# Independent Reserve Audit Ryder Scott July 1, 2007

ESTIMATED FUTURE RESERVES AND INCOME ATTRIBUTABLE TO TERMS OF THE PRODUCTION SHARING AGREEMENT FOR THE CHINAREVSKOYE FIELD BETWEEN THE REPUBLIC OF KAZAKHSTAN AND ZHAIKMUNALLLP



Independent reserve audit report as of July 1,2007

# **COMPETENT PERSON'S REPORT**

ON

# **ZHAIKMUNAI LP**

Estimated
Future Reserves and Income
Attributable to the Terms of the
Production Sharing Agreement for the

# **CHINAREVSKOYE FIELD**

Between

THE REPUBLIC of KAZAKHSTAN

And

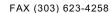
**ZHAIKMUNAI LLP** 

AS OF JULY 1, 2007

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October 30, 2007

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Attn: Mr. Mark Martin

# Gentlemen:

At the request Zhaikmunai LP (the "Issuer"), we have prepared a Competent Person's Report ("CPR") which contains an estimate of the proven, probable, and possible hydrocarbon reserves, future production and income of the proven and probable hydrocarbon reserves attributable to the terms of the Production Sharing Agreement ("PSA") for the Chinarevskoye Field between the Republic of Kazakhstan and Zhaikmunai LLP (the "Company") as of July 1, 2007. This CPR is required for the purposes of a prospectus that is being prepared in relation to the proposed initial public offering of securities of the Issuer ("the Offering"), which shall be submitted to the United Kingdom Listing Authority ("UKLA") and in the preliminary prospectus and the final prospectus relating to such Offering. Finally, we have also prepared an estimate of the recoverable resource potential of four structures in the Licence area. The Chinarevskoye Field is located in the Republic of Kazakhstan. The income data were estimated using the Issuer's Corporate price policy.

As a result of both economic and political forces, there is significant uncertainty regarding the forecasting of future hydrocarbon prices. The recoverable reserves and the income attributable thereto have a direct relationship to the hydrocarbon prices actually received; therefore, volumes of reserves actually recovered and amounts of income actually received may differ significantly from the estimated quantities presented in this report. The results of this study are summarized below.

# Zhaikmunai LLP

Estimated Future Reserves and Income Attributable to the Terms of the Production Sharing Agreement Between the Republic of Kazakhstan and Zhaikmunai LLP As of July 1, 2007

	Proved				
	Deve	eloped		Total	
	Producing	Non-Producing	Undeveloped	Proved	
Net Remaining Reserves					
Oil/Condensate – Barrels	8,258,719	5,990,539	34,669,253	48,918,511	
Plant Products – Barrels	1,191,703	1,658,169	14,766,258	17,616,130	
Gas – MMCF	12,785	21,013	239,976	273,774	
Income Data M\$					
Future Gross Revenue	\$480,520	\$387,911	\$2,558,178	\$3,426,609	
Deductions	<u>163,316</u>	<u>131,767</u>	<u>975,327</u>	<u>1,270,412</u>	
Future Net Income (FNI)	\$317,204	\$256,144	\$1,582,851	\$2,156,197	
Discounted FNI @ 10%	\$189,653	\$156,902	\$800,481	\$1,147,036	

# Zhaikmunai LLP

Estimated Future Reserves and Income Attributable to the Terms of the Production Sharing Agreement Between the Republic of Kazakhstan and Zhaikmunai LLP As of July 1, 2007

		Probable	
	Non-Producing	Undeveloped	Total Probable
Net Remaining Reserves			
Oil/Condensate – Barrels	31,637,186	58,254,128	89,891,314
Plant Products – Barrels	1,404,144	30,113,651	31,517,795
Gas – MMCF	15,062	525,290	540,352
Income Data M\$			
Future Gross Revenue	\$1,586,015	\$4,653,412	\$6,239,426
Deductions	<u>485,635</u>	<u>1,723,045</u>	<u>2,208,680</u>
Future Net Income (FNI)	\$1,100,380	\$2,930,367	\$4,030,746
Discounted FNI @ 10%	\$439,385	\$1,326,645	\$1,766,030

### Zhaikmunai LLP

Estimated Future Reserves and Income Attributable to the Terms of the Production Sharing Agreement Between the Republic of Kazakhstan and Zhaikmunai LLP As of July 1, 2007

	Proved + Probable				
	Deve	eloped		Total	
	Producing	Non-Producing	Undeveloped	Proved + Probable	
Net Remaining Reserves					
Oil/Condensate – Barrels	8,258,719	37,627,725	92,923,381	138,809,825	
Plant Products – Barrels	1,191,703	3,062,313	44,879,909	49,133,925	
Gas – MMCF	12,785	36,075	765,266	814,126	
Income Data M\$					
Future Gross Revenue	\$480,520	\$1,973,926	\$7,211,590	\$9,666,035	
Deductions	<u>163,316</u>	<u>617,403</u>	<u>2,698,374</u>	<u>3,479,092</u>	
Future Net Income (FNI)	\$317,204	\$1,356,523	\$4,513,216	\$6,186,943	
Discounted FNI @ 10%	\$189,653	\$596,287	\$2,127,126	\$2,913,065	

The following tables present the total gross reserves before the terms of the PSA expected from the Chinarevskoye Field from July 1, 2007 through the end of the Licence term.

# Chinarevskoye Field Estimated Gross Reserves As of July 1, 2007

		Proved				
	Dev	eloped		Total		
	Producing	Non-Producing	Undeveloped	Proved		
Oil/Condensate – Barrels	9,302,483	6,768,071	40,253,595	56,324,149		
Plant Products – Barrels	1,376,471	1,914,021	17,219,937	20,510,429		
Gas – MMCF (after shrink)	22,091	26,439	288,047	336,577		
NI 1 47 574 NANA C'			0007.0000.1.1			

Note: 17,571 MMcf is the total gross gas production volume during 2007-2008 to be used as fuel in the field operations or flared.

# Chinarevskoye Field Estimated Gross Reserves As of July 1, 2007

	Probable					
	Deve	eloped		Total		
	Producing	Non-Producing	Undeveloped	Probable		
Oil/Condensate – Barrels	0	36,740,001	68,045,819	104,785,820		
Plant Products – Barrels	0	1,631,351	35,222,816	36,854,167		
Gas – MMCF (after shrink)	0	17,587	615,400	632,987		
			0007.0000.1			

Note: 725 MMcf is the total gross gas production volume during 2007-2008 to be used as fuel in the field operations or flared.

# Chinarevskoye Field Estimated Gross Reserves As of July 1, 2007

Proved + Probable

	110104 11004010					
	Dev	eloped		Total		
	Producing	Non-Producing	Undeveloped	Proved + Probable		
Oil/Condensate – Barrels	9,302,483	43,508,072	108,299,414	161,109,969		
Plant Products – Barrels	1,376,471	3,545,372	52,442,753	57,364,596		
Gas – MMCF (after shrink)	22,091	44,026	903,447	969,564		

Note: 18,296 MMcf is the total gross gas production volume during 2007-2008 to be used as fuel in the field operations or flared.

Liquid hydrocarbons are expressed in standard 42 gallon barrels. All gas volumes are sales gas expressed in millions of cubic feet (MMCF).

The future gross revenue is after the deduction of royalties due to the Republic of Kazakhstan under the Production Sharing Agreement. The deductions comprise the normal direct costs of operating the wells, recompletion costs, drilling and completion costs, gas processing plant, other infrastructure costs, production bonus payments and abandonment costs. The future net income is before the deduction of income taxes by the Republic of Kazakhstan and general administrative overhead, and has not been adjusted for outstanding loans that may exist nor does it include any adjustment for cash on hand or undistributed income. Liquid hydrocarbon reserves account for approximately 85 percent and gas reserves account for the remaining 15 percent of total future gross revenue from proved reserves.

The discounted future net income shown above was calculated using a discount rate of 10 percent per annum compounded monthly. Future net income was discounted at four other discount rates which were also compounded monthly. These results are shown on each estimated projection of future production and income presented in a later section of this report and in summary form as follows.

Discounted Future Net Income \$M As of July 1, 2007

Discount Rate Percent	Total Proved	Total Probable	Total Proved and Probable
12	\$1,023,160	\$1,512,053	\$2,535,213
15	\$867,028	\$1,202,491	\$2,069,519
20	\$666,696	\$825,785	\$1,492,481
25	\$519,494	\$567,127	\$1,086,621

The results shown above are presented for your information and should not be construed as our estimate of fair market value.

# Price Sensitivity Cases

The sensitivity of the future net income and future net income discounted at 10 percent to variations of the base price forecast was evaluated and are summarized in the following tables. The base forecast for oil was \$65.00 per barrel for 2007, \$60.50 per barrel for 2008 and \$50.00 per barrel thereafter. The long term value (2009 and thereafter) for each case is shown in parenthesis.

Total Proved
As of July 1, 2007

	As of July 1, 2007	
Price Variance	Future Net Income M\$	Future Net Income M\$ Discounted @10%
+50% (\$75) +40% (\$70) +30% (\$65) +20% (\$60) +10% (\$55) -10% (\$45) -20% (\$40)	\$3,816,693 \$3,479,376 \$3,142,107 \$2,821,108 \$2,511,053 \$1,824,747 \$1,492,354	\$2,102,556 \$1,907,801 \$1,713,070 \$1,529,512 \$1,352,623 \$955,772 \$763,969
	Total Probable As of July 1, 2007	
Price Variance	Future Net Income M\$	Future Net Income M\$ Discounted @10%
+50% (\$75) +40% (\$70) +30% (\$65) +20% (\$60) +10% (\$55) -10% (\$45) -20% (\$40)	\$7,072,842 \$6,456,984 \$5,841,078 \$5,248,390 \$4,641,283 \$3,422,751 \$2,815,340	\$3,220,261 \$2,924,930 \$2,629,575 \$2,348,211 \$2,057,953 \$1,474,936 \$1,184,043
	Total Proved & Probab As of July 1, 2007	ble
Price Variance	Future Net Income M\$	Future Net Income M\$ Discounted @10%
+50% (\$75) +40% (\$70) +30% (\$65) +20% (\$60) +10% (\$55) -10% (\$45) -20% (\$40)	\$10,889,535 \$9,936,361 \$8,983,185 \$8,069,498 \$7,152,338 \$5,247,497 \$4,307,696	5,322,817 \$4,832,731 \$4,342,646 \$3,877,723 \$3,410,576 \$2,430,708 \$1,948,013

# Reserves and Resources Included in This Report

The <u>proved reserves</u> included herein conform to the 2007 Petroleum Resource Management System approved by the Society of Petroleum Engineers (SPE), the World Petroleum Council (WPC). The American Association of Petroleum Geologists (AAPG) and the Society of Petroleum Evaluation Engineers (SPEE). The <u>probable reserves</u> included herein conform to definitions of probable reserves approved by the SPE/WPC/AAPG/SPEE using the deterministic methodology and the <u>possible reserves</u> included herein conform to definitions of possible reserves approved by the SPE/WPCAAPG/SPEE using deterministic methodology. The definitions of proved, probable and possible reserves and resources are as follows:

**Proved Reserves** are those quantities of hydrocarbons, which, by analysis of geoscience and engineering data, can be estimated with reasonable certainty to be commercially recoverable, from a given date forward, from known reservoirs and under defined economic conditions, operating methods, and government regulations. If deterministic methods are used, the term reasonable certainty is intended to express a high degree of confidence that the quantities will be recovered. If probabilistic methods are used, there should be at least a 90% probability that the quantities actually recovered will equal or exceed the estimate. Proved reserves can be categorized as developed or undeveloped. Reserves status categories define the development and producing status of wells and reservoirs.

# **Developed Reserves**

Developed reserves are expected to be recovered from existing wells including reserves behind pipe. Improved recovery reserves are considered developed only after the necessary equipment has been installed, or when the costs to do so are relatively minor. Developed reserves may be subcategorized as producing or non-producing.

### Producing

Reserves sub-categorized as producing are expected to be recovered from completion intervals which are open and producing at the time of the estimate. Improved recovery reserves are considered producing only after the improved recovery project is in operation.

### Non-Producing

Reserves sub-categorized as non-producing include shut-in and behind pipe reserves. Shut-in reserves are expected to be recovered from (1) completion intervals which are open at the time of the estimate but which have not started producing, (2) wells which were shut-in awaiting pipeline connections or as a result of a market interruption, or (3) wells not capable of production for mechanical reasons. Behind pipe reserves are expected to be recovered from zones in existing wells, which will require additional completion work or future recompletion prior to the start of production.

### **Undeveloped Reserves**

Undeveloped reserves are expected to be recovered: (1) from new wells on undrilled acreage, (2) from deepening existing wells to a different reservoir, or (3) where a relatively large expenditure is required to (a) recomplete an existing well or (b) install production or transportation facilities for primary or improved recovery projects.

**Probable Reserves** are those additional reserves which analysis of geoscience and engineering data indicate are less likely to be recovered than Proved Reserves but more certain to be recovered

than Possible Reserves. It is equally likely that actual remaining quantities recovered will be greater than or less than the sum of the estimated Proved plus Probable Reserves (2P). In this context, when probabilistic methods are used, there should be at least a 50% probability that the actual quantities recovered will equal or exceed the 2P estimate.

**Possible Reserves** are those additional reserves which analysis of geoscience and engineering data suggest are less likely to be recoverable than Probable Reserves. The total quantities ultimately recovered from the project have a low probability to exceed the sum of Proved plus Probable plus Possible (3P) Reserves, which is equivalent to the high estimate scenario. In this context, when probabilistic methods are used, there should be at least a 10% probability that the actual quantities recovered will equal or exceed the 3P estimate.

Based on additional data and updated interpretations that indicate increased certainty, portions of Possible and Probable Reserves may be re-categorized as Probable and Proved Reserves.

Uncertainty in **Resource Estimates** is best communicated by reporting a range of potential results. However, if it is required to report a single representative result, the "best estimate" is considered the most realistic assessment of recoverable quantities. It is generally considered to represent the sum of Proved and Probable estimates (2P) when using the deterministic scenario or the probabilistic assessment methods. It should be noted that under the deterministic incremental (risk-based) approach, discrete estimates are made for each category, and they should not be aggregated without due consideration of their associated risk.

Undiscovered hydrocarbons initially-in-place is that quantity of hydrocarbons estimated, as of a given date, to be contained within accumulations yet to be discovered.

**Prospective Resources** are those quantities of hydrocarbons estimated, as of a given date, to be potentially recoverable from undiscovered accumulations by application of future development projects. Prospective Resources have both an associated chance of discovery and a chance of development. Prospective Resources are further subdivided in accordance with the level of certainty associated with recoverable estimates assuming their discovery and development and may be subclassified based on project maturity.

The proved and probable reserves and income quantities attributable to the different reserve classifications that are included herein have not been adjusted to reflect the varying degrees of risk associated with them and thus are not comparable. Possible reserves and prospective resources reserves have been included in this report for completeness; however, no economic value has been evaluated or included in this report.

Because of the direct relationship between volumes of proved undeveloped reserves and development plans, we include in the proved undeveloped category only reserves assigned to undeveloped locations that we have been assured will definitely be drilled.

### Estimates of Reserves

In general, the reserves included herein were estimated by performance methods or the volumetric method; however, other methods were used in certain cases where characteristics of the data indicated such other methods were more appropriate in our opinion. The reserves estimated by the performance method utilized extrapolations of various historical data in those cases where such data were definitive. This typically is the analysis of the change in production rates and production fluids ratios versus time and versus cumulative production as reservoir fluids are withdrawn providing valuable information to predict ultimate recoverable quantities. Reserves were estimated by the volumetric method in those cases where there were inadequate historical performance data to establish a definitive trend or where the use of production performance data as a basis for the reserve estimates was considered to be inappropriate. The volumetric method uses a geoscience description of the reservoir rock volume, the rock properties along with the reservoir fluid properties to calculate hydrocarbons in-place. Given estimates of the hydrocarbons in-place, that portion that can be recovered by a defined set of wells and operating conditions can be estimated based on analog field or well performance and/or simulation studies using the available reservoir information.

The reserves included in this report are estimates only and should not be construed as being exact quantities. They may or may not be actually recovered, and if recovered, the revenues therefrom and the actual costs related thereto could be more or less than the estimated amounts. Moreover, estimates of reserves may increase or decrease as a result of future operations.

### **Future Production Rates**

Initial production rates are based on the current producing rates for those wells now on production. Test data were used to estimate the anticipated initial production rates for those wells or locations which are not currently producing. If no production decline trend has been established, future production rates were held constant, or adjusted for market conditions where appropriate, until a decline in ability to produce was anticipated. An estimated rate of decline was then applied to depletion of the reserves. If a decline trend has been established, this trend was used as the basis for estimating future production rates. For reserves not yet on production, sales were estimated to commence at an anticipated date furnished by Zhaikmunai LLP.

The future production rates from wells now on production may be more or less than estimated because of changes in marketing conditions. Wells or locations which are not currently producing may start producing earlier or later than anticipated in our estimates of their future production rates.

### Hydrocarbon Prices

The following hydrocarbon prices were provided by the Issuer and used in this report.

Future prices for oil and condensate were assumed to be \$65.00 per barrel for 2007, \$60.50 per barrel for 2008, \$50.00 per barrel for 2009 and thereafter.

Future prices for plant products were assumed to be to be \$41.00 per barrel for 2007, \$36.00 per barrel for 2008, \$30.00 per barrel for 2009 and thereafter.

The future gas price was assumed to be \$1.982 per thousand cubic feet (MCF) for the life of the properties.

Costs

Operating costs were based on information supplied by Zhaikmunai LLP. This information was based on current costs in the field and data from operations of other similar fields and feasibility studies carried out by independent Kazakh institutes. Operating costs were on both a fixed and variable basis and in our opinion represent the expected increased costs as production increased. They also include salary costs and adjustments to salary costs based on the number employees as well as a yearly salary increase until 2017.

Transportation costs of \$6.58/bbl for oil/condensate and \$7.90/bbl LPG ("plant products" or "LPG") were supplied by Zhaikmunai.

Development costs were supplied by Zhaikmunai LLP. Costs for drilling and completion of future wells is based on actual costs of similar wells. The costs for infrastructure were based on current estimates and/or the actual costs of similar projects. Development costs include costs associated with well drilling and completion, gas and oil pipeline construction, other infrastructure costs, costs for oil treatment facilities, gas processing plant, LPG terminal, LPG trucks for transportation, costs for camp construction, water injection and power generation, as well as facility and well abandonment costs. The development costs also includes commissioning, management costs, insurances and contingencies.

# Licence Description

# Summary

The Company holds an interest in certain oil and gas properties located in the Chinarevskoye Field, Republic of Kazakhstan. The Company entered into a Licence and Production Sharing Agreement ("PSA") with the Republic of Kazakhstan in May 1997 and October 1997 respectively. The PSA sets forth parameters for the exploration and development of the field and the fees, profit oil sharing, and tax liabilities payable to the Republic of Kazakhstan.

Chinarevskoye is a multi-formation field. There are several hydrocarbon accumulations in different strata in the pre-salt section. The presence of seven reservoir intervals in the pre-salt formations was proven by well P9, a wildcat well drilled in 1989. Based on the results of this well and of a 2-D seismic survey exploration well 4 was drilled in 1991, which discovered a gas-condensate accumulation in the Middle Devonian Biski horizon at a depth of 5,150m. Well 10, drilled in 1992 confirmed the existence of a gas-condensate accumulation in the Biski horizon and tested gas-condensate in the overlying Afoninski horizon and an oil accumulation in the Lower Carboniferous Tournaisian horizon. Current data suggests that a separate gas-condensate layer could be present in the uppermost part of the Tournaisian reservoir.

The Tournaisian was proven to be gas-condensate bearing in the southern accumulation by well 23 and oil bearing in the western area by well 29. Wells 22, 28 and 54 successfully tested oil in the Middle Devonian Givetian reservoirs. The Permian was tested successfully by well 20 in the Filipovski horizon and in well 29 in the Asselski horizon. Both horizons are oil bearing.

As a result of exploration work, the field was divided into three sub-sections: the North-Eastern, Southern part and Western parts. The exploration status in each of these areas is different. In the North-Eastern part, the appraisal of the Tournaisian reservoir has been finalized and the five and a half year test production period came to an end in December 2006. A development plan has been prepared and submitted to State authorities for approval for this part of the field. The approval of the development plan was obtained in November 2006 from CCD (Republic of Kazakhstan Central Committee for Development ("ZKR")). The daily production from the Tournaisian in the North-Eastern accumulation as

of July 1, 2007 amounted to 3,830 bbl/d. Current production (24.10.2007) is 5,034 bbl/d. Additionally oil is being produced from production tests of the Givetian Mullinski reservoir. The production varies depending on the number of wells tested at the same time. In 2007 the production ranges between 170 bbl/d and 1500 bbl/d.

The appraisal of the Biski & Afoninski horizons in the North-Eastern area was completed in 2006 as Well 28 was proven to be gas-condensate bearing in the Afoninski reservoir. The Biski horizon tested the zone of the gas-water contact and proved previous estimates at a depth of between 5,023m and 5,065m. The Republic of Kazakhstan State Committee on Reserves (GKZ) approved the reserves for the Biski & Afoninski reservoir on June 15, 2006. As a next step, the development plan for the North-Eastern area of the Biski & Afoninski reservoirs is being prepared and will be submitted to State Authorities for approval mid of next year.

In the Southern area well 23 found the gas-water contact in the Biski horizon at 4,890m. Appraisal of the Biski & Afoninski reservoirs in a direction up-dip of well 23 will be performed by two new appraisal wells, which will investigate the Tournaisian reservoirs in the Southern area during 2007 and 2008. The first well, well 31, is currently under test operations and the second well, well 32 is under drilling. In the western area two appraisal wells (well 27 and well 33) are being drilled in order to appraise the Tournaisan reservoir and the extension of the Biski & Afoninski reservoir, which has proved to be hydrocarbon (HC) bearing towards the West. (Well 4).

Significant upside potential is expected for the Givetian horizon. The Givetian was successfully tested by wells 22, 28, 30 and 54. There are three prospective horizons within the Frasnian-Givetian strata. According to the commitments of the second extended exploration period under the PSA two exploration wells must test the Givetian before mid-2008. Well 29 was the first well to test the Givetian in order to fulfill part of this commitment. The second exploration well – well 28 – was drilled in August 2006 and carried out a long term production test in the Givetian Ardatovski horizon.

The Permian reservoir has been successfully tested by a MDT'1 in well 29 and open-hole tests in wells P9, 20 and 31. In well 20 the Permian tested oil and gas from a 30m interval at 2,686m. There are high expectations of upside potential from the Lower Permian formation due to the fact that the logs from all other wells showed similar hydrocarbon saturations to those in well 20.

The remaining exploration potential is linked to several mapped prospects in the Tournaisian, Biski & Afoninski and Givetian reservoirs.

Significant new information was acquired by the Company since mid-2006, including new processing and interpretation of 3D seismic, drilling of eight new exploration and production wells and production of more than 200,000 cubic meters of crude oil and condensate.

The utilization of associated gas and gas-condensate is based on a gas utilization concept prepared by the NIPIneftegaz Institute in the Spring of 2006, which was presented to the Kazakh Committee of Gas Utilization in June 2006. This plan envisions an on-site gas processing facility with the resulting dry gas being shipped to export markets through the Company's own gas pipeline connected to the Orenburg-Novopskov gas pipeline. A protocol of intent was signed with Intergaz to agree on technical specifications for a gas pipeline connection. Negotiations for the sale of the dry gas output have been initiated with KazRosGaz- a joint venture between the national Kazakh oil and gas company KazMunaiGaz and Gazprom.

The plant products that will be produced are expected to be transported by truck to a rail-loading terminal close to the city of Uralsk.

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<sup>&</sup>lt;sup>1</sup> MDT - this is a Modular Formation Dynamics Tester for pressure measurement and high-quality fluid sampling.

Crude oil and condensate<sup>2</sup> is expected to be processed on-site in an oil treatment unit and shipped through the Company's own oil pipeline from the field site to the city of Uralsk. This oil pipeline, which is currently under construction, will be connected to the Company's future rail loading terminal for further export by railcar and to an oil pipeline running from Uralsk to Samara for pipeline export.

The location of the Company's own rail-loading terminal has been identified and agreed with the national railway company Temir Zholy and the construction of the terminal has started and is expected to be finalized together with the oil pipeline by the end of the first guarter of 2008.

The crude oil quality is high with a gravity of 41 API degrees (a density of 820 kg/m³) and the condensate gravity ranges between 47.5-54.5 API degrees (the density of the condensate falls between 760 kg/m³ and 790 kg/m³).

# Geographic Location, Natural Environment and Infrastructure

The Chinarevskoye Field is located in northwestern Kazakhstan on the border of the Republic of Kazakhstan (the Republic) and the Russian Federation as shown in below.



<sup>&</sup>lt;sup>2</sup> Currently being transported from the field to the rail terminal by truck.

Figure 1: Regional Location Map

The Chinarevskoye oil and gas condensate field is part of the Chinarevskoye Licence block located in the region of west Kazakhstan (Batyk Kazakhstan) near the border between Kazakhstan and the Russian Federation. The west Kazakhstan administrative center Uralsk (Oral) is about 80 km southwest of the Chinarevskoye field. The nearest villages are Rozhkovo, Chesnokovo, Chebotariovo, Balbanov and Chinarev.

Surface features are hilled plain, abundant with ravines, hollows and brooks. The flora is typical for dry steppe including feather grass and wormwood. There are no woods but the field is in the vicinity of the Ural river. The average temperature ranges -14.2°C to -14.4°C in January and +22°C to +23°C in July, where the lowest is -42°C in winter, and the highest is +40°C in summer. Annual precipitation ranges between 300 and 350 mm. The maximum freezing depth of soil is 1.5m. Winter road conditions last from early November till early April and the snow can be firm for as long as 130 days. Wind speed is 5 to 9m/s in February and 3 to 6 m/s in August-September. Regular changes of wind direction occur in spring, mainly northwards.

The existing nearby infrastructure allows for an efficient development program for the Chinarevskoye Field. As shown on the infrastructure map the Orenburg gas pipeline crosses the Licence area, the Atyrau-Samara oil pipeline is located 100 kilometers to the west, a railway is located 55 kilometers to the south and a large oil and gas refinery has been constructed 75 kilometers to the southeast at the Karachaganak Field to process unstable condensate.



Figure 2: Local infrastructure map

The Licence granting the right to use the subsurface in the Republic of Kazakhstan for the exploration and production of hydrocarbons in the Chinarevskoye oil and gas condensate field was issued to the

Company in May 26, 1997 based on the Licence Series MG #253-D(oil) by the Government of the Republic of Kazakhstan.

The Licence encompasses the following blocks:

- XII-12-D (partial), E (partial, F (partial)
- XIII-12-A (partial), B (partial), C (partial), F (partial) and
- XIII-13-A (partial)

The duration of the original license was for a period of 30 years. First five years of exploration followed by a 25 years production period. The exploration period comprised two phases, each of which had an option for extension. The production phase starts for each accumulation depending on the date at which development plan for such accumulation enters into force.

The contract is a combined Licence and Production Sharing Agreement with the Republic of Kazakhstan. It includes a "Minimum Work Program" with a "minimum capital expenditure requirement.

The original Minimum Work Program foresaw the drilling of four exploration wells during the first exploration stage and nine exploration wells during the second exploration phase.

Currently the second exploration phase is in its second extension period. The second phase started in November 2001 and was extended twice and now runs until May 2008. During this second phase and its extension periods a total of nine additional wells were required to be drilled to fulfill the Minimum Work Program with a total capital investment of US\$100.5 million (just for the second phase, including the two extension phases). Of these nine wells, two wells must be drilled in the Givetian formation, four new exploration wells and three future production wells must be drilled in the Tournaisian formation. In addition, production tests of the Permian reservoirs should be performed in four wells (while drilling exploration or future production wells).

The overall Minimum Work Program capital expenditure requirement for both exploration phases amounts to US\$125.5 million.

To date, four commitment wells relating to the first exploration phase have been drilled (wells 10, 12, 13, 24) and all the 9 commitment wells of the second phase have been finalized (wells 20, 22, 23, 28, 29, 50, 53, 56 and 30), of which two wells (well 29 and 30) reached the Givetian reservoir. Wells 28, 29 and 30 are currently undergoing test operations whereas wells 20, 22, 50, 53 and 56 are in production and well 29 is awaiting a decision to be completed as water injection well.

Four additional exploration wells (wells 27, 31, 32 and 33) will have been drilled before the end of 2007. All four wells have been spudded and well 31 is currently under test operations. The additional exploration wells have been decided in order to completely assess the hydrocarbon bearing potential of the whole licence area before end of exploration phase in May 2008.

Besides the PSA, the Company performs its current operations under two main permits with the Government:

- The Exploration Contract and
- The Production Permit for North-Eastern area of the Tournaisian reservoir (including a permit for gas flaring)

The Exploration Contract is to be completed by May 2008 and the Production Permit for the North-Eastern part of Tournaisian formation is valid until December 31, 2031.

The main commitments under the current **Exploration Contract** are as follows:

- Acquisition of a 3-D seismic survey
- Drilling of 11 exploration wells of which three wells can be future production wells under the Test Production project for the North-Eastern area of the Tournaisian reservoir (which was in place until end of year 2006)
- Drilling of water disposal well R1
- Construction of the first stage of an Oil Treatment unit
- Construction of an oil pipeline from the field site to Uralsk

Subsequent to the extension of the second exploration phase until May 2008 the following commitments were added:

- Drilling of two additional exploration wells to the Givetian formation
- Four tests of the Permian formation

### Outstanding commitment work:

- One test in the Permian formation which will be performed in upcoming production wells
- o Commissioning of oil pipeline before end of year 2007

The main original commitments under the **development plan** are as follows:

- o Drilling of 32 additional production and water injection wells
- o Full gas utilization of associated gas by end of year 2008
- Start of water injection in year 2007 to support reservoir pressure and to achieve an oil recovery of at least 30.8% by December 31, 2031, when the Production Permit terminates.
- The approved development plan for the Tournaisian North accumulation is under implementation. However, the development plan is currently under revision. The revised development plan will include the drilling of horizontal wells according to the results of the dynamic modeling of the Tournaisian North reservoir.

### Geology

The Chinarevskoye field is located on the Northern margin of the Pre-Caspian Basin. The Pre-Caspian Basin covers an area of approximately 550,000 km² and represents a huge, deeply subsided portion of the Russian Platform. The basin is entirely bounded by deep-seated regional faults upon which most of the basin's Paleozoic and Mesozoic subsidence has taken place. The entire southern part of the basin lies along a Hercynian-aged suture zone. The Chinarevskoye field area experienced a similar tectonic history of basement-related block faulting throughout the Paleozoic period. A ring of uplifts fringing the basin margin were positive features for much of the geological history. The Chinarevskoye Field discovery lies within this uplift zone.

These uplift features are believed to be long-lived structural highs. During the Paleozoic Age, sedimentation on these highs was dominated by shelf carbonates with reef development on the margins. The deeper interblock areas predominantly received shales and deepwater carbonates. Much of the structural setting of the Carboniferous and Devonian intervals is therefore represented by broad, gentle structures with minor or no identifiable faulting. By the Middle Permian Age, the basin became partially closed, and restricted marine influx allowed for the accumulation of a thick Kungurian (Lower Permian) evaporite section.

The Frasnian unconformity represents the main event in the pre-salt section. Below this unconformity the prevalent trapping mechanism is tectonic (tilted fault blocks). Above the unconformity, the traps are mainly of a lithological type.

Two main intervals of Devonian and Carboniferous source rock generated hydrocarbons mainly during and after the accumulation of the Kungurian evaporites. These evaporites present a regional seal which divides the pre-salt hydrocarbon system from the post-salt.

All hydrocarbon bearing reservoirs in the Chinarevskoye area belong to different strata of the pre-salt section. This also applies to all adjacent fields. Most of these fields also have two or more independent reservoir horizons.

The lithological and stratigraphic sections of the Chinarevskoye Field are represented by crystalline basement rocks and sedimentary formations.

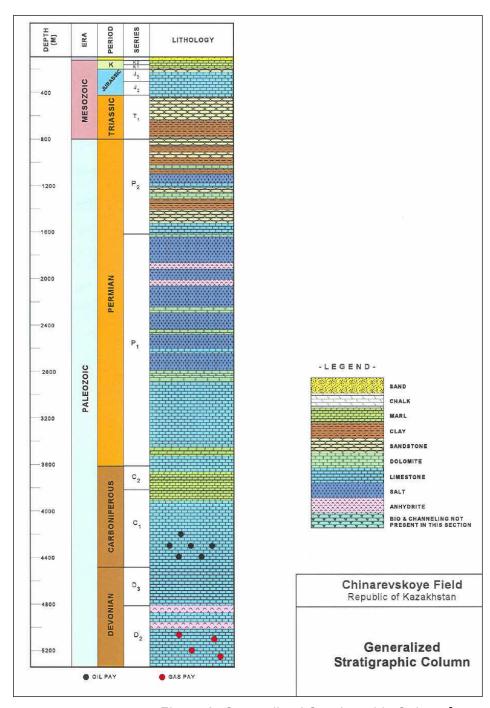


Figure 3: Generalized Stratigraphic Column<sup>3</sup>

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<sup>&</sup>lt;sup>3</sup> NSA report 2003: Estimate of Reserves and Future Revenues from the Zhaikmunai LLP Interest in Certain Oil and Gas Properties located in the Chinarevskoye Field, Republic of Kazakhstan as of September 30, 2003; Netherland, Sewell and Associates, Inc (NSA)

The Crystalline basement of the Chinarevskoye uplift was identified by three wells: P-9, 10, and 4. The age of the basement rocks is Proterozoic and they are represented by fallow-pink, large-grained granites. The top of the basement is associated with the "F" reflector (figure below)

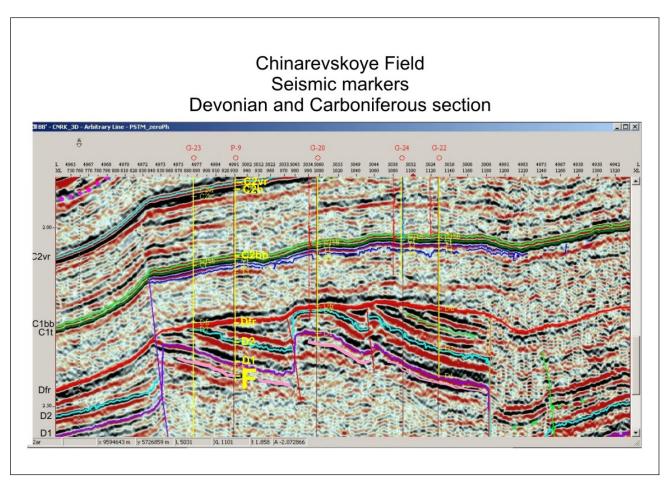


Figure 4: Seismic markers of Devonian/Carboniferous section

Devonian system sediments in the area are represented by lower, middle and upper sections.

The lower section is represented by unequal interbedding of gravel-sandstones, greenish-grey sandstones and dark-cherry argillites. The thickness of the Lower Devonian sediment is between 45m and 80m. The top of the Lower Devonian sediments and the base of the Middle Devonian Biski sediments are associated with the "D1" reflector.

The middle section is represented by Eifelian and Givetian stages. The Eifelian stage is represented by the Biski and Afoninski horizons.

The Biski horizon is characterized by interbedding of dolomitized, bio-homogeneous limestones with biomorphic, detrital, dolomitized limestones and dark-brown, biomorphic, detrital dolomites unequally saturated with bituminous substance. In well 4 there are bioherm limestone differences. The thickness of Biski sediments varies from 110m to 240m. The top of the Biski sediments is associated with the D2bs reflector.

The Afoninski horizon is, lithologically, mainly represented by carbonate rocks. The upper part of this horizon is represented by the interbedding of clayey bituminous limestones with marls and argillites. The color of the rocks is dark, highly bituminous, and thinly layered with fauna. The thickness of the Afoninski sediments is between 0m and 265m. The top of the Afoninski sediments is associated with the D2af (D2) reflector.

The Givetian stage is lithologically represented by argillites with limey areas. Argillites are thin-plated and dense. The thickness of the Givetian sediments is between 0m and 350m. The top of the Givetian stage is associated with the "D3" (Dfr) reflector.

The Upper section is represented by the Famennian stage sediments. Sediments of the Frasnian stage are absent within the limits of the oil accumulation on account of pre-Famennian erosion.

In Givetian sediments the Famennian stage occurs with some erosion. Lithologically it is represented by grey, dark-grey, biomorphic detrital, dolomitic, slightly bituminous limestone. The thickness of Famennian sediments is between 280m and 385m.

<u>Carboniferous system:</u> Sediments of the Carboniferous stage lie conformably on Devonian rocks and are represented by two sections: Lower and Middle. Sediments of the upper section are absent from the Pre-Asselian erosion.

The Lower section is represented by the Tournaisian, Visean and Serpukhovski stages.

The Tournaisian section is represented by Lower and Upper substages, composed of grey, dark-grey, and over crystallized limestones, with dolomitic and clayey areas. The lithological boundary between substages passes within the limestones and is characterized by a change from clayey plated accumulations into massive detrital accumulations. In the Chinarevskoye area a core was taken from the P-9 well where the Tournaisian is represented by light-grey, dense, massive limestones with single organic remnants. In the Lower part there is a slight smell of hydrogen sulfide. The thickness of Tournaisian sediments varies between 100m and 195 m.

The Visean stage is represented by carbonate sediments, grey, dark-grey, thin, granular, dense sediments and terrigenous sediments - from dark argillites to black ones of the Bobrikovski horizon. They serve along with dense clayey limestones of the Upper part of the Tournaisian stage as a seal for the Tournaisian oil accumulation. The thickness of the horizon amounts to 25-30 m. The top of the Bobrikovski horizon is associated with the "C1bb" reflector. The thickness of Visean sediments is between 325m and 360m.

The Serpukhovian stage is represented by light-grey, biomorphic detrital, foraminiferal-algal limestones with leached and vuggy areas. The thickness of Serpukhovian sediments ranges between 165m and 265m.

The Middle section is defined in the structure of Bashkirian and Moscovian stages.

The Bashkirian stage is represented only by the Lower Bashkirian substage, the overlying sediments being absent as a result of the Pre-Vereyski erosion. It is composed of light-grey, organogenic detrital, oolitic and over-crystallized limestones. The thickness of Bashkirian sediments is between 40m and 100m.

The Moscovian stage is represented within the limits of the oil accumulation only by the Vereyski horizon. The Kashirsko-Myachkovskiy part of the section is absent as a result of Pre-Asselian erosion.

The Vereyski horizon is lithologically represented by dark-grey to black argillites, with a bituminous substance. The top of the Vereyski sediments is associated with the "C2vr" reflector. The thickness of the Vereyski sediments amounts to between 45m and 85 m.

The Vereyski horizon is a regional seal for Lower Bashkirian oil and gas accumulations, as revealed in the zone of Visean-Bashkirian carbonate flange scarp (Daryinskoye, Rostoshenskoye).

<u>Permian System:</u> The Lower part is represented by two types of sediments; the Lower section carbonates in the structure of the Asselian, Sakmarian and Artinskian stages and the Upper section evaporates of the Kungurian stage. The base of the Permian is associated with the "P2" reflector.

Asselian and Artinskian stages are lithologically homogeneous and are represented by limestones and grey dolomites to dark-grey, massive, sturdy dolomites, with organogenic and cloddy areas. The top of the Artinskian stage is associated with the "P1\_10" reflector. The thickness of the Asselian and Artinskian rock series is between of 710m and 870m.

The Kungurian stage is represented by two series: The Lower series sulphate-carbonates of the Filipovski horizon and the Upper series evaporites with sulphate and terrigenous interlayers of the Irenski formation.

Sediments of the Filipovski horizon are represented by anhydrates with dolomite interlayers. The top of sediments of the Filipovski horizon is associated with the "S" reflector. The thickness of Filipovski horizon sediments ranges between 145m and 260m.

Sediments of the Irenski formation are represented by alternative layers of salt and anhydrites. The top of the Irenski formation is associated with the "VI" reflector. The thickness of the Irenski formation is between 805m and 1,235m.

Post salt Paleozoic sediments occur with an unconformity on the Kungurian halogen series and are composed of interbedded series of sand, clayey, carbonate and salt-bearing rocks. The thickness of these sediments amounts is between 800m and 900m.

Mesozoic and Cenozoic strata: Lithologically, they are mainly represented by terrigenous rocks with the interbeds of carbonate rocks in Jurassic and Cretaceous accumulations. The total thickness of Mesozoic-Cenozoic accumulations is between 655m and 795m.

Chinarevskoye Field

# Reservoirs and Hydrocarbon Presence

The Chinarevskoye Field is a multi-formation structure. It has tested hydrocarbons at significant rates from:

- 1. **Lower Permian** horizons at 2,700m to 2,900m, represented by limestones and dolomitic limestones.
- 2. Limestones of the **Lower Carboniferous Tournaisian** formation at about 4,200 m depth with a gross thickness of about 200m.
- 3. **Middle Devonian Givetian** (Mullinski, Ardatovski and Vorobyovski) horizons at about 5,000m depth, represented by sandstones with carbonate cements.
- 4. **Middle Devonian Biski and Afoninski** formations at a depth of approximately 5,000m with a gross thickness of 200m and represented by limestones and dolomitic limestones.

Oil was found in the Lower Permian, Tournaisian and Givetian Mullinski reservoirs. Gas-condensate was found in the Tournaisian and Biski & Afoninski and Givetian Ardatovski reservoirs.

The seal for the Lower Permian reservoirs are anhydrites, argillites and tight carbonate rocks. In the Lower Carboniferous Tournaisian reservoir tight carbonates are locally sealed. The vertical seals for the Middle Devonian Givetian reservoirs are claystones and argillites which belong to different stratigraphic units depending on the Frasnian unconformity. The seal for the Biski-Afoninksi formations are Chernoyarski claystones and argillites. They represent a regional seal. A carbonaceous claystone exists between the Biski and Afoninski horizons which could be a local seal.

The main source rocks are the Chernoyarski claystones. They are represented by deep-marine sediments which contain a Type II kerogen. Directly below the Frasnian unconformity lie the Pashiyski und Kinovski claystones and argillites which were accumulated in former sedimentation troughs and could be present in the Chinarevskoye field area. These rocks also have a good generation potential. Another possible source rock of the Lower Carboniferous and Upper Famennian are the carbonaceous mudstones of the Domanikovskaya formation which occur north of the Chinarevskoye area in the Buzuluk depression.

# Seismic Control – Mapping of Accumulations and Prospects

The Chinarevskoye Licence area is covered by approximately 400 kilometers of 2-D seismic lines and by a 462 km² 3-D seismic survey. There are two primary sets of 2-D seismic data comprising a total of 41 lines. One survey was acquired during 1985 and 1986, and a second survey was conducted from 1989 through 1991. The lines are on a 1-by-1.8 kilometer grid with dip lines running north-northeast to south-southwest and strike lines running west-northwest to east-southeast. Seismic coverage density is 1.33 kilometres per km². The 2-D seismic data was reprocessed, and data quality is fair to very good.

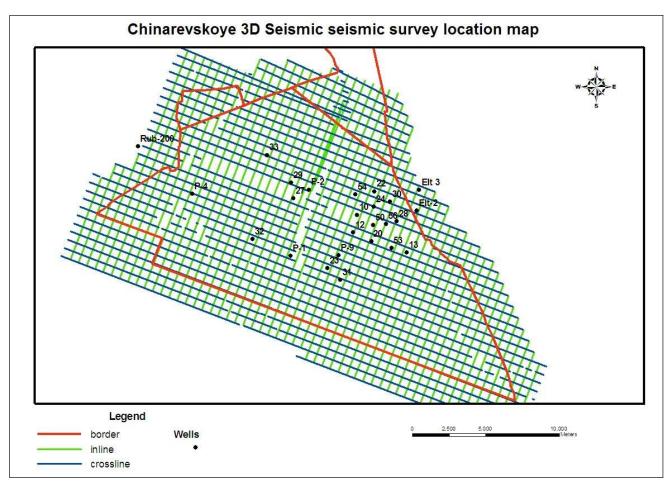


Figure 5: Chinarevskoye 3-D seismic survey location map

The 3-D seismic survey was acquired and processed by GEOTEX (now Azimuth) in 1998, and the data quality is very good. The major mapping horizons are easily correlated, and faults are well defined

Teknica Overseas Ltd. completed a first interpretation of the 3-D seismic survey in year 1999.

This interpretation was reviewed in 2003 by NSAI for their report<sup>4</sup> and extended the structural mapping for volumetric calculations to the Biski and Afoninski levels.

In 2006/2007 a completely new re-processing and interpretation of the 3-D seismic was performed by PGS-RES which took all new well results and production testing into account. Sophisticated processing and interpretation techniques have allowed for the creation of accurate maps of all resources below the Kungurian salt.

<sup>&</sup>lt;sup>4</sup> NSA report 2003: Estimate of Reserves and Future Revenues from the Zhaikmunai LLP Interest in Certain Oil and Gas Properties located in the Chinarevskoye Field, Republic of Kazakhstan as of September 30, 2003; Netherland, Sewell and Associates, Inc (NSA)

As of July 1, 2007 the following accumulations were identified within the Chinarevskoye licence area

# Accumulations: (Hydrocarbons have been proven by well tests)

### Tournaisian reservoir:

- Northern accumulation
- o Southern accumulation (Area well 23&P9)

### Biski and Afoninski reservoirs:

- Well 10 accumulation
- Well 20 accumulation
- Well 4 accumulation

### Givetian reservoir:

### Mullinski horizon

- Area Givetian Mullinski West
- Area Givetian Mullinski Northeast

### Ardatovski horizon

- Area Ardatovski West
- Area well Ardatovski Northeast

# Characteristics of Hydrocarbons

<u>Biski horizon:</u> The content of methane in the separated gas is 77.91%, ethane is 12.34%, propane is 4.94%, butane is 1.62%, C5+ at 0.82%. Content of acid components in gas are: carbonic acid - up to 1.8%, hydrogen sulphide - up to 0.5%, nitrogen - does not exceed 0.2%. The condensate with a density of 760 kg/m3 contains common sulphur of 0.1%, mercaptans - from 0.006 to 0.01%, sulphides - from 0.003 to 0.005%.

Afoninski horizon: The content of methane in gas is 76.99%, ethane 14.33%, propane 3.67%, butane 0.68%, and pentane + the highest at 0.24%. The content of acid components in gas of the Afoninski oil-accumulation is approximately the same as in the Biski oil-accumulation, hydrogen sulphide being absent. In condensate with a density of 775 kg/m3 the content of sulphur does not exceed 0.1%, mercaptan -0.01%, sulphides - from 0.003% to 0.005 %.

<u>Tournaisian horizon:</u> The average oil density is 705 kg/m³ under reservoir conditions. Under surface conditions the density is 822 kg/m³, the sulphur content is 0.01%, mercaptans are 0.015%. The GOR is 195.1  $\text{m}^3/\text{m}^3$ . The content of methane in gas from separation is 60.99%, ethane – 18.14%, propane – 10.3%, butane – 3.55%, C5+ - 1.53%. The H2S content is 1.1mol%. The gas after degasation has an average content of methane - 16.67%, ethane is 27.16, propane is 31.6% butane is 15.57% and C5+ is 6.75%.

Ardatovski horizon: The content of methane in the reservoir fluid is 80.48%, ethane - 7.74%, propane - 3.34%, butane - 1.34%, pentane + higher - 5.57%. Content of acid components in gas are: carbonic acid - 1.11%, hydrogen sulphide - 0.00%, nitrogen - 0.37%. The condensate has a density of 786.6 kg/m3. Sulphur content is 0.01, mercaptans and sulphides content are less than 0.001.

<u>Mullinski horizon:</u> The average oil density is 543 kg/m³ under reservoir conditions and 795 kg/m³ under surface conditions. Mercaptans are 0.001% under surface conditions. The GOR is 550 m³/m³. The content of methane in gas from separation is 72.41%, ethane - 15.69%, propane - 6.61%, butane - 2.14%, C5+ - 0.89%. The H2S content is 0.03mol% The gas from degasation has an average content of methane content - 22.55%, ethane is 27.74, propane is 28.84% butane is 13.82% and C5+ is 5.75%.

# Drilling History, Well Tests and Coring

In well 4 hydrocarbons where discovered in the Biski & Afoninski reservoirs in 1991. The discovery of the Tournaisian reservoir was made in 1992 in well 10. In 2003 well 22 discovered the Givetian accumulation. In 2004 well 20 successfully tested the Lower Permian reservoir. In 2007 well 54 found oil in the Bashkirian formation (well results still being studied).

In the North Eastern part of the Field 4 wells were drilled during the Soviet era (5, 10, 12, 13) and 3 wells were drilled thereafter: 20, 22 and 24. Three wells (10, 12, and 13) which were drilled in Soviet times were reactivated. Wells 12 and 13 were deepened by directional drilling to the main Tournaisian reservoir. Well 28 and well 30 have been drilled in 2006/07 and are still under test production. Wells 50, 53 and 56 have been finalized as production wells and further production wells will be drilled back to back over the coming months and years. By the end of June 2007 a total of 14 wells had reached the Tournaisian reservoir horizon. Wells 20, 22, 24, 50, 53 and 56 are currently in production.

Outside the North-Eastern area a total of 5 wells (P1, P2, P9, 4, 7) were drilled during the Soviet era. All of them were plugged and abandoned due to technical or geological reasons. Amongst them was well 4 which was effectively the "discovery well" for the Chinarevskoye field.

In the Southern block, appraisal well 23 was drilled in 2005 and successfully tested for gas condensate in the Tournaisian in February 2006. The Western part of the Chinarevskoye Field is being explored by well 29, which reached the Tournaisian reservoir in April 2006. The well was also intended to test the prospective Permian horizons. Two down-hole oil samples were taken by Schlumberger MDT producing oil without water. The oil density is 0.814 g/cm and the GOR 300 m³/m³.

As of end of June 2007 a total of 20 wells have been drilled - P1, P2, 4, 5, 7, P9, 10, 12, 13, 20, 22, 23, 24, 28, 29, 30, 50, 53, 54 and 56. Four wells are under drilling operations (wells 31, 32, 33 and 27). Six wells are producing (20, 22, 24, 50, 53, 56), four wells were in test operations (28, 29, 30, 54). Well 10, is temporarily shut down and awaiting workover. Wells 12 and 13 are under workover operations. All other wells have been plugged and abandoned. An overview of the wells drilled in the Chinarevskoye block is given in the Figure below.

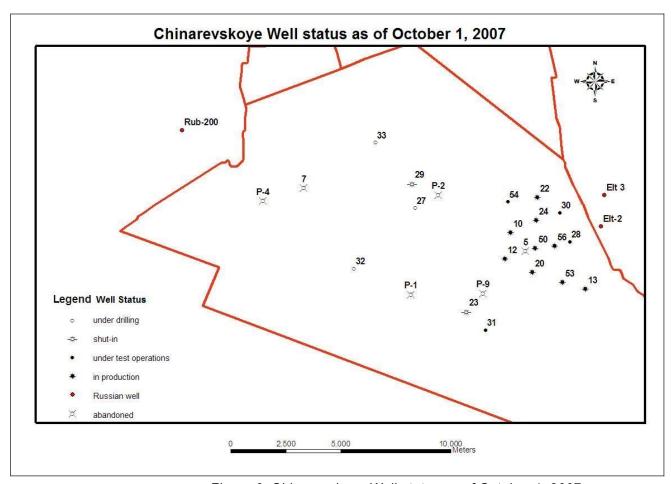


Figure 6: Chinarevskoye Well status as of October 1, 2007

A total of 74 DST and Casing tests have been carried out and 33 of them resulted in a hydrocarbon flow.

# **Production history**

In the North-Eastern area six wells are currently producing from the Tournaisian reservoir. The first production was obtained in 2000 from well 10.

By December 31, 2006, a total of 766,241 m³ (4,819,510 Bbls) of oil had been produced from this area. About 59% of the total production was recovered from well 10. The difference in the production volumes between wells is partly due to technological reasons. The two wells with the highest production from the Tournaisian T2 horizon were wells 10 and 22. These two wells had a successful acid treatment which led to a significant increase in well productivity.

Well 24 is the only well which produces exclusively from the Tournaisian T1 reservoir horizon. By the end of 2005 only a small interval was perforated in this well. Well 20 started production only in December 2005 and is the only well that has not undergone acid treatment. An acid operation will be performed in the second half of 2007 and should significantly increase the well's daily oil production.

In 2006 the upper part of the T1 reservoir horizon in well 24 was perforated and the interval that was formerly producing was isolated. This now isolated interval was previously producing 85 cubic meters of oil per day. The well is currently producing 80 cubic meters of oil per day from the newly perforated

interval. The pressure in this part of the reservoir is 100 atm above the pressure in the lower part of the T1 reservoir. Well 22 was also perforated in the upper section of T1 and the production is about 280-300 m³ per day (1,761-1,887 bbls/day). The pressure in the upper part of the T1 reservoir was in the same range as in well 10.

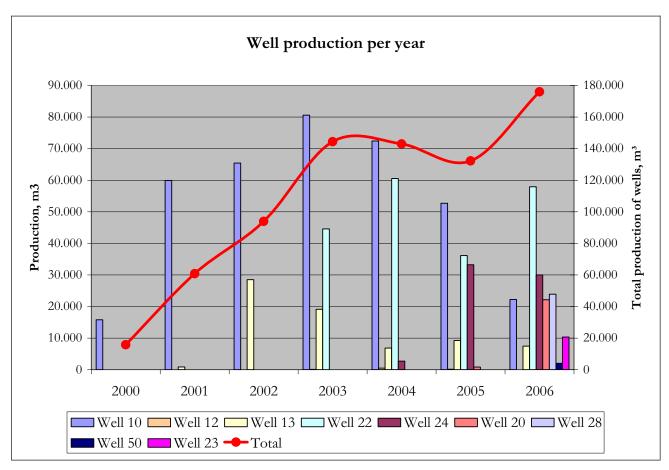


Figure 7: Chinarevskoye Well production per year

Until April 2006 all production was achieved using natural reservoir energy. Eruptive production is possible as long as the bottom hole pressure is higher than 260 atm.

So far, any associated gas that has been produced has been flared. When the future gas processing plant is completed at the end of 2008 and is operational associated gas will be fully utilized.

Acid stimulation was used in order to increase production in wells 10, 13, 22, 50 and 56. Acid stimulation has historically given an increase in production of 1.5 to 2 times the starting quantity. For selective acid treatment as described above the total production from high and low permeable reservoirs can increase up to 3 times. In high quality reservoirs an acid job can double the production rate. In wells with lower reservoir quality the acid treatment can increase production by up to 6 times.

Four drilling rigs are currently operating on the field site. Using four rigs, eight to twelve wells per year can be drilled.

**Expected Production Performance** 

# General Assumptions

The production profiles cover the full license period until December 31, 2032 for all accumulations except the Tournaisian North where production phase ends as of December 31, 2031. The oil production from 2007-2009 will be coming only from wells in the Tournaisian North and from production tests of the other reservoirs. Sales gas and LPG production will start in October 2008 with the commissioning of the gas treatment facility. However, in our calculations the gas treatment facility is set operational as per January 1, 2009. According to Zhaikmunai, water injection starts with a pilot project in the Tournaisian North area in November 2007 and will be expanded in 2008-2010.

For the oil accumulations the LPG and the condensate volumes were calculated based on the composition of the separator gas and the gas from oil degassing. For the gas-condensate accumulations the LPG and condensate volumes were calculated from the gas composition of the gas produced, taking into account the changes in the composition due to the pressure decline of the reservoir.

As we assume in our calculations the gas plant is expected to be operational from January 1, 2009 on, the sales of gas, LPG is expected to start in January 2009 also from the leaner gas-condensate accumulations. There is a small shift in the forecasts between the year of condensate peak production and the peak production of sales gas and plant products, as the condensate saturation of the gas under reservoir conditions is near the dew point pressure. As the reservoir pressure continues to drop during production the amount of condensate in the produced gas stream reduces. Therefore a shift between the peak production of condensate and sales gas occurs.

# Specific Assumptions for Production Profile Modeling

# **Tournaisian North**

- Type of reservoir: carbonates with vuggy and intracrystalline porosity
- Number of layers: 4 independent reservoirs, T1g, T1o, T2 and T3
- The upper layer T1g is a gas condensate layer, the three reservoirs below are oil reservoirs
- Development type: Oil production at early stage with initial artificial gas lift by perforation T1g reservoir, edge waterflooding for pressure support from 2008 on.
- Total wells: 38, including 3 horizontal wells (horizontal section= 1660m), two of them are planned to be used as injectors, one as producer, 7 wells will be used after their completion as injectors, not more than 26 wells will be producing simultaneously from the reservoirs.
- A Secondary to Primary recovery is assumed to be 1 : 1 based on analogous waterflood performance of fields with similar reservoir properties located in the Permian Basin, West Texas, United States.

### **Tournaisian South**

- o Type of reservoir: carbonates with vuggy and intracrystalline porosity
- o Number of layers: 3 independent reservoirs, T1, T2 and T3
- The upper layer T1 is a gas condensate layer, the T2 reservoir below is and oil reservoir, reservoir T3 has not been tested yet
- Development type: Production planned only from the T1 gas condensate layer: Total wells: 14 vertical wells

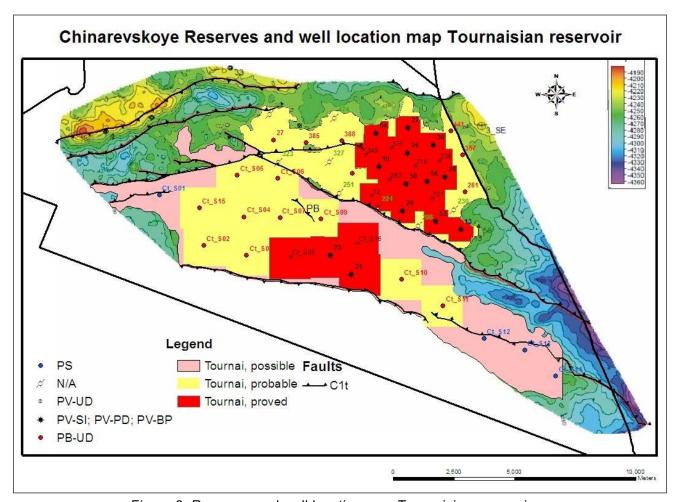


Figure 8: Reserves and well location map Tournaisian reservoir

Table 1: Reservoir parameters Tournaisian reservoirs

WELL	RESERV	/OIR T1		RESER\	/OIR T2		RESER\	/OIR T3	
	NET TO GROSS	PORO- SITY %	THICK- NESS M	NET TO GROSS	PORO- SITY %	THICK- NESS M	NET TO GROSS	PORO- SITY %	THICK- NESS M
9	0.20	4.78	49	0.90	5.13	30.8	0.83	4.44	55.6
10	0.80	7.14	48.8	0.51	5.46	35	0.37	4.39	59.8
12	0.19	3.85	60	0.14	3.65	35.2	0.17	4.85	54.8
13	0.47	4.43	53.3	0.23	5.63	32.9	0.32	3.74	49.8
20	0.83	7.60	49.1	0.73	5.76	32.3	0.57	4.51	58.6
22	0.64	5.38	50.2	0.43	4.58	35.1	0.12	4.05	89.9
23	0.55	4.93	50.2	0.36	4.87	38.1	0.09	3.28	38.6
24	0.94	6.73	49.4	0.99	6.13	31.8	0.84	4.66	58.8
28	0.36	4.12	49.2	0.20	4.69	31	0.16	5.13	54.8
29	0.25	4.32	52.2	0.30	4.01	32.5	0.21	4.98	55.3
30	0.43	5.13	48	0.29	4.48	31.5	0.13	3.65	56
50	0.75	5.21	49.9	0.62	5.17	34.4	0.48	4.12	66.9
53	0.55	4.53	48	0.34	4.46	35.5	0.12	3.78	48.4
54	0.62	5.87	50	0.45	5.52	32.7	0.16	4.43	56.8
56	0.58	4.83	52.5	0.46	4.89	35.9	0.25	3.96	50.5

# Biski & Afoninski

- o Type of reservoir: carbonates with vuggy and intracrystalline porosity
- o Number of layers: 2 independent reservoirs, Afoninski and Biski
- o Both reservoirs are condensate layers
- o Total wells: 17 horizontal wells (horizontal section= 950m)

Table 2: Reservoir parameters Biski and Afoninski

WELL	AFON	INSKI	BIS	SKI
	Net to	Porosity	Net to	Porosity
	Gross	%	Gross	%
9	0.24	4.02	0.19	4.15
10	0.06	5.43	0.13	4.72
20	0.45	6.02	0.93	7.35
22	0.32	5.20	0.18	7.09
23	0.77	5.49	0.78	4.76
28	0.13	5.95	0.43	5.13

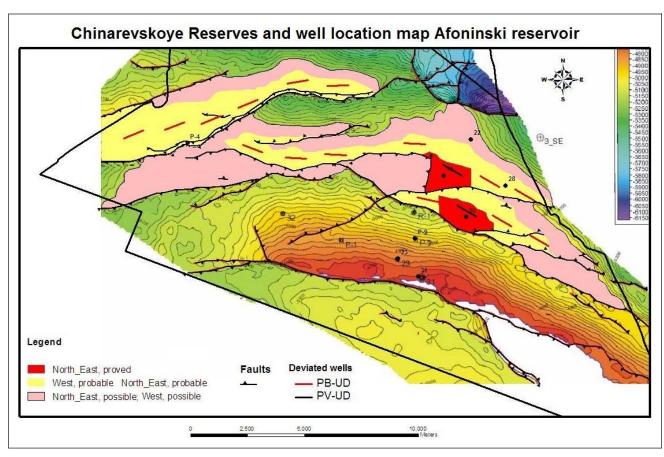


Figure 9: Reserves and well location map Afoninski reservoir

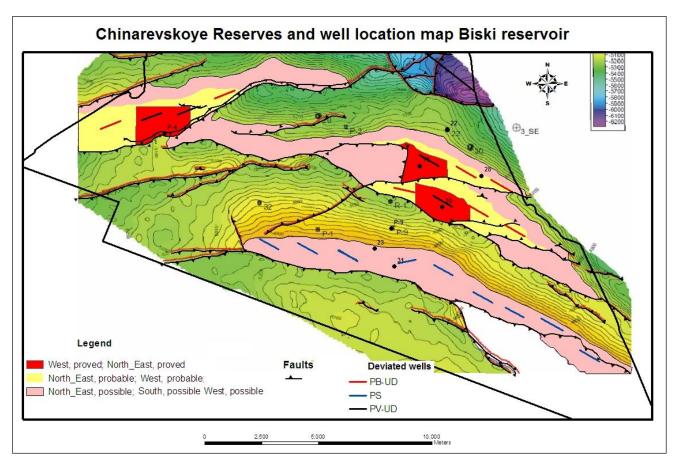


Figure 10: Reserves and well location map Biski reservoir

# Givetian – Mullinski and Ardatovski reservoirs

- Type of reservoir: clastic reservoirs with low porosities.
- Number of layers: Mullinski up to 3 sandstone layers, which can be locally separated by silt and claystones, Ardatovski presents a massive reservoir. Reservoir quality increases from the bottom towards the top reservoir.
- o The Mullinski is a volatile oil layer, and the Ardatovski a gas condensate reservoir
- Development type: In the Western part 4 wells with commingled production from Ardatovski and Mullinski reservoirs. These wells will be drilled vertically down to the Ardatovski reservoir and a horizontal side track (length 950m-1660m) will be drilled into the Mullinski reservoir.
- Total wells: 13, including 3 vertical wells, two of them to the Ardatovski one in the northeastern and one in the western part. The third vertical well is a Mullinski well in the western part. Nine horizontal wells will have a horizontal section of 1660m and one well of 950m.

Table 3: Reservoir parameters Givetian

Well	Mullinski		Ardatovski	
	Net to	Porosity	Net to	Porosity
	Gross	%	Gross	%
<b>№22</b>	0.44	13.65	0.36	6.48
Nº28			0.60	7.09
Nº29	0.02	12.00		
Nº30	0.19	5.83	0.27	5.84
<b>№</b> 54	0.59	9.73	0.65	5.93

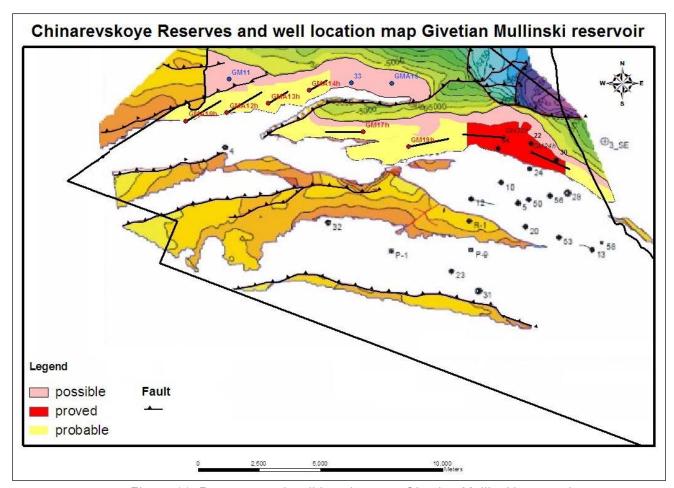


Figure 11: Reserves and well location map Givetian Mullinski reservoir

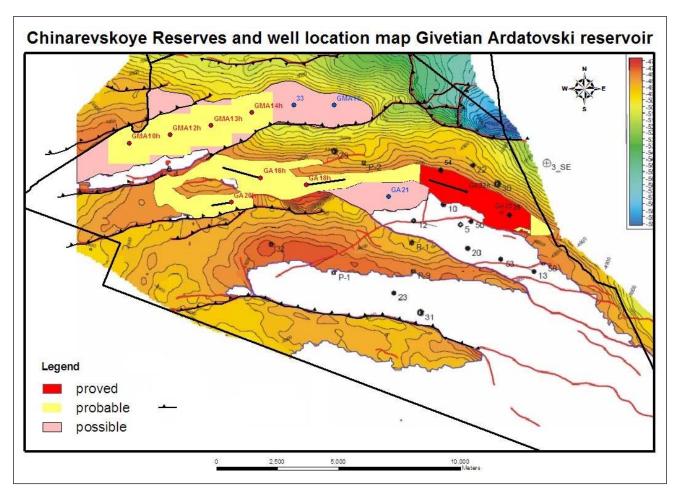


Figure 12: Reserves and well location map Givetian Ardatovski reservoir

#### Additional Exploration Potential

#### Possible Reserves

Possible Reserves may be assigned to areas of a reservoir adjacent to Probable where data control and interpretations of available data are progressively less certain. Frequently, this may be in areas where geoscience and engineering data are unable to clearly define the area and vertical reservoir limits of commercial production from the reservoir by a defined project. Possible estimates also include incremental quantities associated with project recovery efficiencies beyond that assumed for Probable. The significant increase of reserves in the proven and probable categories is the result of the successful geological and drilling work carried out by Zhaikmunai LLP throughout the years of 2004 - 2007.

In addition to the estimated 2P reserves, a significant additional appraisal and exploration potential exists in the Givetian, Biski & Afoninski, Tournaisian and in the Lower Permian.

The possible reserves (3P) estimated as of July 1, 2007 amount to 202.6 mmbbl of liquids and 936 billlion cf of sales gas. A breakdown of the possible reserves estimated by Ryder Scott is provided in table below.

Table 4 Possible Reserves as of July 1, 2007

	Sales Gas (MMcf)	Plant Products (bbls)	Oil/Condensate (bbls)
Ardatovski – NE	21,561	773,500	933,000
Ardatovski - West	63,827	2,290,000	2,472,000
Mullinski – NE	9,217	1,331,000	4,033,000
Mullinski - West	7,614	1,099,000	3,332,000
Tournaisian – North & South	142,892	7,115,000	46,530,000
Biski/Afoninski	691,032	40,582,000	92,157,000
TOTAL	936,143	53,190,500	149,457,000

In the Northern Tournaisian horizon the possible reserves include those amounts of reserves which were simulated by PM Lucas in their Dynamic Simulation Study but were not taken into account for the calculation of 2P reserves.

The Tournaisian South has significant possible reserves since the calculation of proven and probable reserves only accounted for the rock volumes defined by the Lowest Known Hydrocarbon in Layer T1 and T2.

The Afoninski reservoir has a large possible area controlled by the probable area of the Biski horizon. Although well 23 has tested water in the Biski South area, this particular area can still be assumed to be hydrocarbon bearing based on available core and log data from well 31, which is currently under test operations. Therefore, the volumes associated with the Afoninski South were assigned to category possible.

For the Western Givetian reservoir Ryder Scott assigned 3 well locations to the category of possible reserves. These locations are included in the calculation of possible reserves for this area. In addition, we expect higher average reservoir properties. This is based on data from well Ru200 and the Teknica study completed in 2000.

#### Prospective Resource

In addition to the estimated 3P reserves several more prospects were mapped in the Givetian, the Biski & Afoninski, the Tournaisian and the Lower Permian reservoirs.

The additional potential of hydrocarbon resources remaining in such prospects in the Licence area has been estimated by Ryder Scott. The resources were estimated for each stratigraphic horizon and each prospect.

The map below shows the location of the prospects within the Chinarevskoye Licence area.

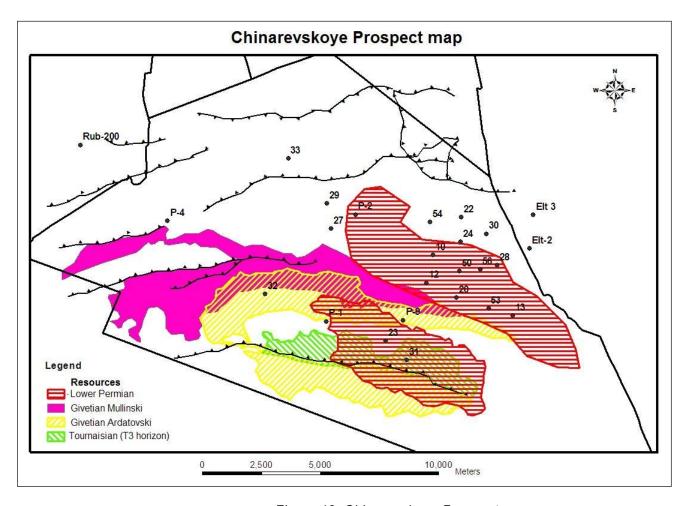


Figure 13: Chinarevskoye Prospect map

Ryder Scott included resource estimations for the Givetian South (Mullinski and Ardatovski reservoirs) and the Lower Permian North and South (Filippovksi horizons) prospects for the Chinarevskoye Licence. Based on the results of the probabilistic calculations, the overall exploration potential in these prospects through summation of best estimates amounted to 143.5 mm boe. Detailed figures are given in the table below:

Table 5: Resource Expectations for Mapped Prospects in the Chinarevskoye Area

Area	Oil+Condensate+Plant Products	Gas
	m bbl	MMcf
Givetian Ardatovski –South	22,376	222,051
Givetian Mullinski – South	21,580	42,021
Permian Filippovski – North	23,079	46,748
Permian Filippovski – South	18,463	37,398
Prospective Resources	85,498	348,219

In order to evaluate the remaining exploration potential of the Givetian and Biski & Afoninski several new appraisal wells are expected to be drilled before the end of 2007. Two wells (wells 30 and 54) are targeted to test the Givetian reservoir in the North-Eastern part and three wells are being drilled to appraise the Tournaisian (wells 31, 32 and 27). Well 33 is under drilling to test the Biski & Afoninski reservoirs in the Western part of the Licence area.

One or two of these appraisal wells will additionally test the Permian reservoir as high expectations of upside exploration potential are held for the Lower Permian reservoirs. In the last three wells drilled in the Tournaisian reservoir the Lower Permian reservoir was tested and was shown to be oil bearing. The first seismic interpretation was carried out by PGS-GIS during 2007. New maps reinforced the potential of the Lower Permian reservoir.

In well 54 a new reservoir horizon was proved hydrocarbon bearing by mid of year 2007. A MDT sample showing oil was taken from the Middle Carboniferous Bashkirian horizon with a density of 834 kg/m3. It is planned to test this reservoir in one of the upcoming exploration or production wells.

#### **Professional Qualifications**

Ryder Scott Company, L.P. was formed in 1937. The company is one of the largest, oldest, and most respected reservoir-evaluation consulting firms in the petroleum industry. The company performs more than 1,000 consulting studies a year for oil and gas producers—both major and independent—investors, banks, governmental agencies and accounting and law firms. The company has offices in Houston, Denver and Calgary and has 115 employees and over 70 professional engineers and geoscientists.

This evaluation was prepared by representatives of Ryder Scott Company in Denver. From Ryder Scott Company participants include Mr. Larry T. Nelms, Mr. Richard J. Marshall and Mr. James L. Baird. Mr. Nelms and Mr. Marshall have over 39 years and 30 years of industry experience respectively in the oil and gas industry and have been employees of Ryder Scott Company for over 25, and 20 years respectively. Mr. Baird has over 37 years experience and has been with Ryder Scott for 1 year. Mr. Nelms is a Managing Senior Vice President and Mr. Marshall is a Vice President in Ryder Scott Company. Mr. Nelms is a Registered Professional Engineer in the States of Colorado, Montana, North Dakota, Oklahoma, Texas and Wyoming. Mr. Marshall is a Registered Professional Engineer in the State of Utah.

Ryder Scott Company would like to acknowledge Alex and Daniela Erber, without whose professional assistance and support would have made preparation of this report more difficult.

#### General

The reserve and production projections, cash flow analyses and summary table for the reserves are presented in the Tables section of this report. Table B presents a one line summary of gross and net reserves and income data for each of the subject formations in the licence area. Tables 1 through 11 present the estimated annual projection of production and income beginning July 1, 2007 by reserve category.

The estimates of reserves presented herein are based upon a detailed study of the properties in which Zhaikmunai LLP holds the right to conduct its hydrocarbon production and exploration activities however, we have not made any field examination of the property. No consideration was given in this report to potential environmental liabilities which may exist nor were any costs included for potential liability to restore and clean up damages, if any, caused by past operating practices. The Issuer has informed us that they have provided to us all of the accounts, records, geological and engineering data, and reports and other data required for this report. This report reflects the terms of the Production Sharing Agreement between the Republic of Kazakhstan and Zhaikmunai LLP. This report reflects the royalty payment to the Republic of Kazakhstan, the cost oil provisions, profit oil provisions and production bonus payments as set out in the Production Sharing Agreement.

Zhaikmunai LLP has assured us of their intent and ability to proceed with the development activities described in this report.

Neither we nor any of our employees have any interest in the subject properties and neither the employment to make this study nor the compensation is contingent on our estimates of reserves and future income for the subject properties.

This Competent Person's Report was prepared by Ryder Scott Company L.P. for the exclusive use and sole benefit of Zhaikmunai LLP (the "Issuer"), and ING Bank N.V. as described in the first paragraph of this letter and may not be put to other use without our prior written consent for such use. The data, work papers, and maps used in the preparation of this report are available for examination by authorized parties in our offices. Please contact us if we can be of further service.

Very truly yours,

RYDER SCOTT COMPANY, L.P.

Larry T. Nelms, P.E. Managing Senior Vice President

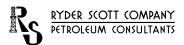
Richard J. Marshall, P.E.

James J. Baild

Vice President

James L. Baird, P.E.

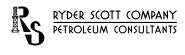
Vice President



## ZHAIKMUNAI LLP ESTIMATED FUTURE RESERVES AND INCOME PROPERTY RANKING BY PROVED DISCOUNTED FUTURE NET INCOME BETWEEN THE REPUBLIC OF KAZAKHSTAN AND ZHAIKMUNAI LLP AS OF JULY 1, 2007

	(A) Status		VES (MMCF) GAS	(M\$) Future Net Income (C)	(M\$) FUTURE NET INCOME DISC. AT 10.0%	PERCENT OF TOTAL	CUMULATIVE PERCENT OF TOTAL	TABLE NUMBER
		——————————————————————————————————————						
CHINAREVSKOYE FIELD, WESTERN OBLAST, KAZAKHSTAN FAULT BLOCK 20 (BISKI/AFRO	PV-UD N	5,647,490	53,593	307,692	177,564	15.480	15.480	108
CHINAREVSKOYE FIELD, WESTERN OBLAST, KAZAKHSTAN FAULT BLOCK 10 (BISKI/AFRO	PV-UD IN	4,568,670	43,151	247,707	151,000	13.164	28.645	102
CHINAREVSKOYE FIELD, WESTERN OBLAST, KAZAKHSTAN PROSPECT C (BISKI)	PV-UD	4,405,221	42,308	228,389	102,490	8.935	37.580	111
CHINAREVSKOYE FIELD, WESTERN OBLAST, KAZAKHSTAN NORTH AREA WELL 50	PV-PD	2,664,801	2,072	94,719	52,740	4.598	42.178	23
CHINAREVSKOYE FIELD, WESTERN OBLAST, KAZAKHSTAN NORTHEAST GA23-H1660	PV-UD	1,177,536	25,533	81,805	36,928	3.219	45.397	75
CHINAREVSKOYE FIELD, WESTERN OBLAST, KAZAKHSTAN SOUTH AREA WELL 23	PV-NP	1,099,619	8,715	57,200	36,547	3.186	48.583	52
CHINAREVSKOYE FIELD, WESTERN OBLAST, KAZAKHSTAN NORTH AREA 30 (TURNEISKI)	PV-BP	1,494,972	3,228	59,553	36,461	3.179	51.762	28
CHINAREVSKOYE FIELD, WESTERN OBLAST, KAZAKHSTAN NORTH AREA 54 (TURNEISKI)	PV-BP	1,494,972	3,228	59,553	36,461	3.179	54.941	29
CHINAREVSKOYE FIELD, WESTERN OBLAST, KAZAKHSTAN NORTH AREA 28 (TURNEISKI)	PV-BP	1,494,972	3,228	59,553	36,461	3.179	58.120	27
CHINAREVSKOYE FIELD, WESTERN OBLAST, KAZAKHSTAN NORTH AREA WELL 56	PV-PD	1,802,550	663	62,435	36,183	3.154	61.274	25
CHINAREVSKOYE FIELD, WESTERN OBLAST, KAZAKHSTAN NORTH AREA 57 (TURNEISKI)	PV-UD	1,494,972	3,228	55,104	32,013	2.791	64.065	30
CHINAREVSKOYE FIELD, WESTERN OBLAST, KAZAKHSTAN SOUTH AREA 2 (TURNEISKI)	PV-UD	1,099,619	8,715	51,577	31,238	2.723	66.788	55
CHINAREVSKOYE FIELD, WESTERN OBLAST, KAZAKHSTAN SOUTH AREA 1 (TURNEISKI)	PV-UD	1,099,619	8,715	51,577	30,983	2.701	69.490	54
CHINAREVSKOYE FIELD, WESTERN OBLAST, KAZAKHSTAN SOUTH AREA #31 (TURNEISKI)	PV-UD	1,099,619	8,715	51,577	30,930	2.697	72.186	53
CHINAREVSKOYE FIELD, WESTERN OBLAST, KAZAKHSTAN NORTH AREA 12 (TURNEISKI)	PV-UD	1,488,131	3,328	54,328	30,263	2.638	74.824	32
CHINAREVSKOYE FIELD, WESTERN OBLAST, KAZAKHSTAN NORTH AREA WELL 24	PV-PD	874,831	4,218	43,517	28,367	2.473	77 <b>.29</b> 7	22
CHINAREVSKOYE FIELD, WESTERN OBLAST, KAZAKHSTAN NORTH AREA WELL 10	PV-PD	1,439,567	1,090	50,079	25,672	2.238	79.536	18
CHINAREVSKOYE FIELD, WESTERN OBLAST, KAZAKHSTAN NORTH AREA 336 (TURNEISKI)	PV-UD	1,451,266	3,611	51,434	23,323	2.033	81.569	36
CHINAREVSKOYE FIELD, WESTERN OBLAST, KAZAKHSTAN NORTH AREA WELL 22	PV-PD	668,860	3,702	34,818	22,682	1.977	83.546	21





### ZHAIKMUNAI LLP ESTIMATED FUTURE RESERVES AND INCOME PROPERTY RANKING BY PROVED DISCOUNTED FUTURE NET INCOME BETWEEN THE REPUBLIC OF KAZAKHSTAN AND ZHAIKMUNAI LLP AS OF JULY 1, 2007

	- (4)	NET RESER		(M\$)			CUMULATIVE	TADLE
	STATUS	(BARRELS) OIL/COND.(B)	(MMCF) GAS	INCOME (C)	AT 10.0%	OF Total 	OF TOTAL	TABLE NUMBER 
CHINAREVSKOYE FIELD, WESTERN OBLAST, KAZAKHSTAN NORTH AREA 243 (TURNEISKI)	PV-UD	1,443,458	3,595	50,993	22,028	1.920	85.467	37
CHINAREVSKOYE FIELD, WESTERN OBLAST, KAZAKHSTAN NORTHEAST GM22-H1660	PV-UD	1,565,691	3,577	53,883	20,410	1.779	87.246	88
CHINAREVSKOYE FIELD, WESTERN OBLAST, KAZAKHSTAN NORTHEAST GM24-H1660	PV-UD	1,563,245	3,572	53,618	19,156	1.670	88.916	89
CHINAREVSKOYE FIELD, WESTERN OBLAST, KAZAKHSTAN NORTH AREA 349 (TURNEISKI)	PV-UD	1,435,525	3,570	50,087	18,110	1.579	90.495	41
CHINAREVSKOYE FIELD, WESTERN OBLAST, KAZAKHSTAN NORTH AREA 283 (TURNEISKI)	PV-UD	1,434,325	3,563	49,851	16,954	1.478	91.973	42
CHINAREVSKOYE FIELD, WESTERN OBLAST, KAZAKHSTAN NORTH AREA 371 (TURNEISKI)	PV-UD	1,434,325	3,563	49,851	16,954	1.478	93.451	44
CHINAREVSKOYE FIELD, WESTERN OBLAST, KAZAKHSTAN NORTH AREA 316 (TURNEISKI)	PV-UD	1,432,665	3,558	49,603	16,051	1.399	94.851	43
CHINAREVSKOYE FIELD, WESTERN OBLAST, KAZAKHSTAN NORTHEAST GA25-V (ARDATOV	PV-UD SK	490,498	11,278	32,482	14,383	1.254	96.104	74
CHINAREVSKOYE FIELD, WESTERN OBLAST, KAZAKHSTAN NORTH AREA WELL 20	PV-PD	430,557	670	17,203	11,630	1.014	97.118	20
CHINAREVSKOYE FIELD, WESTERN OBLAST, KAZAKHSTAN NORTH AREA 10 (TI GAS)	PV-BP	406,004	2,614	20,285	10,971	0.956	98.075	26
CHINAREVSKOYE FIELD, WESTERN OBLAST, KAZAKHSTAN ARDATOVSKY (#28 OFFSET)	PV-UD	337,378	2,803	12,296	10,240	0.893	98.9 <del>6</del> 8	72
CHINAREVSKOYE FIELD, WESTERN OBLAST, KAZAKHSTAN NORTH AREA WELL 53	PV-PD	187,861	370	7,812	5,588	0.487	99.455	24
CHINAREVSKOYE FIELD, WESTERN OBLAST, KAZAKHSTAN AREA WELL 28 (ARDATOVSKI)	PV-PD	106,762	o	3,558	3,644	0.318	99.772	69
CHINAREVSKOYE FIELD, WESTERN OBLAST, KAZAKHSTAN WELL 54 (MULINSKI)	PV-PD	68,148	o	2,552	2,623	0.229	100.001	71
CHINAREVSKOYE FIELD, WESTERN OBLAST, KAZAKHSTAN WELL 30 (MULINSKI)	PV-PD	14,782	o	512	524	0.046	100.047	70
CHINAREVSKOYE FIELD, WESTERN OBLAST, KAZAKHSTAN NORTH AREA WELL 13	PV-NP	0	o	o	0	0.000	100.047	19
CHINAREVSKOYE FIELD, WESTERN OBLAST, KAZAKHSTAN PRODUCTION BONUS PAYMENT	PV-UD	0	o	-1,000	-537	-0.047	100.000	116
**** TOTALS ****	-	48,918,511	273,774	2,156,203	1,147,035	100.000	100.000	

(A) RESERVE TYPES: PV = PROVED PB = PROBABLE PS = POSSIBLE

STATUS: PD = PRODUCING
BP = BEHIND PIPE
SI = SHUT IN
UD = UNDEVELOPED

DP = DEPLETED NP = NON-PRODUCING PB = PAYBACK

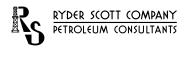
<sup>(</sup>B) EXCLUDES PLANT PRODUCTS
(C) BEFORE FEDERAL OR STATE/PROVINCE INCOME TAXES



### ZHAIKMUNAI LLP ESTIMATED FUTURE RESERVES AND INCOME SUMMARY OF GROSS AND NET RESERVE AND INCOME DATA BETWEEN THE REPUBLIC OF KAZAKHSTAN AND ZHAIKMUNAI LLP AS OF JULY 1, 2007

		ESTIM	——ESTIMATED REMAINING RESERV			GROSS REV.	ESTIMATED F	UTURE DOLLARS-	-\$M BEFORE FIT	
	STATUS	(BARRELS) OIL/COND(B)	(MMCF) GAS	(BARRELS) OIL/COND(B)	(MMCF)	AFTER PROD. TAXES	TOTAL DEDUCTIONS	UNDISCOUNTED	DISCOUNTED	
NORTH AREA WELL 24 NORTH AREA WELL 50 NORTH AREA WELL 53	PV-PD PV-PD PV-PD PV-PD PV-PD PV-PD PV-BP PV-BP PV-BP PV-BP PV-BP PV-BP PV-DO PV-UO PV-UO	1,638,444 0 482,018 745,659 980,533 3,013,833 210,302 2,033,409 462,908 1,685,889 1,685,889 1,685,889 1,685,815 1,685,815 1,685,815	1,843 0 1,287 6,757 7,451 3,620 717 1,287 4,239 5,412 5,412 5,412 5,412 5,410 5,395 5,395	1,439,567 0 430,557 668,860 874,831 2,664,801 187,861 1,802,550 406,004 1,494,972 1,494,972 1,494,972 1,494,972 1,494,972 1,488,131 1,451,266 1,443,458	1,090 0 670 3,702 4,218 2,072 370 663 2,614 3,228 3,228 3,228 3,228 3,228 3,528 3,528 3,528	76,290 0 25,433 51,979 64,585 144,072 11,524 94,680 32,230 90,552 90,552 90,552 90,552 90,552 90,552 88,488 86,372 85,952	26,211 0 8,230 17,161 21,068 49,353 3,712 32,245 11,945 30,999 30,999 30,999 35,448 35,160 34,938 34,938	0 17,203 34,818 43,517 94,719 7,812 62,435 59,553 59,553 59,553 55,104 54,328 51,434	25,672 0 11,630 22,682 28,367 52,740 5,588 36,183 10,971 36,461 36,461 36,461 32,013 30,263 23,323 22,028	
NORTH AREA 349 (TURNEISKI) NORTH AREA 283 (TURNEISKI) NORTH AREA 316 (TURNEISKI) NORTH AREA 371 (TURNEISKI) SOUTH AREA 431 (TURNEISKI) SOUTH AREA #21 (TURNEISKI) SOUTH AREA 1 (TURNEISKI) SOUTH AREA 2 (TURNEISKI) AREA WELL 28 (ARDATOVSKI) ARDATOVSKY (#28 OFFSET) NORTHEAST GA25-V (ARDATOVSK NORTHEAST GA23-H1660 WELL 30 (MULINSKI) WELL 54 (MULINSKI) NORTHEAST GM22-H1660	02-V9 PV-U0-PV-PP PV-P0	1,683,184 1,683,986 1,682,574 1,683,986 1,247,496 1,247,496 1,247,496 1,247,496 1,11,599 357,912 356,393 1,410,672 15,451 71,235 1,851,395 1,848,902 5,222,300 6,533,550 5,222,881 0	5,362 5,352 5,352 12,939 12,939 12,939 2,936 10,406 15,017 34,059 54 45,365 63,452 79,387 63,461	1,443,525 1,435,525 1,434,325 1,432,665 1,434,325 1,099,619 1,099,619 106,762 337,778 490,498 1,177,536 14,782 68,148 1,565,691 1,563,245 4,568,670 5,647,490 4,405,221	3,593 3,570 3,563 3,558 3,563 8,715 8,715 8,715 8,715 0 2,803 11,278 25,533 0 0 3,577 3,572 43,151 53,593 42,308	85,574 85,533 85,467 85,533 84,024 84,024 84,024 6,730 27,218 55,714 131,618 932 4,296 97,113 97,034 374,307 463,684 363,950	34, 739 35, 487 35, 682 35, 864 32, 447 32, 447 32, 447 3, 172 14, 922 24, 232 49, 813 420 1, 744 43, 210 126, 600 155, 992 135, 561 1,000	50,087 49,851 49,603 49,851 57,200 51,577 51,577 3,558 12,296 32,482 81,805 512 2,552 53,883 53,618 247,707 307,692 228,389	22,026 18,110 16,954 16,051 16,954 36,547 30,930 30,983 31,238 3,644 10,248 524 2,623 20,410 19,156 151,000 177,564 102,490 -537	
PROBABLE RESERVES CHINAREVSKOYE FIELD, WESTERN OBLAST, KAZAKHSTAN NORTH AREA 27 (TURNEISKI) NORTH AREA 261 (TURNEISKI) NORTH AREA 357 (TURNEISKI) NORTH AREA 441 (TURNEISKI) NORTH AREA 294 (TURNEISKI) NORTH AREA 294 (TURNEISKI) NORTH AREA 388 (TURNEISKI) NORTH AREA 388 (TURNEISKI) NORTH AREA 98 (TURNEISKI) SOUTH AREA PB 1 (TURNEISKI) SOUTH AREA PB 2 (TURNEISKI) SOUTH AREA PB 3 (TURNEISKI) SOUTH AREA PB 4 (TURNEISKI) SOUTH AREA PB 5 (TURNEISKI) SOUTH AREA PB 6 (TURNEISKI) SOUTH AREA PB 7 (TURNEISKI) SOUTH AREA PB 8 (TURNEISKI) SOUTH AREA PB 9 (TURNEISKI) ARDATOVSKY (#54 OFFSET) (AR NORTHEAST GA16-H1660 (ARDAT NORTHEAST GA16-H1660 (ARDAT NORTHEAST GA18-H1660 (ARDAT WEST GMA12-V (ARDATOVSKI) WEST GMA12-V (ARDATOVSKI) WEST GMA13-V (ARDATOVSKI) NORTHEAST GM17-H1660 (MULIN NORTHEAST GM19-H1660 (MULIN NORTHEAN NORTHEAN NORTHEAN NORTHEAN N	######################################	1,685,834 1,685,659 1,685,577 1,685,514 1,685,018 1,684,747 1,684,512 36,740,001 893,496 893,4	5, 410 5, 405 5, 402 5, 400 5, 384 5, 375 5, 368 22, 595 12, 620 12, 620 12, 620 12, 620 12, 620 12, 620 12, 620 12, 620 12, 620 12, 620 14, 030 34, 059 26, 466 26, 466 23, 797 5, 355 5, 347 2, 375 5, 396 5, 397 4, 422 18, 420	1,506,269 1,490,937 1,483,467 1,478,247 1,451,139 1,437,852 1,428,774 31,637,186 800,125 795,400 791,996 778,376 772,245 767,899 763,277 749,397 748,679 439,704 669,806 670,136 784,154 784,154 784,154 676,312 1,557,345 1,559,827 706,396 1,606,878 1,611,698 1,299,099 1,302,046	3,326 3,574 3,663 3,655 3,600 3,574 3,556 15,062 8,583 8,583 8,583 8,526 8,502 8,403 8,378 8,378 8,353 8,284 8,284 8,283 11,641 25,477 20,229 20,229 20,229 20,229 20,229 20,229 20,229 20,229 20,229 20,229 20,229 20,229 20,229 20,229 20,229 20,229 20,238 3,558 3,564 1,614 3,672 3,683 2,968 12,337	90,505 88,644 87,801 87,485 85,842 85,078 84,563 1,586,015 69,174 68,795 68,525 68,239 67,030 66,725 66,402 65,478 65,486 55,384 106,731 96,763	33,675 32,893 32,897 32,601 32,531 35,097 485,635 26,105 25,355 25,797 25,603 25,555 25,396 25,396 25,396 25,397 25,277 25,320 21,911 38,921 33,538 33,538 33,538 33,538 33,538 33,538 33,538 33,538 33,538 33,745	55,655 54,968 54,658 53,241 52,547 49,466 1,100,380 43,069 43,069 42,728 42,636 41,575 41,329 41,101 40,126 33,473 67,557 63,225 63,255 63,513 54,761 55,355 55,311 22,770 58,349 58,876	32,947 29,779 28,273 27,450 23,637 22,033 19,064 439,385 25,570 25,086 24,386 23,873 21,373 20,791 20,236 18,110 17,706 25,610 29,900 28,388 33,318 34,01 34,832 28,595 19,996 18,999 18,999 18,999 18,999 18,999 18,999 18,999 18,999	





### ZHAIKMUNAI LLP ESTIMATED FUTURE RESERVES AND INCOME SUMMARY OF GROSS AND NET RESERVE AND INCOME DATA BETWEEN THE REPUBLIC OF KAZAKHSTAN AND ZHAIKMUNAI LLP AS OF JULY 1, 2007

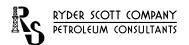
	FST	TMATED REMA	INING RESERVE	:s		ESTIMATED FUTURE DOLLARS-\$M			
		GROSS——— (MMCF)	NET	(MMCF)	GROSS REV. AFTER PROD.	TOTAL		BEFORE FIT— DISCOUNTED	
	TUS OIL/COND(B)		OIL/COND(B)	SÀLES GAS	TAXES		UNDISCOUNTED		
FAULT BLOCK 10 (BISKI/AFRON PB-		30,765	2,119,665	20,334	174,001	68,290	105,711	49,732	
FAULT BLOCK 10 (AFRONINSKI) PB- FAULT BLOCK 10 (AFRONINSKI) PB-		12,345 12,345	852,138 860,951	8,215 8,286	70,200 70,961	30,041 30,660	40,159 40,301	14,647 12,988	
FAULT BLOCK 10 (BISKI/AFRON PB-	UD 1,015,993	12,345	870,317	8,355	71,751	31,334	40,417	11,488	
FAULT BLOCK 20 (BISKI/AFONI PB- FAULT BLOCK 20 (BISKI/AFONI PB-	UD 2,690,140 UD 5,380,280	32,687 65,374	2,294,385 4,501,332	21,827 43,244	187,751 369,825	63,319 126,287	124,432 243,538	65,485 114,314	
PROSPECT C (AFONISKI) PB-	UD 3,935,882	47,824	3,297,080	31,668	270,871	80,486	190,385	92, 155	
PROSPECT C (BISKI/AFONISKI) PB- PROSPECT C (BISKI/AFONISKI) PB-		46,928 55,643	3,671,266 3,902,925	31,377 37,540	288,308 321,836	97,977 109,467	190,331 212,369	67,750 68,000	
PROSPECT C (AFONISKI) PB- PRODUCTION BONUS PAYMENT PB-	UD 3,935,882	47,824 0	3,378,156	32,441 0	278,687 0	106,067 3,000			
*WEST MULINSKI*	-		•			2,222	5,555	_,=:=	
PROVED UNDEVELOPED PROBABLE UNDEVELOPED	0 6,062,603	0 17,590	0 5,224,071	0 11,937	0 321,752	0 135,510		0 97 904	
		·							
PROVED&PROBABLE	6,062,603	17,590	5,224,071	11,937	321,752	135,510	186,242	87,8 <b>9</b> 6	
*NE MULINSKI* TOTAL PROVED	3,786,983	11,155	3,211,866	7,149	199,373	88,810		42,714	
TOTAL PROBABLE	3,688,462	10,702	3,117,172	7,122	192,226	81,561	110,665	38,995	
PROVED&PROBABLE	7,475,445	21,857	6,329,038	14,271	391,599	170,371	221,228	81,709	
*WEST ARDATYOSKI* PROVED UNDEVELOPED	0	0	0	0	0	0	0	0	
PROBABLE UNDEVELOPED	3,520,202	103,195	3,028,774	78,680	375,312	130,588			
PROVED&PROBABLE	3,520,202	103,195	3,028,774	78,680	375,312	130,588	244,724	130,746	
*NE ARDATOVSKI* TOTAL PROVED	2,466,576	62,418	2,112,174	39,614	222,280	92,139	130,141	65,194	
TOTAL PROBABLE	2,081,014	82,148	1,779,646	62,535	268,659	100,020		83,898	
PROVED&PROBABLE	4,547,590	144,566	3,891,820	102,149	490,938	192,159	298,779	149,092	
*NORTH TURNEISKI* PROVED PRODUCING	9,104,198	22,962	8,069,027	12,785	468,563	157,981	310,582	102 043	
PROVED NON-PRODUCING	5,520,575	20,475	4,890,920	12,765	303,887	104,944	198,943	182,862 120,355	
PROVED UNDEVELOPED	13,477,102	43,014	11,614,667	28,016	694,471	283,220	411,251	175,695	
TOTAL PROVED	28,101,875	86,451	24,574,614	53,099	1,466,921	546,142	<del>9</del> 20,779	478,912	
TOTAL PROBABLE	48,536,862	60,339	41,913,871	40,010	2,195,930	718,248	1,477,682	622,568	
PROVED&PROBABLE	76,638,737	146,790	66,488,485	93,109	3,662,852	1,264,390	2,398,462	1,101,480	
*SOUTH AREA* PROVED PRODUCING	0	0	0	0	0	0	0	0	
PROVED NON-PRODUCING	1,247,496	12,939	1,099,619	8,715	84,024	26.824	57,200	36,547	
PROVED UNDEVELOPED	3,742,488	38,817	3,298,857	26,145	252,071	97,341	154,730	93, 151	
TOTAL PROVED	4,989,984	51,756	4,398,476	34,860	336,095	124,166	211,929	129,698	
TOTAL PROBABLE	8,934,960	126,200	7,777,519	84,444	674,990	256,197	418,793	222,543	
PROVED&PROBABLE	13,924,944	177,956	12,175,995	119,304	1,011,085	380,363	630,722	352,241	
*BISKI&AFONINSKI TOTAL PROVED	16,978,731	206,300	14,621,381	139,052	1,201,941	418,154	783,787	431,054	
TOTAL PROBABLE	31,961,717	382,500	27,050,261	255,624	2,210,558	783,556	1,427,002	580,477	
PROVED&PROBABLE	48,940,448	588,800	41,671,642	394,676	3,412,499	1,201,709	2,210,790	1,011,531	
*GRAND SUMMARIES* PROVED PRODUCING	9,302,483	26,316	8,258,719	12,785	480,520	163,316	317,204	189,653	
PROVED NON-PRODUCING	6,768,071	33,414	5,990,539	21,013	387,911	131,767	256,144	156,902	
PROVED UNDEVELOPED	40,253,595	358,350	34,669,253	239,976	2,558,178	975,327	1,582,851	800,481	
TOTAL PROVED TOTAL PROBABLE	56,324,149 104,785,820	418,080	48,918,511 89,891,314	273,774 540,352	3,426,609 6,239,426	1,270,412 2,208,680	2,156,197 4,030,746	1,147,036	
PROVED&PROBABLE	161, 109, 969	782,674 1,200,754	138,809,825	814,126	9,666,035	3,479,092		1,766,030 2,913,065	

(A) RESERVE TYPES: PV = PROVED PB = PROBABLE PS = POSSIBLE

STATUS: PD = PRODUCING
BP = BEHIND PIPE
SI = SHUT IN
UD = UNDEVELOPED

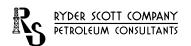
DP = DEPLETED NP = NON-PRODUCING PB = PAYBACK

(B) EXCLUDES PLANT PRODUCTS



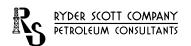
## ZHAIKMUNAI LLP ESTIMATED FUTURE RESERVES AND INCOME SUMMARY OF INITIAL BASIC DATA BETMEEN THE REPUBLIC OF KAZAKHSTAN AND ZHAIKMUNAI LLP AS OF JULY 1, 2007

	PRI. PROD	RES. TYPE (A)	NO. OF LOCATION WELLS SEC TWP RNG	INTEREST		LIQUIDS PRICE \$/BBL	GAS DATA PRICE \$(B) BTU	GROSS COST \$/MONTH
CHINAREVSKOYE FIELD, WESTERN OBLAST, KAZAKHSTAN								
NORTH AREA WELL 10	OIL	PV-PD	1	1.000000 0.	956662	65.00	1.9820 1025	0.
NORTH AREA WELL 13	OIL	PV-SI	0	1.000000 0.	956662	0.00	0.0000 N/A	0.
NORTH AREA WELL 20	OIL	PV-PD	1	1.000000 0.	956662	65.00	1.9820 1000	0.
NORTH AREA WELL 22	OIL	PV-PD	1	1.000000 0.	956662	65.00	1.9820 1000	0.
NORTH AREA WELL 24	OIL	PV-PD	1	1.000000 0.	956662	65.00	1.9820 1000	0.
NORTH AREA WELL 50	OIL	PV-PD	1	1.000000 0.	956662	65.00	1.9820 1000	0.
NORTH AREA WELL 53	OIL	PV-PD	1	1.000000 0.	956662	65.00	1.9820 1000	0.
NORTH AREA WELL 56	OIL	PV-PD	1	1.000000 0.	956662	65.00	1.9820 1000	0.
NORTH AREA 10 (TI GAS)	GAS	PV-BP	1	1.000000 0.	000000	65.00	1.9820 1000	0.
NORTH AREA 28	OIL	PV-BP	1	1.000000 0.	956662	65.00	1.9820 1000	0.
NORTH AREA 30	OIL	PV-BP	1	1.000000 0.	956662	65.00	1.9820 1000	0.
NORTH AREA 54	OIL	PV-BP	1	1.000000 0.	956662	65.00	1.9820 1000	0.
NORTH AREA 57	OIL	PV-UD	1	1.000000 0.	956662	65.00	1.9820 1000	0.
NORTH AREA 27	OIL	PB-UD	1	1.000000 0.0	000000	65.00	1.9820 1000	0.
NORTH AREA 12	OIL	PV-UD	1	1.000000 0.	948664	65.00	1.9820 1000	0.
NORTH AREA 261	OIL	PB-UD	1	1.000000 0.	960300	65.00	1.9820 1000	0.
NORTH AREA 357	OIL	PB-UD	1	1.000000 0.	948163	65.00	1.9820 1000	0.
NORTH AREA 441	OIL	PB-UD	1	1.000000 0.	948163	65.00	1.9820 1000	0.
NORTH AREA 336	OIL	PV-UD	1	1.000000 0.	931331	65.00	1.9820 1000	0.
NORTH AREA 243	OIL	PV-UD	1	1.000000 0.	871806	65.00	1.9820 1000	0.
NORTH AREA 294	OIL	PB-UD	1	1.000000 0.	938993	65.00	1.9820 1000	0.
NORTH AREA 388	OIL	PB-UD	1	1.000000 0.	938993	65.00	1.9820 1000	0.
NORTH AREA 385H	OIL	PB-UD	1	1.000000 0.	851472	65.00	1.9820 1000	0.
NORTH AREA 349	OIL	PV-UD	1	1.000000 0.	856728	65.00	1.9820 1000	0.
NORTH AREA 283	OIL	PV-UD	1	1.000000 0.	856728	65.00	1.9820 1000	0.
NORTH AREA 316	OIL	PV-UD	1	1.000000 0.	838916	65.00	1.9820 1000	0.
NORTH AREA 371	OIL	PV-UD	1	1.000000 0.	856728	65.00	1.9820 1000	0.
NORTH AREA	OIL	PB	1	1.000000 0.0	000000	65.00	1.9820 1000	0.



## ZHAIKMUNAI LLP ESTIMATED FUTURE RESERVES AND INCOME SUMMARY OF INITIAL BASIC DATA BETMEEN THE REPUBLIC OF KAZAKHSTAN AND ZHAIKMUNAI LLP AS OF JULY 1, 2007

	PRI. PROD	RES. TYPE (A)	NO. OF WELLS	LOCATION SEC TWP RNG	INTER EVALU W.I.		LIQUIDS PRICE \$/BBL	GAS DATA PRICE \$(B) BTU	GROSS COST \$/MONTH
CHINAREVSKOYE FIELD, WESTERN OBLA	AST, KA	ZAKHSTA	N (CONT	.)					
SOUTH AREA WELL 23	GAS	PV-SI	1		1.000000	0.000000	65.00	1.9820 1000	0.
SOUTH AREA #31	OIL	PV-UD	1		1.000000	0.948664	65.00	1.9820 1000	0.
SOUTH AREA 1	OIL	PV-UD	1		1.000000	0.948664	65.00	1.9820 1000	0.
SOUTH AREA 2	OIL	PV-UD	1		1.000000	0.948664	65.00	1.9820 1000	0.
SOUTH AREA PB 1	GAS	PB-UD	1		1.000000	0.000000	65.00	1.9820 1000	0.
SOUTH AREA PB 2	OIL	PB-UD	1		1.000000	0.960300	0.00	1.9820 1000	0.
SOUTH AREA PB3	OIL	PB-UD	1		1.000000	0.948163	0.00	1.9820 1000	0.
SOUTH AREA PB4	OIL	PB-UD	1		1.000000	0.948163	0.00	1.9820 1000	0.
SOUTH AREA PB5	OIL	PB-UD	1		1.000000	0.948163	0.00	1.9820 1000	0.
SOUTH AREA PB6	OIL	PB-UD	1		1.000000	0.938993	0.00	1.9820 1000	0.
SOUTH AREA PB7	OIL	PB-UD	1		1.000000	0.938993	0.00	1.9820 1000	0.
SOUTH AREA PB8	OIL	PB-UD	1		1.000000	0.938993	0.00	1.9820 1000	0.
SOUTH AREA PB9	OIL	PB-UD	1		1.000000	0.851472	0.00	1.9820 1000	0.
SOUTH AREA PB10	OIL	PB-UD	1		1.000000	0.851472	0.00	1.9820 1000	0.
AREA WELL 28	GAS	PV-PD	1		1.000000	0.000000	65.00	1.9820 1000	0.
ARDATOVSKY (#28 OFFSET)	GAS	PV-UD	1		1.000000	0.000000	65.00	1.9820 1000	0.
ARDATOVSKY (#54 OFFSET)	GAS	PB-UD	1		1.000000	0.000000	65.00	1.9820 1000	0.
NORTHEAST GA25-V	GAS	PV-UD	1		1.000000	0.856728	65.00	1.9820 1000	0.
NORTHEAST GA23-H1660	GAS	PV-UD	1		1.000000	0.838916	65.00	1.9820 1000	0.
NORTHEAST GA16-H1660	GAS	PB-UD	1		1.000000	0.826695	65.00	1.9820 1000	0.
NORTHEAST GA18-H1660	GAS	PB-UD	1		1.000000	0.821377	65.00	1.9820 1000	0.
WEST GMA10-V	GAS	PB-UD	1		1.000000	0.938993	65.00	1.9820 1000	0.
WEST GMA11-V	GAS	PB-UD	1		1.000000	0.938993	65.00	1.9820 1000	0.
WEST GMA12-V	GAS	PB-UD	1		1.000000	0.938993	65.00	1.9820 1000	0.
WEST GMA13-V	GAS	PB-UD	1		1.000000	0.938993	65.00	1.9820 1000	0.
WELL 30	OIL	PV-PD	1		1.000000	0.956662	65.00	1.9820 1000	0.
WELL 54	OIL	PV-PD	1		1.000000	0.956662	65.00	1.9820 1000	0.
NORTHEAST GM22-H1660	GAS	PV-UD	1		1.000000	0.838916	65.00	1.9820 1000	0.
NORTHEAST GM24-H1660	GAS	PV-UD	1		1.000000	0.838916	65.00	1.9820 1000	0.
NORTHEAST GM17-H1660	GAS	PB-UD	1		1.000000	0.821377	65.00	1.9820 1000	0.



### ZHAIKMUNAI LLP ESTIMATED FUTURE RESERVES AND INCOME SUMMARY OF INITIAL BASIC DATA BETMEEN THE REPUBLIC OF KAZAKHSTAN AND ZHAIKMUNAI LLP AS OF JULY 1, 2007

	PRI. PROD	RES. TYPE (A)	NO. OF WELLS	LOCATION SEC TWP RNG		RESTS—— NATED—— N.R.I.	LIQUIDS PRICE \$/BBL	GAS DATA PRICE \$(B) BTU	GROSS COST \$/MONTH
CHINAREVSKOYE FIELD, WESTERN	OBLAST, KA	ZAKHSTA	N (CONT	.)					
NORTHEAST GM19-H1660	GAS	PB-UD	1		1.000000	0.821377	65.00	1.9820 1000	0.
WEST GM11-V	GAS	PB-UD	1		1.000000	0.938993	65.00	1.9820 1000	0.
WEST GMA10-H1660	GAS	PB-UD	1		1.000000	0.938993	65.00	1.9820 1000	0.
WEST GMA12-H1660	GAS	PB-UD	1		1.000000	0.938993	65.00	1.9820 1000	0.
WEST GMA13-H950	GAS	PB-UD	1		1.000000	0.938993	65.00	1.9820 1000	0.
FAULT BLOCK 10	GAS	PV-UD	1		1.000000	0.931331	65.00	1.9820 1000	0.
FAULT BLOCK 10	GAS	PB-UD	1		1.000000	0.938993	65.00	1.9820 1000	0.
FAULT BLOCK 10	GAS	PB-UD	1		1.000000	0.851472	65.00	1.9820 1000	0.
FAULT BLOCK 10	GAS	PB-UD	1		1.000000	0.821377	65.00	1.9820 1000	0.
FAULT BLOCK 10	GAS	PB-UD	1		1.000000	0.826029	65.00	1.9820 1000	0.
FAULT BLOCK 10	GAS	PB-UD	1		1.000000	0.845080	65.00	1.9820 1000	0.
FAULT BLOCK 20	GAS	PV-UD	1		1.000000	0.931331	65.00	1.9820 1000	0.
FAULT BLOCK 20	GAS	PB-UD	1		1.000000	0.938993	65.00	1.9820 1000	0.
FAULT BLOCK 20	GAS	PB-UD	1		1.000000	0.851472	65.00	1.9820 1000	0.
PROSPECT C	GAS	PV-UD	1		1.000000	0.856728	65.00	1.9820 1000	0.
PROSPECT C	GAS	PB-UD	1		1.000000	0.851472	65.00	1.9820 1000	0.
PROSPECT C	GAS	PB-UD	1		1.000000	0.821377	65.00	1.9820 1000	0.
PROSPECT C	GAS	PB-UD	1		1.000000	0.826029	65.00	1.9820 1000	0.
PROSPECT C	GAS	PB-UD	1		1.000000	0.845080	65.00	1.9820 1000	0.
PRODUCTION BONUS PAYMENT	OIL	PV-UD	0		1.000000	1.000000	0.00	0.0000 N/A	500000.
PRODUCTION BONUS PAYMENT	OIL	PB-UD	0		1.000000	1.000000	0.00	0.0000 N/A	500000.

(A) RESERVE TYPES: PV = PROVED
PB = PROBABLE
PS = POSSIBLE
PS = POSSIBLE
SI = SHUT IN
UD = UNDEVELOPED
DP = DEPLETED
PB = PAYBACK
NP = NON-PRODUCING
(B) IF BTU IS SHOWN, GAS PRICE IN \$/MMBTU. IF BTU IS N/A, PRICE IS IN \$/MCF.



GRAND SUMMARY

PROVED AND

PR	OVED AND PROBAB	LE						ROVED AND ROBABLE		
		REVENU	JE INTEREST	s	PF	RODUCT PR	ICES	_ DIS	SCOUNTED	
	EXPENSE INTEREST	Oil/ Condensate P	Plant Products	Gas \$	/Cond. S/bbl.	Plt. Prod. \$/bbl.	Gas \$/MCF	FUTUR COMPOUNDE	E NET INCOME - \$ D <b>MONTHLY</b>	M
INITIAL FINAL REMARKS	INTEREST	Condensate 1		Gas e	, doi:	<u> </u>		10.00% - 12.00% - 15.00% - 20.00% - 25.00% -	2,913,065 2,535,213 2,069,519 1,492,481 1,086,621	3 ) L
	ESTIM	IATED 8/8 THS I	PRODUCTION	<u> </u>	cc	OMPANY NE	T SALES	A\	ERAGE PRICES	3_
Period	Number Oil/Condo of Wells Barrels	d. Plant Prod Barrels			il/Cond. Barrels	Plant Prod Barrels		Gas Oil/ CF \$.	Cond. Gas bbl. \$/MCF	=
2007	15 1,214,	249	0 5,	366 1,	161,629		0	0 6	5.00 0.00	)
2008 2009	17 3,469, 32 9,468,				297,813 871,298	2,273,0	0 92 3		0.50 0.00 0.00 1.98	
2010	48 13,802,	630 4,082,1	.68 83,	888 12,	502,012	3,694,1	92 6	1,239 5	0.00 1.98	3
2011 2012	62 18,529, 67 19,590,				810,423 291,253	4,937,2 5,487,0	49 8 40 9		60.00 1.98 60.00 1.98	
2013	72 17,280,	417 6,619,2	63 141,	779 14,	170,698	5,427,4	31 9	5,420 5	0.00 1.98	3
2014 2015	69 14,189, 72 12,604,				734, 174 665, 163	4,698,7 4,342,5			60.00 1.98 60.00 1.98	
2016	72 10,094,				625,819	3,692,1			0.00 1.98	
2017	72 7,725,				650,029	2,997,9			0.00 1.98	
2018 2019	72 6,070,0 72 4,884,3				241,413 242,739	2,439,1 1,996,0			60.00 1.98 60.00 1.98	
2020	72 4,007,	767 1,863,8	06 37,	009 3,	500,622	1,628,5	96 2	5,635 5	0.00 1.98	3
2021	72 3,346,	810 1,497,3	14 29,	512 2,	927,730	1,310,2	31 2	0,446 5	0.00 1.98	3
Sub-Total Remainder	146,277, 14,832,	002 4,763,8	15 88,	800 13,	692,815 117,010	44,924,2 4,209,6	46 6	1,918 5	0.41 1.98 0.00 1.98	3
Total Future	161,109,	969 57,364,5	96 1,200,	754 138,	809,825	49,133,9	25 81	4,126	60.37 1.98	5
Cumulative Ultimate	5,471, 166,581,		0 11, 96 1,212,							
		COMPANY FU	TURE GROSS	REVENUE (FO	GR) - \$M		ROY	ALTY	FGR AFTER PRODUCTION	
Period	From Oil/Cond.	From Plant Products	From Gas	Othe	er	Total	Oil/Cond \$M	_Gas/P.P \$	TAXES-\$M	•
2007	75,506	0		0	0	75,506	2,287	0	73,219	
2008 2009	199,517 443,566	0 68,193	76,3	0	0	199,517 588,106	7,113 18,729	0 5,120	192,404 564,257	
2010	625,100		121,3	83	ŏ	857,309	28,339	8,304	820,666	
2011 2012	790,521 814,563		163,9		0	1,102,625	38,937 39,953	11,692	1,051,996	
2012	708,535		186,2 189,1		ŏ	1,165,397 1,060,490	34,345	13,068 13,229	1,112,376 1,012,916	
2014	586,709		158,5		0	886,253		11,146	847,573	
2015 2016	533,258 431,291		144,2 121,2		0	807,793 663,291	24,532 18,528	10,166 8,446	773,095 636,317	
2017	332,501	89,938	97,2	51	0	519,690	13,667	6,743	499,280	)
2018 2019	262,071 212,137		78,0 <b>63,</b> 0		0	413,342 335,106	10,181 7,860	5,356 4,288	397,805 322,958	
2020	175,031	48,858	50,8	16	0	274,705	6,061	3,472	265, 172	2
2021	146,387	39,306	40,5	19	0	226,212	4,673	2,779	218,760	)
Sub-Total	6,336,693		1,490,9		0	9,175,342		103,809	8,788,794	
Remainder Total Future	655,850 6,992,543		122,7 1,613,6		0 :	904,871 10,080,213	18,999 301,738	8,631 112,440	877,241 9,666,035	
		DE	DUCTIONS - S	\$M		<u>F</u> L	JTURE NET INC			S-\$M
Period	Operating Costs	Other Taxes	Development Costs	Transportation	Tota	 al	Undiscou Annual	Inted Cumulative	Discounted @ 10.00	%
2007	8,241	0	195,572	7,644	211	1,457	-138,238	-138,238	-135,460	)
2008 2009	11,319 29,235	0	333,497 249,126	21,699 76,331		6,515 4,692	-174,111 209,565	-312,349 -102,784	-156,807 169,885	
2010	39,942	0	233,835	111,447	385	5,224	435,442	332,658	321,839	7
2011 2012	55,485 61,273	0	124,326 72,741	143,037 150,544		2,848 4,558	729,148 827,818	1,061,806 1,889,624	488,407 503,369	
2013	64,918	0	55,292	136, 120	256	5,330	756,586	2,646,210	416,483	3
2014 2015	57,778 40,285	0	21,900 30,606	114, 331 104, 482		4,009 4,373	653,564 588,722	3,299,774 3,888,496	325, 929	
2015 2016	49,285 45,460	Ö	10,800	104, 482 85, 926		4,373 2,186	588,722 494,131	3,888,496 4,382,627	265,646 202,209	
2017	43,508	0	´ 0	67,441	110	0,949	388,331	4,770,958	143,804	1
2018 2019	35,558 30,235	0	0 12,000	53,758 43,685		9,316 5,920	308,489 237,038	5,079,447 5,316,485	103,392 71,925	
2020	29,726	0	. 0	35, 900	65	5,626	199,546	5,516,031	54,788	3
2021	22,990	0	0	29,616	52	2,606	166,154	5,682,185	41,292	2

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3,106,609 372,483 3,479,092

5,682,185 504,758 6,186,943

6,186,943

2,816,701 96,364 2,913,065

1,181,961 119,566 1,301,527

1,339,695 79,900 1,419,595

584,953 173,017 757,970

Sub-Total Remainder

**Total Future** 



GRAND SUMMARY

Sub-Total Remainder Total Future

PV AND PB PRODUCING PROVED AND PROBABLE

			REV	'ENUE IN	TERESTS			PRODUCT	PRICE	ES .		DISC	OUNTE	D
		PENSE	Oil/ Condensate	Plant Product	s G	as	Oil/Cond. \$/bbl.	PIt. P \$/bb		Gas \$/MCF		UTURE I	NET INCO	OME - \$M I <b>THLY</b>
INITIAL FINAL REMARKS	<u></u>		201140110410		<u> </u>	<u> </u>	ψ,22			Çe.	10.0 12.0 15.0 20.0 25.0	0% – 0% – 0% – 0% –	18 17 15 13	9,653 5,077 6,957 3,970 7,072
		ESTIM	ATED 8/8 T	HS PROD	UCTION			COMPANY	NET S	SALES		AVE	RAGE P	RICES
	Number of Wells	Oil/Cond Barrels		Products rrels	Gas MMCF		Oil/Cond. Barrels		Product arrels	s Sales G MMC	as	Oil/Co \$/bb	ond.	Gas \$/MCF
2007	10	863,4	477	0	4,73		826,0	55	0		0	65	.00	0.00
2008 2009	7 : 7	1,233,9 980,0		0 6,315	2,58 2,29		1,170,59 912,74		0 4,894		0 1,662		. 50 . 00	0.00 1.99
2010	7	815,3		19,818	2,0		710,78		0,612		,401			1.99
2011	7 7	697,2		35,915	1,87		597,3		6,443		,248		.00	1.99
2012 2013	7	607,7 535,2		23,792 12,941	1,70 1,5		509,83 437,5		3,851 2,325	-	990 990		.00 .00	1.99 1.99
2014	7	473,3	371 10	3,108	1,42	21	392,5	72 8	5,507		917		.00	1.99
2015 2016	7 7	419,8 373,2		94,166 86,036	1,30 1,18		356,70 321,89		9,995 4,193		859 795		.00 .00	1.99 1.99
2017	7	322,1	157 7	8,645	1,08	34	279,40	57 6	8,222		732	50	.00	1.99
2018 2019	7 7	287,1 256,3		1,914 5,789		93 08	249,50 223,8		2,482 7,455		670 616		.00 .00	1.99 1.99
2020	7	229,0	053 6	0,212	83	32	201,0	57 5	2,857		567	50	.00	1.99
2021	7	203,1		37,304	Э.	14	178,4		2,764		352	50	.00	1.99
Sub-Total Remainder		3,297,4 1,005,0		85,955 10,516	25,00 1,24		7,368,42		1,600 0,103	11	,924 861		. 35 . 00	1.99 1.99
Total Future		9,302,4		6,471	26,3		8,258,7		1,703	12	785		. 99	1.99
Cumulative Ultimate		5,001,1 4,303,5		0 6, <b>4</b> 71	10,39 36,70									
			COMPANY	FUTURE	GROSS F	REVENUE (	(FGR) - \$1	И		ROY	ALTY		FGR A	
Period	Fron Oil/Co	n nd.	From Plant Prod	ucts	From Gas	0	ther	Total	<u> </u>	Oil/Cond \$M	Gas/P.	P \$	TAXE	
2007		53,694		0		2	0	53,	694	1,626		0		2,068
2008 2009		70,820 45,638	4,6	0 47	3,300	)	0	70, 53,	820 585	2,639 2,041		0 274		8,181 1,270
2010	;	35,539	3,9	718	2,782	2	0	42,	239	1,608		231	4	0,400
2011 2012		29,868 25,492	3,4 3,1		2,480 2,212		0		841 820	1,342 1,172		212 186		4,287 9,462
2013		21,877	2,7	70	1,967	7	0	26,	614	963		161	2	5,490
2014 2015		19,629 17,834	2,5 2,4		1,821 1,70		0	24, 21,		793 649		148 139		3,074 1,150
2016	:	16,095	2,2	226	1,580	)	0	19,	901	512		129	1	9,260
2017 2018		13,974 12,475	2,0 1,8		1,454 1,330		0		474 680	432 374		118 109		6,924 5,197
2019	:	11, 193	1,7	23	1,224	4	0	14,	140	324		99	1	3,717
2020 2021		10,053 8,922	1,5	586 983	1,126 698		0		765 603	278 233		92 57		2,395 0,313
Sub-Total	24	•						·						•
Remainder		93, 103 44, 515	33,3 2,4		23,678 1,713		0	450, 48,		14,986 1,160	1	,955 139		3,188 7,332
Total Future	4	37,618	35,7	'51	25,39	l	0	498,	760	16,146	2	,094	48	0,520
				DEDUCT	IONS - \$N	Л			FUTL	JRE NET INCO	ME BEF	ORE IN	ICOME 1	TAXES-\$N
	Operatir	ng			opment					Undiscou	nted		Disco	unted
Period <b>2007</b>	Costs	,642	Other Taxes	C	osts <u>T</u> 3,514	ransportation 5,435		otal <b>25,591</b>		Annual 26,477	Cumula:	tive ,477	<u>@ 10.</u>	00 % 5,897
2008	3	,857	(	) 18	3,769	7,703	}	30,329		37,852	64	,329	3	4,468
2009 2010		, 796 , 952	(		0,209 0,247	7,229 5,709		20,234 17,908		31,036 22,492		,365 ,857		5,515 6,749
2011	1	904	Ċ	)	431	4,851		7,186		27,101	144	, 958	1	8,224
2012 2013		, 636 , 600	(		544 129	4,175 3,608		6,355 5,337		23, 107 20, 153		,065 ,218		4,066 1,104
2014	1	576	(	)	142	3,259	)	4,977		18,097	206	,315		9,026
2015 2016		, 359 , 341	(		85 526	2,979 2,704		4,423 4,571		16,727 14,689		,042 .731		7,552 6,005
2017	1	468	(	)	0	2,378	}	3,846		13,078	250	,809		4,838
2018 2019		, 353 , 278	(		0 583	2,135 1,927		3,488 3,788		11,709 9,929		,518 ,447		3,922 3,011
2020	1	382	(	)	0	1,741		3, 123		9,272	281	,719		2,544
2021	1	,078	(	)	0	1,433	1	2,511		7,802	289	,521		1,941
		222	_		170	E7 0//				200 E21				4 0/0

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289,521

27,683 317,204

317,204

184,862

4,791 189,653

57,266

6,491 63,757

55,179

3,886 59,065

143,667

19,649 163,316

0

0

31,222

9,272 40,494



GRAND SUMMARY

110,319

75,909 186,228

Sub-Total

Remainder Total Future

0

0

142,770

16,622 159,392

PV AND PB

PROV	ED AND PROBABLE						N-PRODUCING	
		REVENUE IN	ITERESTS	Р	RODUCT PRICE	s	DISC	OUNTED
	EXPENSE INTEREST Co	Oil/ Plant		Oil/Cond. \$/bbl.	Plt. Prod. \$/bbl.	Gas \$/MCF	FUTURE N	NET INCOME - \$M <b>MONTHLY</b>
INITIAL Final							10.00% -	596,287 517,400
REMARKS							12.00% - 15.00% -	517,699 423,727
							20.00% -	311,727
							25.00% -	235,761
		ED 8/8 THS PRO	DUCTION		OMPANY NET S			RAGE PRICES
Nu <u>Period</u> of	mber Oil/Cond. Wells Barrels	Plant Products Barrels	Gas MMCF	Oil/Cond. Barrels	Plant Products Barrels	Sales G MMCF	as Oil/Co \$/bb	nd. Gas l \$/MCF_
2007	4 267,244		494	255,665			0 65.	
2008 2009	5 1,016,147 6 1,873,023	0 272,451	1,786 4,629	965,636 1,756,179		а	0 60. 3,351 50.	
2010	6 2,530,513	313,497	5,038	2,312,948			,461 50.	
2011	6 3,347,088	326,346	5,089	2,853,703			, <b>381</b> 50.	
2012	6 3,755,057	323,801	4,958	3,111,075			,214 50.	
2013 2014	6 3,622,962 5 3,241,123		4,536 4,010	2,974,161 2,678,339			,887 50. ,578 50.	
2015	5 2,917,543		3,559	2,466,743			,345 50.	
2016	5 2,631,407	212,849	3,167	2,244,841			, 110 50 ·	
2017	5 2,377,075	190,544	2,821	2,042,973			,893 50.	
2018 2019	5 2,149,862 5 1,944,179	170,488 149,670	2,513 2,200	1,853,713 1,686,752			.,689 50. .,490 50.	
2020	5 1,760,039		1,917	1,535,513			,302 50	
2021	5 1,595,269		1,675	1,394,177			,141 50.	
Sub-Total	35,028,531	3,009,670	48,392	30, 132, 418	2,588,720	30	,842 50.	46 1.98
Remainder	8,479,541	535,702	7,617	7,495,307	473,593		,233 50.	
Total Future	43,508,072	3,545,372	56,009	37,627,725	3,062,313	36	,075 50.	37 1.98
Cumulative Ultimate	470,348 43,978,420	0 3,545,372	1,194 57,203					
Ottimate			•	ENUE (EOD) - 014		ROYA	NI TV	FGR AFTER
_				ENUE (FGR) - \$M		11017		PRODUCTION
Period	From Oil/Cond. P	From lant Products	From Gas	Other	Total	Oil/Cond \$M	Gas/P.P \$	TAXES-\$M
2007	16,618	Ō	Ō	Q	16,618	503	Q	16,115
2008	58,421	7 420	0	0	58,421	2,090	0	56,331
2009 2010	87,809 115,648	7,628 8,342	6,644 6,860	0	102,081 130,850	3,682 5,245	498 532	97,901 125,073
2011	142,685	8,369	6,702	ŏ	157,756	7,149	545	150,062
2012	155,553	8,097	6,364	0	170,014	7,835	520	161,659
2013 2014	148,709	7,367 6,622	5,723 5,113	0	161,799	7,436 6,514	468 416	153,895 138,721
2014	133,917 123,337	6,051	5,112 4,648	ŏ	145,651 134,036	5,907	379	127,750
2016	112,242	5,474	4, 183	ŏ	121,899	5,057	337	116,505
2017	102,148	4,933	3,752	0	110,833	4,410	302	106, 121
2018 2019	92,686 84,338	4,425	3,349 2,948	0	100,460	3,778 3,281	267 233	96,415
2019	76,775	3,907 3,433	2,583	ŏ	91,193 82,791	2,784	233 204	87,679 79,803
2021	69,709	3,014	2,261	ŏ	74,984	2,324	180	72,480
Sub-Total	1,520,595	77,662	61,129	0	1,659,386	67,995	4,881	1,586,510
Remainder Total Future	374,766 1,895,361	14,207	10,373 71,502	0	399,346	11,097 79,092	833 5,714	387,416
Total Future	1,673,301	91,869	71,302	U	2,058,732	17,072	3,714	1,973,926
		DEDUC	TIONS - \$M		FUTU	RE NET INCO	ME BEFORE IN	COME TAXES-\$M
- Period	Operating		elopment			Undiscour		Discounted
2007	Costs Ot 1.251		24,776 Trans	portation Tot	7,709 — A	nnual -11,594	Cumulative -11.594	<u>@ 10.00 %</u> -11,528
2008	3,143		35,562		5,059	11,272	-322	10,587
2009	5,235	0 2	29,679	L3,565 4	8,479	49,422	49,100	40,743
2010	6,101 7,745		23,179		6,695 4 138	78,378	127,478 233,412	58,358 71,201
2011 2012	7,745 8,568	0 1 0			4,128 0,133	105,934 121,526	233,412 354,938	71,301 73,976
2012	9,734	ŏ			1,346	122,549	477,487	67,477
2014	9,545	0	214	L9,367 2	9,126	109,595	587,082	54,620
2015	8,253	0			6,230 4 507	101,520	688,602	45,799
2016 2017	8,138 9,241	0			6,597 3,983	89,908 82,138	778,510 860,648	36,722 30,366
2018	8,611	ŏ			1,974	74,441	935,089	24,912
2019	8,200	0	2,496	L2, 127 2	2,823	64,856	999,945	19,649
2020 2021	8,940 7,614	0	0 1		9,948 7 591	59,855 54 800	1,059,800	16,413
2021	7,614	U	U	9,967 1	7,581	54,899	1,114,699	13,626

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471,811 145,592 617,403

1,114,699 241,824 1,356,523

1,356,523

553,021

43,266 596,287

218,722 53,061 271,783

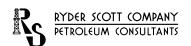


GRAND SUMMARY

PV AND PB

P	ROVED A	ND PROBABI	LE								IDEVELOPE	D	
			REVE	NUE INTERE	STS		PI	RODUCT	PRICE	S		DISCO	UNTED
INITIAL FINAL		EXPENSE INTEREST	Oil/ Condensate	Plant Products	Gas		il/Cond. \$/bbl.	Plt. Pi \$/bb		Gas \$/MCF	FUT COMPOUI 10.00% 12.00%	NDED _	MONTHLY 2,127,126 1,842,438
REMARKS											15.00% 20.00% 25.00%	_	1,488,836 1,046,784 733,788
		ESTIM	ATED 8/8 TH	S PRODUCTI	ON		C	OMPANY	NET S	ALES		AVERA	AGE PRICES
Period	Number of Wells	Oil/Cond Barrels	l. Plant Pr Barre		Gas IMCF		Oil/Cond. Barrels		Products rrels	Sales G MMCI	as F	Oil/Cond \$/bbl.	l. Gas \$/MCF
2007 2008 2009 2010 2011 2012	1 5 19 35 49 54	83,5 1,219,7 6,615,6 10,456,8 14,484,8 15,227,8	528 768 094 1,987 317 3,618 341 5,323	0 0 ,460 ,853 ,301	135 8,556 44,363 76,784 13,358 32,594	1 6 9 12	79,909 ,161,587 ,202,370 ,478,282 ,359,363 ,670,339	1,863 3,289 4,54	0 0 3,931 5,509 1,836 3,316	33 56 78	0 0 3,503 0,377 3,105 0,631	65.0 60.5 50.0 50.0 50.0	0 0.00 0 0.00 0 1.98 0 1.98 0 1.98
2013 2014 2015 2016 2017 2018 2019 2020	59 57 60 60 60 60 60	13,122,2 10,474,7 9,267,1 7,089,3 5,026,2 3,633,5 2,683,7	793 5,311 133 4,798 330 4,019 249 3,211 567 2,581 792 2,081 575 1,672	,189 1: ,642 10 ,129 8 ,789 6 ,381 9 ,479 6	35,684 13,818 02,186 35,104 57,514 53,809 43,006 34,260	8 7 6 4 3 2 1	,758,992 ,663,263 ,841,720 ,059,082 ,327,589 ,138,196 ,332,129 ,764,042	4,39: 4,06: 3,43: 2,76: 2,22: 1,80: 1,46:	9,540 2,483 0,792 5,450 5,283 9,163 8,347 1,283	76 69 58 46 37 29 23	1,543 5,512 7,576 8,268 6,442 7,038 7,728	50.0 50.0 50.0 50.0 50.0 50.0	0 1.98 0 1.98 0 1.98 0 1.98 0 1.98 0 1.98 0 1.98
2021 Sub-Total Remainder Total Future	<b>60</b> e	1,548,3 102,952,0 5,347,4 108,299,4	012 48,305 402 4,137	,156 1,03 ,597	27,323 38,494 79,935 18,429	88 4	,355,111 ,191,974 ,731,407 ,923,381	41,22 3,65	5,950	709 55	3,953 9,442 5,824 5,266	50.0 50.1 50.0 50.1	5 1.98 0 1.98
Cumulative		100,177,	0	0	0	-	, ,20,002	,	,,,,,,,		,,200	00.1	. 1.70
Ultimate		108,299,4	-	,753 1,13	18,429	/ENUE (F	GR) - \$M			ROY	ALTY		FGR AFTER
Period	C	From Dil/Cond.	From Plant Produc	From		Oth	er	Total	l	Oil/Cond \$M	Gas/P.P.		RODUCTION TAXES-\$M
2007 2008		5,194 70,276		0 0	0		0	5, 70,	194 276	157 2, <b>3</b> 85		0	5,037 67,891
2009		310, 119	55,91	8 60	5,404		0	432,	441	13,006	4,3	49	415,086
2010 2011		473,914 617,968	98,56 136,25		1,740 4,805		0	684,2 909,0		21,486 30,446	7,5 10,9		655,193 867,647
2012		633,517	153,40	0 17	7,645		0	964,	562	30,946	12,3	61	921,255
2013 2014		537,950 433,163	152,686 131,77		1,443 1,649		ŏ	872,0 716,9		25,946 20,226	12,6 10,5		833,532 685,779
2015 2016		392,086 302,954	121,82 103,06		7,909 5,472		0	651,8 521,4		17,978 12,958	9,6 7,9		624,192 500,552
2017		216,379	82,95		2,046		ŏ	391,		8,825	6,3		376,235
2018 2019		156,910	66,87 54,25		3,418		0	297,2 229,		6,029 4,255	4,9 3.9		286,193 221,564
2019		116,607 88,202	43,83		3,916 7,106		ŏ	179,		2,998	3,7		172,972
2021		67,756	35,31	1 3	7,560		0	140,	627	2,116	2,5	43	135,968
Sub-Total Remainder Total Futur	e	4,422,995 236,569 4,659,564	1,236,71 109,678 1,346,39	B 110	5,113 0,646 5,759		0 0 0	7,065,8 456,8 7,522,	893	199,757 6,742 206,499	96,9 7,6 104,6	57	6,769,096 442,494 7,211,590
				DEDUCTIONS	S - \$M				FUTU	RE NET INCO		RE INC	OME TAXES-\$I
Period	Ор	erating Costs	Other Taxes	Developmer Costs		sportation	Tota	al	Δ	Undiscour nnual	nted Cumulative		Discounted @ 10.00 %
2007		347	0	157,282	2	526	15	8,155	_	153,118	-153,1	18	-149,828
2008		4,320	0	279, 166		7,643		1,129 5 070		223,238	-376,3 -247 2		-201,863
2009 2010		21,204 31,888	ŏ	209,238 200,410		55,537 88,322		5,979 0,620		129, 107 334, 573	-247,2 87,3		103,627 246,732
2011		45,837	0	108,49	31	17,205	27	1,535		596,112	683,4	36	398,882
2012 2013		51,068 53,585	0	63,23! 55,06:		.23,766 .11,002		8,069 9,648		683,186 613,884	1,366,6 1,980,5		415,328 337,900
2014		46,657	0	21,54	3	91,705	15	9,905		525,874	2,506,3	80	262,283
2015 2016		39,674	0	30,370 8,028		83,679		3,723		470,469	2,976,8		212,295
2017		35,980 32,798	0			67,009 50,321		1,017 3,119		389,535 293,116	3,366,3 3,659,5		159,483 108,600
2018		25,595	0		)	38,259	6	3,854		222,339	3,881,8		74,558
2019 2020		20,757 19,404	0	8,920		29,632 23,151		9,309 2,555		162,255 130,417	4,044,0 4,174,5		49,266 35,830
2021		14,299	ŏ			18,216		2,515		103, 453	4,277,9		25,725
Sub-Total Remainder Total Futur	·e	443,413 87,835 531,248	0 0 0	1,141,746 59,393 1,201,139	3	05,973 60,014 65,987	20	1,132 7,242 8,374		277,964 235,252 513,216	4,513,2	16	2,078,818 48,308 2,127,126
	_	,	J	_,,	. ,	, /01	2,07	-,	7,	,			_,,

THESE DATA ARE PART OF A RYDER SCOTT REPORT AND ARE SUBJECT TO THE CONDITIONS IN THE TEXT OF THE REPORT.



GRAND SUMMARY

TOTAL PROVED RESERVES

203,642 42,619 246,261

Sub-Total

Remainder Total Future TOTAL PROVED

TO	TAL PRO	VED RESER	RVES							PF	ROVED		
			REV	ENUE INTI	ERESTS		Р	RODUCT	PRIC	ES		ISCOU	NTED
		EXPENSE	Oil/	Plant	0-		Oil/Cond.	Plt. Pr		Gas \$/MCF	FUTU		INCOME - \$M MONTHLY
INITIAL	-	INTEREST	Condensate	Products	_ Gas	<u> </u>	\$/bbl.	\$/bb	<u> </u>	\$/NICF	10.00% ·		1,147,036
FINAL											12.00%		,023,160
REMARKS											15.00% · 20.00% ·		867,028
											25.00%		666,696 519,494
		ESTIM	ATED 8/8 TI	HS PRODU	ICTION		С	OMPANY	NET S	SALES		VERAG	E PRICES
	Number	Oil/Cond		Products	Gas MMCF		Oil/Cond.	Plant F			ias C	il/Cond.	Gas \$/MCF
<u>Period</u> <b>2007</b>	of Wells _	Barrels 1,214,2		rrels _	5,366	5	Barrels <b>1,161,62</b> 9		rrels 0	MMC	<u> </u>	\$/bbl. 65.00	0,00
2008	14	2,946,3		ŏ	12,20		2,795,050		ŏ		ŏ	60.50	0.00
2009	21	6,300,9		5,893	33,058		5,868,291	1,514	4,246		1, 297	50.00	1.98
2010 2011	22 27	6,825,1 6,345,3		7,883 4,732	41,330 41,575		5,950,224 5,436,199		2,793 4,611		3,255 7,870	50.00 50.00	1.98 1.98
2012	31	7,835,6	593 2.87	1,578	58,642		6,573,497		9,015	39	,858	50.00	1.98
2013	31	5,885,9	903 2,42	1,843	48,673	3	4,811,504	1,979	9,768	32	2,233	50.00	1.98
2014	27	4,085,3		0,099	36,558		3,388,068		4,302		1,367	50.00	1.98
2015 2016	27 27	3,010,8 2,295,8		2,672 6,382	28,707 23,024		2,557,723 1,979,803		1,035 1,682		7,509 5,832	50.00	1.98 1.98
2017	27	1,786,5		2,580	18,640		1,549,829		2,376		2,862	50.00	1.98
2018	27	1,425,2	233 81	3,090	15,19	5	1,238,298	700	5,444	10	, 465	50.00	1.98
2019	27	1,160,2		3,037	12,403		1,013,312		7,785		3,576	50.00	1.98
2020 2021	27 27	959,6 802,8		7,870 5,871	10,144 8,072		842,370 705,089		9,710 1,600		7,028 5,596	50.00 50.00	1.98 1.98
Sub-Total		52,880,2	247 19,07	3 530	393,592	<b>2</b> 4	5,870,886	16,34	5 367	254	5,748	51.02	1,98
Remainder		3,443,9		6,899	24,488		3,047,625		0,763		7,026	50.00	1.98
Total Future		56,324,1			418,080		8,918,511		5,130	273	3,774	50.96	1.98
Cumulative		5,471,4	456	0	11,586	5							
Ultimate		61,795,6	505 20,51	0,429	429,666	5							
			COMPANY	FUTURE (	GROSS RE	EVENUE (	FGR) - \$M			ROY	ALTY		R AFTER
Period	F Oil	rom /Cond.	From Plant Produ	ıcts	From Gas	0	ther	Total		Oil/Cond \$M	Gas/P.P :	-	AXES-\$M
2007		75,506		0	0		0	75,5		2,287		Ď	73,219
2008		169,100		Ō	Ō		0	169,1	100	6,300	(	0	162,800
2009		293,415	45,4		48,164		0	387,0		13, 122	3,32	2	370,562
2010 2011		297,511 271,810	54,0 53,8		56,008 55,247		0	407,6 380,8		13,460 12,226	3,920 3,97		390,223 364,693
2012		328,675	72,2		78,991		ŏ	479,9		15, 100	5,46		459,375
2013		240,575	59,3		63,893		0	363,8		10,572	4,30		348,983
2014 2015		169,404 127,886	46,0 37,5	29 21	48,307 38,673		0	263,7 204,0		6,842 4,643	3,28 <sup>6</sup> 2,65		253,609 196,794
2016		98,990	30,9		31,379		ŏ	161,3		3,147	2,16		156,006
2017		77,492	25,5	71	25,488		0	128,	551	2,396	1,77	3	124, 382
2018		61,914	21,1	93	20,753		0	103,8		1,855	1,45		100,551
2019 2020		50,666 42,119	17,6 14,6		16,988 13,938		0	85,2 70,7		1,465 1,167	1,20 99		82,623 68,591
2021		35,254	11,7		11,089		ŏ	58,0		919	79		56,382
Sub-Total	2	,340,317	490,3	61	508,918		0	3,339,5	596	95,501	35,30	2 3	3,208,793
Remainder		152,381	38,1	23	33,755		0	224,2	259	3,970	2,47	3	217,816
Total Future	. 2	,492,698	528,4	84	542,673		0	3,563,8	855	99,471	37,77	5 3	3,426,609
				DEDUCTION	ONS - \$M				FUTI	JRE NET INCO	ME BEFOR	E INCO	ME TAXES-\$M
	Oper	ating		Develop	ment					Undiscou			Discounted
Period <b>2007</b>	Co		Other Taxes 0	Cos	ts <u>Tra</u> , <b>538</b>	ansportation 7,644				Annual -58,204	Cumulative _E9 30		10.00 %
2007		8,241 9,106	Ö		, 336 , 145	18,391		1,423 4,642		-36,204 -11,842	-58,20 -70,04		-57,069 -10,524
2009		17,896	ŏ		,910	50,576		3,382		207,180	137,13		168,541
2010		18,992	0		,364	53,394		7,750		242,473	379,60		180,477
2011 2012		19,173 25,000	0		, 286 , 487	49,948 62,285		.1,407 18,772		253,286 320,603	632,893 953,496		169,822 194,228
2012		23,000	ŏ		864	47,300		1,255		277,728	1,231,22		153,372
2014		17,432	0		961	34,414	5	2,807		200,802	1,432,02	5	100,305
2015		12,720	0		571	26,713		0,004		156,790	1,588,81		70,873
2016 2017		10,893 10,825	0		,573 0	21,178 16,931	3	15,644 17,756		120,362	1,709,178		49,254 35,781
2017		8,973	Ö		ŏ	13,729	2	2,702		96,626 77,849	1,805,80 1,883,65		26,093
2019		7,719	0	3,	,970	11,311	2	3,000		59,623	1,943,27	5	18,095
2020		7,671	0		0	9,412		7,083		51,508	1,994,78		14, 144
2021		5,910	0		0	7,733	1	.3,643		42,739	2,037,52	3	10,626

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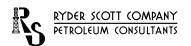
1,171,270 99,142 1,270,412 2,037,523 118,674 2,156,197

2,156,197

1,124,018 23,018 1,147,036

430,959 30,092 461,051

536,669 26,431 563,100



GRAND SUMMARY

PROVED PRODUCING PRODUCING

T	OTAL PR	oved produ	JCING							PR	ODUCING		
			REV	ENUE INTE	RESTS		F	PRODUCT	PRICE	ES		DISCOU	NTED
INITIAL		EXPENSE INTEREST	Oil/ Condensate	Plant Products	_ Gas		Oil/Cond. \$/bbl.	Plt. Pr \$/bbl	od. I.	Gas \$/MCF	FUT COMPOUI 10.00%	NDED	INCOME - \$M MONTHLY 189,653
FINAL REMARKS											12.00% 15.00% 20.00% 25.00%	_	175,077 156,957 133,970 117,072
		ESTIM	ATED 8/8 TI	HS PRODU	CTION		С	OMPANY	NET S	SALES		AVERAG	E PRICES
Period	Number of Wells	Oil/Cond Barrels	l. Plant F	Products	Gas MMCF		Oil/Cond. Barrels	Plant P			as	Oil/Cond. \$/bbl.	Gas \$/MCF
2007	10	863,4	477	0	4,737		826,05	5	0	IVIIVICI	0	65.00	0.00
2008 2009	7 7	1,233,9 980,0		0 6,315	2,588 2,294		1,170,590 912,749		0 4,894	1	,662	60.50 50.00	0.00 1.99
2010 2011	7 7	815,3	300 14	9,818	2,066	)	710,782	2 130	612	1	,401	50.00	1.99 1.99
2011	7	697,2 607,7	738 12	5,915 3,792	1,878 1,707	,	597,357 509,839	9 103	5,443 3,851		,248 ,115	50.00 50.00	1.99
2013 2014	7 7	535,2 473,3		2,941 3,108	1,559 1,421		437,545 392,572		2,325 5,507		990 917	50.00 50.00	1.99 1.99
2015	7	419,8	397 9	4,166	1,301		356,700	79	9,995		859	50.00	1.99
2016 2017	7 7	373,2 322,1		6,036 8,645	1,186 1,084		321,890 279,467		4,193 3,222		795 732	50.00 50.00	1.99 1.99
2018	7	287,1	L71 7	1,914	993	}	249,504	4 62	2,482		670	50.00	1.99
2019 2020	7 7	256,3 229,0		5,789 0,212	908 832		223,858 201,067		7,455 2,857		616 567	50.00 50.00	1.99 1.99
2021	7	203,1		7,304	514		178,442		2,764		352	50.00	1.99
Sub-Total Remainder Total Future	e	8,297,4 1,005,0 9,302,4	)59 9	5,955 0,516 6,471	25,068 1,248 26,316	}	7,368,423 890,296 3,258,719	5 8C	, 103		,924 861 ,785	53.35 50.00 52.99	1.99 1.99 1.99
Cumulative Ultimate		5,001,1 14,303,5	108 591 1,37	0 6, <i>4</i> 71	10,392 36,708								
			COMPANY			VENUE (F	FGR) - \$M			ROYA	ALTY		R AFTER ODUCTION
Period	0	From il/Cond.	From <u>Plant Produ</u>		From Gas	Oth	ner	Total		Oil/Cond \$M	Gas/P.P.	-	AXES-\$M
2007 2008		53,694 70,820		0	0		0	53,6 70,8		1,626 2,639		0	52,068
2009		45,638	4,6	47	3,300		0	53,5	585	2,037		74	68,181 51,270
2010 2011		35,539 29,868	3,9 3,4		2,782 2,480		0	42,2 35,8		1,608 1,342		31 12	40,400 34,287
2012		25, 492	3,1	16	2,212		0	30,8	320	1,172	18	86	29,462
2013 2014		21,877 19,629	2,7 2,5		1,967 1.821		0	26,6 24,0		963 793		61 48	25,490 23,074
2015		17,834	2,4	00	1,704		0	21,9	738	649	1:	39	21,150
2016 2017		16,095 13,974	2,2 2,0		1,580 1,454		0	19,9 17,4		512 432		29 18	19,260 16,924
2018		12,475	1,8	75	1,330		0	15,6	680	374	10	09	15, 197
2019 2020		11,193 10,053	1,7 1,5		1,224 1,126		0	14,1 12,7		324 278		99 92	13,717 12,395
2021		8,922		83	698		0	10,6		233	;	57	10,313
Sub-Total Remainder		393, 103 44, 515	33,3 2,4		23,678 1,713		0	450,1 48,6		14,986 1,160	1,9	55 39	433,188 47,332
Total Future	е	437,618	35,7		25,391		ŏ	498,7		16,146	2,0		480,520
				DEDUCTION	ONS - \$M				FUTL	JRE NET INCO			
Period	Op	erating Costs	Other Taxes	Develop Cost	ment ts Tra	nsportation	То	tal		Undiscour Annual	ted Cumulative		Discounted
2007		6,642	0	13,	514	5,435	- 2	25,591		26.477	26,4	77	25,897
2008 2009		3,857 2,796	0		769 209	7,703 7,229		30,329 20,234		37,852 31,036	64,3 95,3		34,468 25,515
2010		1,952	0	10,	247	5,709		17, 908		22,492	117,8	57	16,749
2011 2012		1,904 1,636	0		431 544	4,851 4,175		7,186 6,355		27,101 23,107	144,9 168,0		18,224 14,066
2013 2014		1,600 1,576	0		129 142	3,608 3,259		5,337 4,977		20,153 18,097	188,2 206,3	18	11,104 9,026
2015		1,359	0		85	2,979		4,423		16,727	223,0	42	7,552
2016 2017		1,341 1,468	0		526 0	2,704 2,378		4,571 3,846		14,689 13,078	237,73 250,8		6,005 4,838
2018		1,353	0		0	2,135		3,488		11,709	262,5	18	3,922
2019 2020		1,278 1,382	0		583 0	1,927 1,741		3,788 3,123		9,929 9,272	272,4 281,7		3,011 2,544
2021		1,078	Ō		Ō	1,433		2,511		7,802	289,5		1,941

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143,667 19,649 163,316 289,521 27,683 317,204

317,204

184,862 4,791 189,653

57,266 6,491 63,757

55,179 3,886 59,065

31,222 9,272 40,494

Sub-Total

Remainder Total Future

154,415 2,487 156,902

256,144



# ZHAIKMUNAI LLP ESTIMATED FUTURE RESERVES AND INCOME ATTRIBUTABLE TO TERMS OF THE PRODUCTION SHARING AGREEMENT BETWEEN THE REPUBLIC OF KAZAKHSTAN AND ZHAIKMUNAI LLP AS OF JULY 1, 2007

GRAND SUMMARY

TOTAL PROVED NON-PRODUCING

PROVED

TO	TAL PR	OVED NON-F	PRODUCING								N-PRODUCI	NG	
			REV	ENUE INTE	RESTS		F	PRODUCT	PRICE	ES	ı	DISCOU	NTED
		EXPENSE INTEREST	Oil/ Condensate	Plant Products	Gas		Oil/Cond. \$/bbl.	Plt. Pr \$/bb	od.	Gas \$/MCF	FUTI		INCOME - \$M <b>MONTHLY</b>
INITIAL		INTEREST	Ooriderisate	11000003			ψ/ υυι.		·	ψ/ΝΟΙ	10.00%	-	156,902
FINAL REMARKS											12.00% 15.00%		144,277 128,111
											20.00%	_	106,780
							_				25.00%		90,463
	Number	Oil/Cond		HS PRODU	Gas		Oil/Cond.	OMPANY Plant F	NET S Product			AVERAC Oil/Cond.	Gas
Period	of Wells	Barrels	Ba	rrels	MMCF		Barrels	Baı	rrels	MMC	<u> </u>	\$/bbl.	\$/MCF
2007 2008	4 4	267,2 873,8		0	494 1,699		255,669 829,016		0		0	65.00 60.50	0.00 0.00
2009	5	1,173,2	284 24	1,260	4,198	1	1,092,71	2 224	4,693		,034	50.00	1.98
2010 2011	5 5	940,5 714.6		2,622 9,003	4,060 3,470		819,940 612,23		1,520 9,056		2,747 2,309	50.00 50.00	1.98 1.98
2012	5	555,0	057 18	1,161	2,990		465,65	1 15:	1,982	1	.,949	50.00	1.98
2013 2014	5 4	422,9 329,1		7,078 6,852	2,568 2,219		345,75 272,94		3,404 3,491		.,630 .,428	50.00 50.00	1.98 1.98
2015	4	267,6	523 11	9,946	1,930		227,34	B 101	1,896		.,274	50.00	1.98
2016 2017	4 4	219,9 182,6	980 10	5,360 2,728	1,684 1,471		189,69		0,857 0,439	1	,128 992	50.00 50.00	1.98 1.98
2018	4	152,9		1,476	1,285		158,473 132,890		0,791		866	50.00	1.98
2019	4	126,9	997 6	8,668	1,083		110,91		9,970		736	50.00	1.98
2020 2021	4 4	106,4 90,4		7,161 7, <b>634</b>	900 749		93,402 79,452		0,174 1,837		613 512	50.00 50.00	1.98 1.98
Sub-Total		6,423,7		0,949	30,800		5,686,09		5, 110		,218	52.21	1.98
Remainder Total Future		344,2 6,768,0		3,072 4,021	2,614 33,414		304,440 5,990,53		3,059 3,169		.,795 .,013	50.00 52.09	1.98 1.98
Cumulative		470.3		0	1,194		., ,		-,		.,0_0		2.72
Ultimate		7,238,4		4,021	34,608								
			COMPANY	FUTURE G	ROSS REV	/ENUE (I	FGR) - \$M			ROY	ALTY		R AFTER
Period	0	From il/Cond.	From Plant Prod	ucts F	rom Gas	Ot	her	Total		Oil/Cond \$M	Gas/P.P	-	ODUCTION AXES-\$M
2007		16,618		0	0		0	16,6	518	503		0	16,115
2008 2009		50, 156 54, 635	6,7	0 41	0 6,015		0	50,1 67,3	156 201	1,869 2,443	44	0	48,287 64,501
2010		40,997	6,3	45	5,445		0	52,7	787	1,855	41	.4	50,518
2011 2012		30,612 23,283	5,3 4,5		4,578 3,857		0	40,5 31,7		1,377 1,070	35 29		38,828 30,332
2013		17,287	3,8	52	3,232		0	24,3	371	<b>759</b>	24	3	23,369
2014 2015		13,648 11,367	3,4 3,0		2,832 2,526		0	19,8 16,9		551 413	21 19		19,119 16,346
2016		9,485	2,7		2,235		ŏ	14,4		302	17		13,974
2017 2018		7,923 6,645	2,4 2,1		1,966 1,719		0	12,3 10,4		244 200	14 13		11,909 10,156
2019		5,545	1,7		1,454		ŏ	8,7		160	11		8,527
2020 2021		4,671	1,5 1,2		1,217 1,015		0		393	129 104		13 '8	7,171
		3,972	•					6,2					6,060
Sub-Total Remainder		296,844 15,223	45,1 4,5		38,091 3,557		0	380,0 23,3		11,979 <b>3</b> 96	2,89 27		365,212 22,699
Total Future		312,067	49,7		41,648		Ō	403,4		12,375	3,17		387,911
				DEDUCTIO	NS - \$M				FUTL	JRE NET INCO	ME BEFOR	RE INCO	ME TAXES-\$M
Period	Ope	erating osts	Other Taxes	Developi	ment	sportation	т.	otal .		Undiscou Annual			Discounted %
2007		1,251	Cirier raxes			1,682		18,809		-2,694	<b>-2,69</b>		-2,811
2008		2,731	C	14,	872	5,455		23,058		25,229	22,53		22,994
2009 2010		3,522 2,457	Č		089 119	8,965 7,067		20,576 17,643		43,925 32,875	66,46 99,33	15 15	36,038 24,479
2011		2,173	C	)	341	5,443		7,957		30,871	130,20	6	20,773
2012 2013		1,694 1,467	0		432 102	4,264 3,290		6,390 4,859		23,942 18,510	154,14 172,65		14,586 10,212
2014		1,306	C	)	113	2,692		4,111		15,008	187,66	6	7,491
2015 2016		1,050 971	0		68 424	2,301 1,966		3,419 3,361		12,927 10,613	200,59 211,20		5,839 4,341
2017		1,032	C	)	0	1,678		2,710		9, 199	220,40	5	3,404
2018 2019		902 793	0		0 471	1,434 1,204		2,336 2,468		7,820 6,059	228,22 234,28		2,621 1,839
2020		798	C	)	0	1,011		1,809		5,362	239,64	6	1,472
2021		633	C	1	0	853		1,486		4,574	244,22	:O	1,137

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49,305

3,212 52,517

244,220

11,924 256,144

120,992 10,775 131,767

48,907 3,139 52,046

0

0

22,780

4,424 27,204

Sub-Total Remainder Total Future



GRAND SUMMARY

Sub-Total

Remainder Total Future

149,639

28,923 178,562

TOTAL PROVED LINDEVELOPED

PROVED

то	TAL PRO	OVED UNDEV	/ELOPED								DEVELOPED		
			REV	ENUE INT	ERESTS		Р	RODUCT	PRICE	S	D	scou	NTED
		EXPENSE INTEREST	Oil/ Condensate	Plant Products	s_ Ga	ıs _	Oil/Cond. \$/bbl.	Plt. Pr \$/bb	rod. ol	Gas \$/MCF	FUTUI COMPOUND	RE NET	INCOME - \$M MONTHLY
INITIAL FINAL REMARKS											10.00% - 12.00% - 15.00% - 20.00% - 25.00% -	•	800,481 703,806 581,961 425,947 311,959
		ESTIMA	ATED 8/8 T	HS PRODI	JCTION		C	OMPANY	NET S	ALES	A	VERAG	E PRICES
Period (	Number of Wells	Oil/Cond Barrels	. Plant	Products trels	Gas MMCF		Oil/Cond. Barrels	Plant F	Products	Sales G MMCI	as Oi	l/Cond. \$/bbl.	Gas \$/MCF
2007	1	83,5	528	0	13		79,909		0		0	65.00	0.00
2008 2009	3 9	838,4 4,147,6		0 18,318	7,91 26.56		795,444 3,862,830		0 4,659	19	0 0,601	60.50 50.00	0.00 1.98
2010	10	5,069,3	60 1,67	75,443	35,20		4,419,502	1,460	0,661	24	, 107	50.00	1.98
2011 2012	15 19	4,933,4 6,672,8		19,814 66,625	36,22 53,94		4,226,607 5,598,007		9,112 3,182		, 313 , 794	50.00 50.00	1.98 1.98
2013	19	4,927,6	96 2,15	1,824	44,54	6	4,028,204	1,75	9,039	29	,613	50.00	1.98
2014 2015	16 16	3,282,9 2,323,3		10,139 58,560	32,91 25,47		2,722,553 1,973,675		5,304 9,144		2,022 2,376	50.00 50.00	1.98 1.98
2016	16	1,702,6	08 1,00	986	20, 15	4	1,468,216	866	6,632	13	, 909	50.00	1.98
2017 2018	16 16	1,281,7 985,1		l1,207 59,700	16,08 12,91		1,111,889 855,898		3,715 3,171		., 138 3, 929	50.00 50.00	1.98 1.98
2019	16	776,9	<b>755</b> 53	38,580	10,41	2	678,542		0,360		, 224	50.00	1.98
2020 2021	16 16	624, 1 509, 1		10,497 50,933	8,41 6,80		547,901 447,195	. 38 <i>6</i>	6,679 6,999		5,848 1,732	50.00 50.00	1.98 1.98
Sub-Total Remainder		38,159,0 2,094,5	550 1,17	16,626 73,311	337,72 20,62	6	32,816,372 1,852,881	1,03	7,601	14	, 606 1, 370	50.29 50.00	1.98 1.98
Total Future  Cumulative		40,253,5	95 17,21 0	19,937 0	358,35	0 0	34,669,253	14,766	6,258	239	9,976	50.28	1.98
Ultimate		40,253,5	95 17,21	19,937	358,35	Ō				DOV	A 1 TV		ND AFTED
		F		FUTURE		EVENUE	(FGR) - \$M			- ROYA	ALTY		R AFTER ODUCTION
<u>Period</u>	Oi	From I/Cond.	From Plant Prod	ucts	From Gas		Other	Total		Oil/Cond \$M	Gas/P.P \$	T	AXES-\$M
2007		5,194		0	0		0		194	157	0		5,037
2008 2009		48,124 193,142	34,0	0 )40	0 38,849		0	48,1 266,0		1,793 8,638	2,602		46,331 254,791
2010		220,975	43,8	320	47,781		0	312,	576	9,998	3,274		299,304
2011 2012		211,331 279,900	44,9 64.5		48,189 72,921		0	304,4 417,4		9,506 12,858	3,408 4,976		291,579 399,583
2013		201,410	52,7		58,695		0	312,8	876	8,850	3,903		300,123
2014 2015		136,128 98,683	40,0 32,0		43,653 34,444		0	219,8 165,2		5,497 3,582	2,927 2,323		211,416 159,296
2016		73,411	25,9	999	27,563		0	126,	973	2,334	1,868		122,771
2017 2018		55,595 42,795	21,1 17,1		22,069 17,704		0	98,7 77,6		1,718 1,282	1,505 1,215		95,552 75,198
2019		33,927	14,1	L10	14,310		Ö	62,	347	982	<b>9</b> 88		60,377
2020 2021		27,395 22,360	11,6 9,5		11,596 9,376		0	50,! 41,:		758 583	806 655		49,028 40,008
Sub-Total	1	1.650,370	411,8		447,150		0	2,509.3		68,536	30,450		2,410,394
Remainder Total Future		92,643 1,743,013	31,1 442,9	L28	28,483 475,633		0	152,3 2,661,6	254	2,413 70,949	2,057 32,507		147,784 2,558,178
				DEDUCT	IONS - \$M				FUTU				ME TAXES-\$M
Period	Ope	erating osts	Other Taxes	Develo Co:		ansportatio	on Tot	al	Δ	Undiscour Innual	nted Cumulative	_	Discounted 10,00 %
2007		347	(	86	,148	52	6 8	7,021		-81,984	-81,984		-80,155
2008 2009		2,518 11,579	(		,505 ,611	5,23 34,38		1,257 2,571		-74,926 132,220	-156,910 -24,690		-67,987 106,989
2010		14,582	(	) 56	,999	40,62	0 11	2,201		187,103	162,413		139,249
2011 2012		15,097 21,670	(		,513 ,511	39,65 53,84		6,264		195,315 273,557	357,728 631,285		130,824 165,577
2012 2013		20,023	(		633	40,40		1,058		239,065	870,350		132,056
2014		14,552	9		705	28,46	3 4	3,720		167,696	1,038,046		83,788
2015 2016		10,310 8,580	(		,623	21,43 16,50		2,162 7,710		127,134 95,061	1,165,180 1,260,241		57,481 38,908
2017		8,326	(	)	0	12.87	6 2	1,202		74,350	1,334,591		27,539
2018 2019		6,718 5,648	(		0 ,915	10, 16 8, 18	υ <u>1</u> 0 1	6,878 6,743		58,320 43,634	1,392,911 1,436,545		19,551 13,246
2020		5,491	(	)	0	6,66	0 1	2,151		36,877	1,473,422		10,128
2021		4,198	C	)	0	5,44	1	9,645		30,363	1,503,785	1	7,547

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906,609 68,718 975,327

1,582,851

1,503,785

79,066 1,582,851

784,741 15,740 800,481

324,388

20,389 344,777

432,582 19,406 451,988

000



3,996,376

4,499,845

503,469

Sub-Total

Sul

Total Future

857,367

945,534

982,002

88,977 1,070,979

### ZHAIKMUNAI LLP ESTIMATED FUTURE RESERVES AND INCOME ATTRIBUTABLE TO TERMS OF THE PRODUCTION SHARING AGREEMENT BETWEEN THE REPUBLIC OF KAZAKHSTAN AND ZHAIKMUNAI LLP AS OF JULY 1, 2007

GRAND SUMMARY

TOTAL PROBABLE TOTAL PROBABLE PROBABLE

**REVENUE INTERESTS** PRODUCT PRICES DISCOUNTED FUTURE NET INCOME - \$M MONTHLY COMPOUNDED 10.00% -Condensate Products INITIAL 1,766,030 FINAL 1,512,053 1,202,491 825,785 12.00% REMARKS 15.00% -20.00% 25.00% 567.127 AVERAGE PRICES **ESTIMATED 8/8 THS PRODUCTION COMPANY NET SALES** Oil/Cond. Plant Products Oil/Cond. Plant Products Sales Gas MMCF Oil/Cond. Number of Wells Gas \$/MCF Period Barrels Barrels Barrels Barrels \$/bbl. 2007 0.00 0.00 2008 2009 60.50 50.00 523,547 O 725 502,763 Λ O 0.00 3,167,186 6,977,467 800,333 2,014,285 18,228 42,558 14,219 758.846 3,003,007 6,551,788 1.98 11 2010 26 1,891,399 32,984 50.00 35 36 41 10,374,224 9,717,756 9,359,194 54,864 54,102 63,187 2011 12, 183, 866 3,690,830 78,750 3,142,638 50.00 1.98 11,754,948 11,394,514 3,723,324 4,197,420 80,617 93,106 3,078,054 2012 50.00 1.98 2013 3,447,663 50.00 1.98 42 45 45 10, 103, 889 9, 593, 701 7, 798, 149 8,346,106 8,107,440 6,646,016 3,164,400 3,091,470 2,660,426 2014 3,830,853 82,691 55,640 50.00 1.98 78,339 66,433 52,779 42,120 33,711 3,658,203 2015 53,271 50.00 1.98 2016 3,121,632 45,341 50.00 1.98 45 45 45 2,498,398 2,010,693 1,623,901 36,205 28,932 23,258 2017 5,938,913 5,100,200 2,145,570 50.00 1.98 4,645,367 3,724,019 4,003,115 3,229,427 1,732,698 1,408,231 1.98 2018 50.00 2019 50.00 1.98 26,865 1,138,886 918,631 2020 45 3,048,152 1,305,936 2,658,252 18,607 50.00 1.98 2,544,002 2021 1.051.443 21,440 2,222,641 14,850 50.00 1.98 1.98 Sub-Total 93,397,720 33,527,251 718,362 79,821,929 28,578,912 495,460 50.07 11,388,100 104,785,820 3,326,916 36,854,167 64,312 782,674 10,069,385 89,891,314 2,938,883 31,517,795 50.00 50.06 1.98 1.98 Remainder 44.892 Total Future 540,352 Cumulative 104,785,820 36,854,167 782,674 Ultimate COMPANY FUTURE GROSS REVENUE (FGR) - \$M ROYALTY **FGR AFTER** PRODUCTION From From Plant Products TAXES-\$M Oil/Cond Gas/P.P. - \$ Period Total Oil/Cond. - \$M 2007 O 0 0 0 0 0 0 0 2008 30,417 ō 30,417 813 29,604 0 150,151 327,589 518,711 201,100 449,705 721,730 2009 22,765 28,184 5,607 1,798 193,695 4,384 7,715 7,606 8,924 7,857 65,374 108,739 56,742 94,280 14,878 26,712 430,443 2010 0 ŏ 2011 24,852 23,773 20,693 2012 485,888 92,341 107,233 685, 462 653,004 103,430 94,932 696,628 622,513 467,960 417,305 125,238 0 663,931 593,963 2013 2014 110,276 92,744 79,813 2015 405,372 105,587 603,703 19,889 7,513 576,301 501, 971 391, 140 89,857 71,763 57,344 2016 332,301 255,010 0 15,381 6,279 4,970 480,311 374,898 2017 64,367 11,272 309,481 249,818 203,955 3,902 3,089 2,481 2018 200,156 51,981 8,326 297,253 42,247 34,166 2019 2020 161,471 132,912 46,100 36,877 6,394 4,894 240,335 196,580 0 ŏ 2021 111,133 27,559 29,430 Ō 168, 122 3,754 1,990 162,378

_		D	EDUCTIONS -	\$M		FUTURE NET INC	OME BEFORE II	NCOME TAXES
	Operating		Development			Undisco	ounted	Discounted
Period	Costs	Other Taxes	Costs	Transportation	Total	Annual	Cumulative	@ 10.00 °
2007	0	0	80,034	0	80,034	-80,034	-80,034	-78,391
2008	2,213	0	186,352	3,308	191,873	-162,269	-242,303	-146,283
2009	11,339	0	154,215	25,755	191,309	2,386	-239, 917	1,343
2010	20,950	0	158,472	58,053	237,475	192,968	-46,949	141,363
2011	36,312	0	82,040	93,089	211,441	475,862	428,913	318,586
2012	36,273	0	21,254	88,259	145,786	507,218	936, 131	309,140
2013	41,827	0	54,428	88,820	185,075	478,856	1,414,987	263,111
2014	40,346	0	20,939	79,917	141,202	452,761	1,867,748	225,623
2015	36,565	0	30,035	77,769	144,369	431,932	2,299,680	194,774
2016	34,568	0	7,227	64,748	106,543	373,768	2,673,448	152,955
2017	32,682	0	. 0	50,510	83,192	291,706	2,965,154	108,024
2018	26,585	0	0	40,028	66,613	230,640	3, 195, 794	77,298
2019	22,516	0	8,031	32,375	62,922	177,413	3,373,207	53,830
2020	22,055	0	. 0	26,489	48,544	148,036	3,521,243	40,644
2021	17,081	0	0	21,882	38,963	123,415	3,644,658	30,666
Total	381,312	0	803,027	751,002	1,935,341	3,644,658		1,692,683
inder	130,397	0	53,469	89,473	273,339	386,088	4,030,746	73,347
Future	511,709	0	856,496	840,475	2,208,680	4,030,746	, ,	1,766,030

0

ō

5,835,745

6,516,358

680,613

187,238

202,267

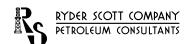
68,508

74,665

5,579,999

659,427 6,239,426

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GRAND SUMMARY

PROBABLE NON-PRODUCING

PROBABLE NON-PRODUCING

P	ROBABLE	NON-PRODU	CING					NOI	N-PRODUCII	NG	
			REVENU	E INTERESTS		P	RODUCT PRICE	S	D	ISCOU	ITED
INITIAL FINAL REMARKS		EXPENSE INTEREST	Oil/ I Condensate Pr	Plant roducts Gi	as Oil/	Cond. /bbl.	Plt. Prod. \$/bbl.	Gas \$/MCF	FUTU COMPOUNI 10.00% - 12.00% - 15.00% - 20.00% - 25.00% -	DED - - -	MONTHLY 439,385 373,422 295,616 204,948 145,298
		ESTIMA	ATED 8/8 THS P	RODUCTION		C	OMPANY NET S	ALES	4	VERAG	E PRICES
D. d. d.	Number	Oil/Cond		icts Gas		I/Cond.	Plant Products		is 0	il/Cond.	Gas
Period <b>2007</b>	of Wells	Barrels	Barrels  O		<u> </u>	arrels 0	Barrels 0	MMCF	0 -	\$/bbl. 0,00	\$/MCF 0,00
2008	1	142,2	268	0 8	37 :	136,620			0	60.50	0.00
2009	1 1	699,7				663,467	29,574 66,551		317 714	50.00	1.98 1.98
2010 2011	i	1,590,0 2,632,4				493,008 241,468	99,914	1	.072	50.00	1, 98
2012	1	3,200,0	000 142,64	40 1,96	8 2,6	645,424	117,920		265	50.00	1.98
2013 2014	1 1	3,200,0 2,912,0				628,406 405,396	117,162 107,221		,257 ,150	50.00	1.98 1.98
2015	i	2,649,9				239,395			,071	50.00	1.98
2016	1	2,411,4	127 107,48		3 2,0	055,150	91,608		982	50.00	1.98
2017 2018	1 1	2,194,3 1,996,9				884,500 720,817	84,002 76,706		901 823	50.00	1.98 1.98
2019	ī	1,817,1				575,840			754	50.00	1.98
2020 2021	1 1	1,653,6 1,504,8	35 73,71	l1 1,01		442,111 314,725			689 629	50.00 50.00	1.98 1.98
Sub-Total Remainder		28,604,7 8,135,2				446,327	1,083,610 320,534		,624 ,438	50.06 50.00	1.98 1.98
Total Future	e	36,740,0				190,859 637,186	1,404,144		,062	50.05	1.98
Cumulative Ultimate		36,740,0	0 X01 1,631,3	0 51 22,59	0 95						
			COMPANY FUT	URE GROSS R	EVENUE (FG	iR) - \$M		ROYA	LTY		R AFTER DUCTION
Period	0	From il/Cond.	From Plant Products	From Gas	Other	r	Total	Oil/Cond \$M	Gas/P.P 9	_	AXES-\$M
2007		0	0			0	0	0			0
2008 2009		8,266	0 887	629		0	8,266	221 1,239	5:		8,045 33,399
2010		33,173 74,650	1,997	1.415		ŏ	34,689 78,062	3,390	118		74,554
2011		112,074	2,997	2,124		0	117,195	5,771	188		111,236
2012 2013		132,271 131,420	3,538 3,515	2,507 2,491		0	138,316 137,426	6,766 6,676	222 225		131,328 130,525
2014		120,270	3,216	2,280		ŏ	125,766	5,964	203		119,599
2015		111,970	2,995	2,122		0	117,087	5,494	187		111,406
2016 2017		102,757 94,225	2,748 2,520	1,948 1,786		0	107,453 98,531	4,756 4,165	167 152		102,530 94,214
2018		86,041	2,301	1,631	L	0	89,973	3,579	136	5	86,258
2019 2020		78,792 72,106	2,108	1,493 1,367		0	82,393 75,401	3,120 3,455	122 111		79,151
2021		65,736	1,928 1,758	1,246		ŏ	68,740	2,655 2,220	102		72,635 66,418
Sub-Total Remainder		1,223,751 359,543	32,508 9,616	23,039 6,815		0	1,279,298 375,974	56,016 10,701	1,984 556		,221,298 364,717
Total Future	е	1,583,294	42,124	29,854		0	1,655,272	66,717	2,540	) 1	,586,015
				DUCTIONS - \$M	l		FUTU	IRE NET INCO			ME TAXES-\$N
Period	Op	erating osts	Other Taxes	Development Costs T	ransportation	Tota		nnual	Cumulative		10.00 %
2007	-	0	0	8,900	0		8,900	-8,900	-8,900		-8,717
2008 2009		411 1,715	0	20,690 21,590	899 4,599	2	2,000 7,904	-13,955 5,495	-22,855 -17,360	)	-12,407 4,705
2010		3,643	0	15,060	10,350	2	9,053	45,501	28,14	L	33,879
2011		5,572 6,875	0	15,060 8 530	15,538 18,339		6,170 3 744	75,066 97,584	103,207		50,527 50 301
2012 2013		6,875 8,266	0	8,530 0	18,339		3,744 6,486	104,039	200,791 304,830		59,391 57,265
2014		8,240	0	101	16,675	2	5,016	94,583	399,413	3	47,129
2015 2016		7,202 7,167	0	85 1,822	15,523 14,247	2	2,810 3,236	88,596 79,294	488,009 567,303		39,960 32,381
2017		8,210	0	0	13,064	2	1,274	72,940	640,243		26,962
2018		7,708	0	0	11,929	1	9,637	66,621	706,864	4	22,291
2019 2020		7,407 8,142	0	2,025 0	10,924 9,996		0,356 8,138	58,795 54,497	765,659 820,156		17,810 14,941
2021		6,980	ŏ	ŏ	9,114		6,094	50,324	870,480		12,490

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350,818 134,817 485,635

870,480 229,900 1,100,380

1,100,380

398,607 40,778 439,385

169,417 49,848 219,265

000

Sub-Total

Remainder Total Future

87,538

71,486 159,024

93,863 13,483 107,346



GRAND SUMMARY

TOTAL PROBABLE UNDEVELOPED

PROBABLE UNDEVELOPED

T	OTAL PR	OBABLE UNI	DEVEL <b>o</b> ped							UI	NDEVELOPE	כ	
			REVI	ENUE INT	ERESTS		ı	PRODUCT	PRICE	S	_	DISCOU	NTED
		EXPENSE	Oil/	Plant			Oil/Cond.	Plt. Pr	rod.	Gas			INCOME - \$M
INITIAL		INTEREST	Condensate	Products	_ <u>G</u> a	as	\$/bbl.		<u>ol.</u> -	\$/MCF	COMPOUN 10.00%		MONTHLY 1,326,645
FINAL											12.00%		1,138,632
REMARKS											15.00%	-	906,875
											20.00%		620,837
											25.00%	_	421,829
			ATED 8/8 TH					OMPANY					E PRICES
Period	Number of Wells	Oil/Cond Barrels	Bar	roducts rels	Gas MMCF		Oil/Cond. Barrels	Ba	Product rrels	s Sales G MMC	<u>F</u>	Oil/Cond. \$/bbl.	Gas \$/MCF
2007 2008	2	201	0	0		0		0	0		0	0.00	0.00
2008	2 10	381,2 2,467,4		9,142	63 17,79		366,14 2,339,54		9,272	11	3,902	60.50 50.00	0.00 1.98
2010	25	5,387,4		3,410	41,58		5,058,78		4,848		2,270	50.00	1.98
2011	34	9,551,4	404 3,57	3,487	77,13		8, 132, 75		2,724		3,792	50.00	1.98
2012	35 40	8,554,9		0,684	78,64		7,072,33		0,134		2,837	50.00	1.98
2013 2014	40 41	8,194,! 7,191,8		4,779 1,050	91,13 80,90		6,730,78 5,940,71		0,501 7,179		1,930 4,490	50.00 50.00	1.98 1.98
2015	44	6,943,		0,082	76,71		5,868,04		1,648		2,200	50.00	1.98
2016	44	5,386,	722 3,014	4, 143	64,95		4,590,86		8,818		4, 359	50.00	1.98
2017	44	3,744,!		0,582	51,42		3,215,70		1,568		5,304	50.00	1.98
2018 2019	44 44	2,648,4 1,906,8		1,681 2,899	40,89 32,59		2,282,29 1,653,58		5,992 7,987		3,109 2,504	50.00 50.00	1.98 1.98
2020	44	1,394,		2,225	25,84		1,216,14		4,604		7,918	50.00	1.98
2021	44	1,039,		4,366	20,51		907,91		0,027		4,221	50.00	1.98
Sub-Total		64,792,			700,77		55, 375, 60				3,836	50.07	1.98
Remainder		3,252,8			59,30		2,878,52		8,349		1,454	50.00	1.98
Total Future	•	68,045,8	819 35,222	2,810	760,07	9 :	58,254,12	8 30,11	3,001	52:	5,290	50.07	1.98
Cumulative Ultimate		68,045,8	0 819 35,222	0 2.816	760,07	0							
Ottimate		00,010,0		•	•		(EOD) 614	1		BOV	ALTY	E	GR AFTER
		_	COMPANY			EVENUE	(FGH) - \$IVI				ALII		DDUCTION
Period	0	From il/Cond.	From Plant Produ	cts	From Gas	C	Other	Total		Oil/Cond \$M	Gas/P.P.	-	AXES-\$M
2007		0		<u> </u>	C		0		0	0		0	0
2008		22,152		0	C	)	0	22,		592		0	21,560
2009		116,977	21,8		27,555		Ŏ	166,4		4,368	1,74		160,295
2010 2011		252,939 406,637	54,74 91,28		63,960 106,614		0	371,6 604,		11,488 20,940	4,26 7,5		355,892 576,064
2012		353,617	88,80		104,726		ŏ	547,		18,087	7,3		521,675
2013		336,540	99,9	15	122,747	,	0	559,2	202	17,097	8,6	<del>9</del> 8	533,407
2014		297,035	91,7		107,996		o O	496,		14,729	7,6		474,364
2015 2016		293,402 229,544	89,74 77,00		103,465 87,910		0	486,6 394,5		14,396 10,624	7,32 6,1		464,894 377,784
2017		160,785	61,8		69,976		ŏ	292.0		7,107	4.8		280,683
2018		114,115	49,68	30	55,713	3	0	219,		4,747	3,70		210,994
2019		82,679	40,13		44,607		0	167,		3,274	2,90		161,184
2020 2021		60,807 45,396	32,23 25,80		35,510 28,184		0	128,! 99.:		2,239 1,533	2,3 1,88		123,946 95,960
Sub-Total		2,772,625	824,8	50	958,963	,	0	4,556,4	4.47	131,221	66,5	24	1,358,702
Remainder		143,926	78,5		82,163		ŏ	304,6		4,329	5,60		294,710
Total Future	e .	2,916,551	903,4	10 1	,041,126	5	0	4,861,0	087	135,550	72,1	25 4	1,653,412
				DEDUCTION	ONS - \$M	ı			FUTL	JRE NET INCO	OME BEFO	RE INCO	ME TAXES-\$M
	On	erating		Develor		·				Undiscou			Discounted
Period		costs	Other Taxes	Cos	ts Ti	ransportatio		otal		Annual	Cumulative		10.00 %
2007		1 803	0		,134 ,662	2,409		71,134		-71,134	-71,13		-69,674
2008 2009		1,802 9,625	Ö		,625	21, 156		69,873 63,406		-148,313 -3,111	-219,44 -222,5		-133,876 -3,362
2010		17,306	ŏ		,412	47,703		08,421		147,471	-75,0		107,484
2011		30,741	0	66	,980	77,551	l 1	75,272		400,792	325,70	05	268,058
2012		29,397	0		,724 420	69,921		12,042		409,633	735,3		249,751
2013 2014		33,562 32,105	0		, 428 , 838	70,599 63,242		58,589 16,185		374,818 358,179	1,110,1 1,468,3		205,844 178,495
2015		29,363	ŏ		,950	62,246		21,559		343,335	1,811,6		154,814
2016		27,401	0		,405	50,501	L i	83,307		294,477	2,106,14	47	120,574
2017		24,472	0		0	37,446		61,918		218,765	2,324,9		81,062
2018 2019		18,877 15,108	0		,006	28,100 21,451		46,977 42,565		164,017 118,619	2,488,92 2,607,5		55,007 36,020
2019		13,914	0	0	,000	16,491		42,303 30,405		93,541	2,701,0		25,703
2021		10,100	ŏ		ŏ	12,768		22,868		73,092	2,774,18		18,177

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1,584,521 138,524 1,723,045

2,774,181 156,186 2,930,367

2,930,367

1,294,077 32,568 1,326,645

581,584 39,626 621,210

0

293,773

58,912 352,685

Sub-Total

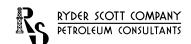
Remainder Total Future

709,164

39,986 749,150



12



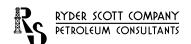
# ZHAIKMUNAI LLP ESTIMATED FUTURE RESERVES AND INCOME ATTRIBUTABLE TO TERMS OF THE PRODUCTION SHARING AGREEMENT BETWEEN THE REPUBLIC OF KAZAKHSTAN AND ZHAIKMUNAI LLP AS OF JULY 1, 2007

#### GRAND SUMMARY NORTH TURNEISKI TOTAL PROVED AND PROB

#### PROVED AND PROBABLE

TO	TAL PRO	OVED AND I	PROB									PF	ROBABLE			
				REVE	NUE I	NTERES	TS		F	PRODUCT	PRICE	s		DISCO	UNTED	)
		EXPENSE	Oi		Plar			Oi	I/Cond.	Plt. Pi		Gas		UTURE N	ET INCO	ME - \$M
INITIAL	-	INTEREST		ensate	Produ		Gas		\$/bbl.	\$/bb		\$/MCF	10.00	OUNDED	MONT	
FINAL													12.00		1,101 962	.,460 2,957
REMARKS													15.00			,559
													20.00			,017
													25.00	)% –	453	, 343
		ESTIM	IATED	8/8 TH	S PRC	DUCTIO	N		c	OMPANY	NET S	ALES		AVER	AGE PR	ICES
	Number	Oil/Cond	d.	Plant Pr		Ga	as		il/Cond.		Products	Sales G	ias	Oil/Con	d.	Gas
	of Wells	Barrels	0/4	Barr		MM			Barrels		rrels	MMC		\$/bbl.		\$/MCF_
2007 2008	12 16	1,015,9 3,183,5			0		,012 ,957	3.	971,93 026,05		0		0	65.0 60.!		0.00
2009	19	4,038,		576	,406		,952		790,68		9,948	Ę	5,791	50.0		1.98
2010	22	5,432,	277	798	,675	11	,020		932, 10	7 71	5,927	7	,691	50.0		1.98
2011 2012	26 27	6,785,			,896		,844		,790,880		5,278		3,530	50.0 50.0		1.98 1.98
2012	27 27	7,423,4 6,590,4		1,004 902	,144		,867 ,448		, 172, 39; , 404, 08;		7,951 8,953		3,992 7,927	50.0		1.98
2014	27	5,669,			,860	11	,045		689,43		3,046		, 109	50.0		1.98
2015	27	4,927,			,476	9	,858		171,47		5,616		, 495	50.0		1.98
2016 2017	27 27	4,316, 3,793,			,609		,826 ,917		,692,27 ,267,77		8,825 5,827		5,888 5,322	50.0 50.0		1.98 1.98
2017	27	3,359,			,730	7	,117		901,48		5,527 5,531		1,785	50.0		1.78
2019	27	2,981,		458	,030	6	,321		590,81		8,808	4	1, 285	50.0	00	1.98
2020	27	2,653,			,406		,554		318,24		2,243		3,774	50.0		1.98
2021	27	2,366,	700	333	, 417	4	,598	2,	,070,56	8 29	2,141	3	3, 137	50.0	00	1.98
Sub-Total		64,538,	628	8,651	. 548	127	,336	55.	790,22	1 7.43	2,094	79	7,726	50.8	33	1.98
Remainder		12,100,	109	1,410	,173	19	,454	10,	698,26	4 1,24	7,926	13	3,383	50.0	00	1.98
Total Future		76,638,	737	10,061	,721	146	,790	66,	,488,48	5 8,68	0,020	93	3, 109	50.	70	1.98
Cumulative		5,270,	043		0	8	,074									
Ultimate		81,908,		10,061	_		.864									
		, ,		•	•	RE GROS	, e deve	NIIE /E/	CD) _ \$M			BOY	ALTY		FGR AF	TER
		<b>-</b>	COM		-0106		SHEVE	INUE (F	an) - şivi			1101		— F	RODUC	
Period	Oil	From I/Cond.	Plan	From t Produc	ets	From Gas		Othe	er	Total		Oil/Cond \$M	Gas/P.	P \$	TAXES	S-\$M
2007		63,176			0 _		0		0	63,	176	1,914		0	61	,262
2008		183,076			0		0		0	183,		6,500		0		,576
2009 2010		189,534 246,606		16,19 21,50		11, 15,			0	217,: 283,:		7,862 11,181	1	948 271		, 408 , 910
2011		289,544		23,85		16,			ŏ	330,		14,219		468		,630
2012		308,619		25,13	8	17,			Ō	351,		15, 153	1,	532		,891
2013		270,205		22,16		15,			0	308,0		13,070		340		1,679
2014 2015		234,472 208,573		19,89 18,16		14, 12,			0	268,4 239,6		10,896 9,373		, 193 , 086		, 375 ), 162
2016		184,615		16,46		11,			ŏ	212,		7,710	-,	975		,065
2017		163,388		14,87		10,			0	188,	807	6,575		875		, 357
2018 2019		145,075		13,39 11,96			496		0	167,		5,550 4,746		782 691		.,635
2019		129,540 115,912		10,56			482 491		ŏ	149,9 133,9		3,984		611		1,549 1,376
2021		103,529		8,76			213		ŏ	118,		3,290		507		,709
	_				_				_							
Sub-Total Remainder	2	835,864, 534,913		222,96 37,43		158, 26,			0	3,216,8 598,8		122,023 15,460		,279 ,165	3,081	.,584 .,268
Total Future	3	3,370,777		260,40		184,			ŏ	3,815,		137,483		,444	3,662	
		,,		,		,				-,,		,		,	-,	,
					DEDU	CTIONS -	\$M				FUTU	RE NET INCO	ME BEF	ORE INC	OME T	AXES-SM
	One	rating		-		elopment	*					Undiscou			Discou	
Period	Cc	osts	Other	Taxes		Costs		ortation		otal		nnual	Cumulat		@ 10.0	<b>10</b> %
2007		5,646		0		68,940		6,395		80,981		-19,719		,719		,599
2008 2009		10,411 11,416		0		.10,207 79,287		9,912 9,208		40,530 19,911		36,046 88,497	104	,327 824		2, 952 2, 433
2010		13,307		ŏ		72,583		8,117		24,007		146,903	251			,054
2011		16,544		0		45,933	4	4,387	10	06,864		207,766	459			, 482
2012		18,232		0		16,847		7,234		82,313		252,578	712,			3,642
2013 2014		18,529 17,590		0		544 649		1,397 6,094		60,470 54,333		233,209 202,042	945, 1,147,			3,483 ),754
2015		14,770		0		362		2,233		47,365		181,797	1,329			,057
2016		14,219		0		4,043	2	8,631		46,893		157,172	1,486	,291	64	,229
2017		15,754		0		0		5,419		41,173		140,184	1,626			.,848 710
2018 2019		14,400 13,487		0		4,492		2,619 0,198		37,019 38,177		124,616 106,372	1,751, 1,857,			.,719 !,242
2020		14,458		ŏ		7,772		8,037		32,495		96,881	1,954			,576
2021		12,021		0		0		5, 932		27,953		86,756	2,041			. <b>,</b> 545
Cub Tatal	-	210,784		0		N3 227	42	5 212	1 ^	40 AQA	3	041 100			1 027	417
Sub-Total Remainder		110,784		Ö		03,887 29,907		5,813 0,253		40,484 23,906		041,100 357,362	2,398	462	1,037 64	,417 1,063
Total Future		24,530		ŏ		33,794		6,066		64,390		398,462	, = ,	. –	1,101	

THESE DATA ARE PART OF A RYDER SCOTT REPORT AND ARE SUBJECT TO THE CONDITIONS IN THE TEXT OF THE REPORT.



GRAND SUMMARY NORTH TURNEISKI TOTAL PROVED RESERVES

> 86,712 29,899 116,611

Sub-Total Remainder Total Future TOTAL PROVED

TO	TAL PRO	OVED RESE	RVES							PR	OVED		
			REV	ENUE INT	TERESTS		F	RODUCT	PRICE	s		DISCOU	NTED
		EXPENSE	Oil/	Plant			Oil/Cond.	Plt. Pr	od.	Gas			INCOME - \$M
INITIAL		INTEREST	Condensate	Product	<u> Ga</u>	as	\$/bbl.	\$/bb	<u>l.                                    </u>	\$/MCF	10.00%		MONTHLY 478,912
FINAL											12.00%		428,767
REMARKS											15.00%		366,920
											20.00%		289,767
											25.00%		234, 572
		ESTIM	ATED 8/8 TI	HS PROD	UCTION		С	OMPANY	NET S	SALES		AVERAG	E PRICES
	Number of Wells	Oil/Cond Barrels	I. Plant F	Products	Gas MMCF		Oil/Cond. Barrels	Plant P	Product	s Sales Ga MMCF	as (	Oil/Cond. \$/bbl.	Gas \$/MCF
2007	12	1,015,9		0	2,01	<u> </u>	971,937		0		0	65.00	0,00
2008	13	2,659,8		Ō	5,23		2,523,288	3	ō		ō	60.50	0.00
2009	14	2,281,9		0,822	5,39	1	2,125,269	9 363	3,984		, 904	50.00	1.98
2010	15	2,511,8		1,501	6,78	2	2, 189, 846	428	3,494		, 597	50.00	1.98
2011 2012	18 19	2,471,3	310 50	3,507	6,94	·/	2,117,237	/ 431 4 405	1,368		,625 ,323	50.00	1.98
2012	19	2,901,9 2,345,9	703 39 263 52	0,924 2,780	8,15 7,21	∡	2,434,454 1,917,739	495 0 497	5,737 7,353		, 323 , 584	50.00 50.00	1.98 1.98
2014	19	1,916,0	003 46	2,744	6,38	2	1,588,96	5 383	3,754		,112	50.00	1,98
2015	19	1,589,8	351        41	1,972	5,68	4	1,350,57	1 349	9,972		,755	50.00	1.98
2016	19	1,335,4	454 36	8,232	5,08		1,151,602	2 317	7,543		,406	50.00	1.98
2017	19	1,122,6		0,087	4,55	1	973,919	9 286	5,343		,073	50.00	1.98
2018	19	959,6		6,162	4,08		833,754		7,320		,757	50.00	1.98
2019 2020	19 19	822,8 709,3		1,670 9,256	3,61 3,16		718,646 622,678		3,525 1,242		, 457 , 155	50.00 50.00	1.98 1.98
2021	19	613,		2,456	2,51		539,010		0,251		, 133 ,721	50.00	1.98
Sub-Total		25,258,3	220 E 04	2,113	76,81		2,058,91	5 4,331	1 004	46	, 469	51.86	1.98
Remainder		2,843,		8,792	9,64	1	2.515.699		3,171		,630	50.00	1.98
Total Future		28,101,8		0,905	86,45		4,574,614				,099	51.67	1.98
Cumulative Ultimate		5,270,0 33,371,9	043 918 5.74	0 0,905	8,07 94,52								
Ottimute		,,	COMPANY	•	•		(FGR) - \$M			ROYA	LTY	FG	R AFTER
				TOTOTIL		LVLINOL	(i Giri) - şivi						DUCTION
Period		From il/Cond.	From <u>Plant Produ</u>	ıcts	From Gas	0	ther	Total		Oil/Cond \$M	Gas/P.P	\$ T	AXES-\$M
2007		63,176		0	0		0	63,1	176	1,914		0	61,262
2008		152,659		0	_ 0		0	152,6		5,687		0	146,972
2009 2010		106,263 109,493	10,9 12,8		7,745 9,116		0	124,9 131,4		4,752 4,954	64 76		119,532 125,750
2010		105,861	12,9		9,176		ŏ	127,9		4,760	78		122,434
2012		121,723	14,8	72	10,544		ŏ	147,1		5,594	88		140,657
2013		95,887	12,8	21	9,089		0	117,7		4,214	74	1	112,842
2014		79,448	11,5		8,163		0	99,1		3,209	66		95,249
2015		67,529	10,4		7,444		0	85,4	472	2,453	60		82,412
2016 2017		57,580 48,696	9,5 8,5		6,754 6,090		0	73,8 63,3		1,830 1,506	55 49		71,479 61,373
2017		41,688	7,7		5,474		ŏ	54,8		1,249	44		53,187
2019		35,932	6,8		4,860		ŏ	47,6		1,039	39		46,213
2020		31,134	6,0		4,281		0	41,4		863	35	50	40, 239
2021		26,950	4,8	08	3,409	)	0	35,1	167	703	27	<b>'</b> 8	34, 186
Sub-Total	1	1,144,019	129,9		92,145		0	1,366,1		44,727	7,60		,313,787
Remainder		125,785	18,5		13, 153		0	157,4		3,277	1,07		153, 134
Total Future		1,269,804	148,5	02	105,298	,	U	1,523,6	JU4	48,004	8,67	7 .	,466,921
				DEDUCT	IONS - \$M				FUTL	JRE NET INCO			
Period	Ope C	erating osts	Other Taxes	Develo	opment sts Tr	ansportation	n To	tal		Undiscour Annual	Cumulative		Discounted
2007		5,646	0		),891	6.395	5 6	52,932		-1,670	-1,67	0	-1,920
2008		8,197	0		965	16,604	1 8	35,766		61,206	59,53		55,635
2009		6,343	0		,138	16,859		59,340		60,192	119,72		49,454
2010		5,983 6 400	0		,248	17,795 17,339		50,026		65,724 77 756	185,45		48,762 52 222
2011 2012		6,499 7,791	0		),840 3,109	19,935		44,678 35,835		77,756 104,822	263,20 368,03		52,233 63,686
2013		7,092	ŏ	•	373	15,995		23,460		89,382	457,41		49,278
2014		6,506	0		414	13,487	' 2	20,407		74,842	532,25	54	37,348
2015		5,296	0		246	11.651		17,193		65,219	597,47		29,457
2016		4,968	0		L,525	10,086	)	16,579		54,900	652,37		22,450
2017		5,317 4,724	0		0	8,671		13,988		47,385	699,75		17,537
2018 2019		4,724	0		L,694	7,519 6,534		12,243 12,527		40,944 33,686	740,70 774,38		13,715 10,218
2020		4,482	ŏ		0	5,687		10,169		30,070	804,45		8,255
2021		3,569	Ŏ		Ŏ	4,813		8,382		25,804	830,26		6,414

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483,525 62,617 546,142 830,262 90,517 920,779

920,779

462,522 16,390 478,912

179,370 21,436 200,806



GRAND SUMMARY NORTH TURNEISKI TOTAL PROVED PRODUCING

> 28,627 9,272 37,899

Sub-Total Remainder Total Future 000

53,767 3,806 57,573 PROVED PRODUCING

			REVI	ENUE INTE	ERESTS	6		PRODUCT	PRICI	ES		DISC	OUNT	ED
	EXPENS		Oil/	Plant			Oil/Cond. \$/bbl.	Plt. P	rod.	Gas \$/MCF			NET IN	OME - \$M
INITIAL	INTERE	<u>51 C0</u>	ndensate	Products		Gas	Φ/υυι.	\$/bb	<u>)ı.                                    </u>	φ/IVICF	10.0			82,862
FINAL											12.0			.68,269
REMARKS											15.0 20.0			.50,129 .27,117
											25.0			10,204
	ES'	ГІМАТЕ	ED 8/8 TH	IS PRODU	CTION			COMPANY	NETS	SALES		ΔVF		PRICES
N	umber Oil/C	ond.	Plant F	roducts	Gas		Oil/Cond.	Plant f	Product	s Sales G	as	Oil/Co	ond.	Gas
Period of <b>2007</b>	Wells Barr	eis 5,192	Bar	o _	MMCF 1,3		Barrels <b>636,3</b> 6		rrels	MMC	0	\$/bb	. <b>00</b>	\$/MCF 0.00
2008		3,934		ŏ	2,5	588	1,170,59		ŏ		ŏ		.50	0.00
2009	7 98	0,048	16	5,315	2,2	294	912,74	19 15	4,894	1	,662	50	.00	1.99
2010		5,300		9,818	2,0		710,78		0,612		,401		.00	1.99
2011 2012		7,252 7,738		5,915 3,792	1,8 1.7		597,35 509,83		6,443 3,851		.,248 .,115		.00	1.99 1.99
2013		5,245		2,941	1,5	559	437,54	15 9:	2,325	_	990		.00	1.99
2014		3,371		3,108	1,4	<b>421</b>	392,57		5,507		917		.00	1.99
2015 2016		9,897 3,283		4,166 5,036	1,3 1,1		356,70 321,89		9, 995 4, 193		859 795		.00 .00	1.99 1.99
2017		2,157	78	3.645	1,0		279,46		8,222		732		.00	1.99
2018	7 28	7,171	7:	1,914	, ç	993	249,50	)4 6:	2,482		670	50	.00	1.99
2019		6,326	6	5,789		808	223,85		7,455		616		.00	1.99
2020 2021		9,053 3,172		0,212 7,304		332 514	201,06 178,44		2,857 2,764		567 352		.00 .00	1.99 1.99
Sub-Total	8.09	9,139	1.28	5.955	21,7	714	7,178,73	1.11	1,600	11	,924	53.	.04	1.99
Remainder		5,059		0,516	1,2	248	890,29		0,103		861		.00	1.99
Total Future	9,10	4,198	1,37	5,471	22,9	962	8,069,02	27 1,19	1,703	12	785	52	.71	1.99
Cumulative Ultimate		1,195 5,393		0 5, <b>4</b> 71	6,9 29,8									
_		CC	MPANY	FUTURE (	GROSS	REVENUE	(FGR) - \$1	Л		ROY	ALTY			AFTER UCTION
Period _	From Oil/Cond.	P	From lant Produ		From Gas		Other	Total		Oil/Cond \$M	Gas/P.	P \$		ES-\$M
2007	41,3			0		0	0	41,	364	1,253		0		40,111
2008	70,8			0	2 2	0	0	70,		2,638		0		68,182
2009 2010	45,6 35,5		4,64 3,91		3,30 2,78		ŏ	53, 42,		2,041 1,608		274 231		51,270 40,400
2011	29,8	68	3,4	93	2.48	30	0	35,	841	1,342		212		34,287
2012	25,4		3,1		2,21		0	30,	820	1,173		186		29,461
2013 2014	21,8 19,6		2,7 2,5		1,96 1,82		0	26, 24,		962 794		161 148		25,491 23,073
2015	17,8	34	2,4	00	1,70		ŏ	21,		648		139		21,151
2016	16,0	95	2,2		1,58		0	19,	901	512		129		19,260
2017 2018	13,9		2,0 1,8		1,45 1,33		0	17,- 15,-		432 374		118 109		16,924 15,197
2019	12,4 11,1		1,7		1,22		ŏ	14,		324		99		13,717
2020	10,0		1,5	36	1,12	26	0	12,	765	279		92		12,394
2021	8,9	22	98	33	69	98	0	10,	603	233		57		10,313
Sub-Total	380,7	73	33,3		23,67		0	437,		14,613	1	,955	4	21,231
Remainder Total Future	44,5 425,2		2,40 35,7		1,71 25,39		0	48, 486,		1,160 15,773	2	139 ,094	4	47,332 168,563
				DEDUCTION	ONS - \$	М			FUTL	JRE NET INCO	ME BEF	ORE IN	ICOME	TAXES-\$N
	Operating			Develop	ment					Undiscou				counted
Period	Costs		her Taxes	Cos	ts	Transportatio		otal		Annual	Cumula:		@ 10	0.00 %
2007 2008	4,047 3,857		0		166 287	4,18 7,70	3	21,400 29,847		18,711 38,335		,711 ,046		18,225 34,903
2009	2,796	,	0		947	7,22	9	19,972		31,298	88	,344		25,729
2010	1,952		0	9,	984	5,70		17,645		22,755	111	,099		16,943
2011 2012	1,904 1,636		0		420 530	4,85 4,17		7,175 6,341		27,112 23,120		,211 ,331		18,232 14,074
2012	1,600		ŏ		125	3,60		5,333		20, 158		,489		11,106
2014	1,576		0		139	3,25	9	4, 974		18,099	199	,588		9,028
2015	1,359 1,341		0		83 515	2,97		4,421 4,560		16,730		,318		7,553
2016 2017	1,341		0		515 0	2,70 2,37		4,560 3,846		14,700 13,078		,018 ,096		6,009 4,838
2018	1,353	}	0		0	2,13		3,488		11.709		,805		3,922
2019	1,278		0		571	1,92	7	3,776		9,941	265	,746		3,014
2020 2021	1,382 1,078		0		0	1,74 1,43		3,123 2,511		9,271 7,802		,017 ,819		2,544 1,941
2021	1,070	•	U		•	1,73	_	-,		1,002	202	,527		_,,~_

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138,412 19,569 157,981 282,819 27,763 310,582

310,582

178,061 4,801 182,862

56,018 6,491 62,509



Sub-Total Remainder Total Future 17,891

4, 106 21, 997

# ZHAIKMUNAI LLP ESTIMATED FUTURE RESERVES AND INCOME ATTRIBUTABLE TO TERMS OF THE PRODUCTION SHARING AGREEMENT BETWEEN THE REPUBLIC OF KAZAKHSTAN AND ZHAIKMUNAI LLP AS OF JULY 1, 2007

GRAND SUMMARY
NORTH TURNEISKI
TOTAL PROVED NON-PRODUCING

PROVED NON-PRODUCING

		OTED NON TH		ITEDESTS	D	DODUCT DDICE	:e	N-LKODOCINO	COUNTED
		EXPENSE	Oil/ Plan		Oil/Cond.	Plt. Prod.	Gas		<b>COUNTED</b> : NET INCOME - \$
NITIAL			Condensate Produ	cts Gas	\$/bbl.	\$/bbl.	\$/MCF	COMPOUNDED	MONTHLY 120,355
INAL								12.00% -	110,655
REMARKS								15.00% -	98,348
								20.00% -	82,310
								25.00% -	70,197
		ESTIMA	TED 8/8 THS PRO	DUCTION	C	OMPANY NET S	ALES	AVI	ERAGE PRICES
Dariad	Number	Oil/Cond.	Plant Products	Gas	Oil/Cond.	Plant Products		as Oil/C	Cond. Gas
Period <b>2007</b>	of Wells	Barrels	Barrels 0	MMCF 494	Barrels <b>255,665</b>	Barrels 0	MMCF		5.00 \$/MCF
2008	4	873,87		1,699	829,016				0.50 0.00
2009	4	735,21		1,862	684,729		1		0.00 1.98
2010	4	657,71		2,148	573,400				0.00 1.98
2011	4	523,94	4 137,041	1,889	448,874				0.00 1.98
2012	4	423,52		1,677	355,305		1		0.00 1.98
2013	4	346,41		1,490	283,179				0.00 1.98
2014	4	286,16	9 96,351	1,329	237,321				0.00 1.98
2015	4	238,47		1,188	202,586	73,178			0.00 1.98
2016	4	200,32	1 77,141	1,064	172,738				0.00 1.98
2017	4	169,52	1 69,173	953	147,062	60,005			0.00 1.98
2018	4	144,24		853 733	125,326	53,709			0.00 1.98
2019 2020	4 4	121,30 102,75		723 599	105,941				0.00 1.98 0.00 1.98
2021	4	88,18		498	90,198 77,450				0.00 1.98
Sub-Total		5,178,90	7 1,179,496	18,466	4,588,790	1,017,741	10	,917 52	2.73 1.98
Remainder		341,66		2,009	302,130				0.00 1.98
Total Future	•	5,520,57		20´,475	4,890,920				2.56 1.98
Cumulative Ultimate		458,84 5,979,42		1,171 21,646					
		c	OMPANY FUTUR	E GROSS REV	ENUE (FGR) - \$M		ROYA	LTY	FGR AFTER
		From	From	From					PRODUCTION
Period		il/Cond.	Plant Products	Gas	Other	Total	Oil/Cond \$M	Gas/P.P \$	TAXES-\$M
2007		16,618	0	0	0	16,618	503	0	16,115
2008		50, 156	0	0	0	50,156	1,869	0	48,287
2009		34,236	3,770	2,672	0	40,678	1,531	222	38,925
2010		28,670	4,069	2,883	0	35,622	1,297	240	34,085
2011		22,444	3,522	2,497	0	28,463	1,010	214	27,239
2012		17,765	3,056	2,165	0	22,986	816	182	21,988
2013		14, 159	2,648	1,877	0	18,684	622 479	153 139	17,909
2014 2015		11,866 10,129	2,397 2,196	1,699	ŏ	15,962 13,881	368	127	15,344
2015		8,637	1,995	1,556 1,414	ŏ	12,046	274	115	13,386 11,657
2017		7,353	1,801	1,276	ŏ	10,430	228	104	10,098
2018		6,267	1,611	1,142	ŏ	9,020	187	93	8,740
2019		5,297	1,369	970	ŏ	7,636	154	79	7,403
2020		4,510	1,144	811	Ŏ	6,465	124	67	6,274
2021		3,872	954	676	Ö	5,502	101	55	5,346
Sub-Total		241,979	30,532	21,638	0	294,149	9.563	1,790	282,796
Remainder		15, 107	3,863	2,738	0	21,708	394	223	21,091
otal Future	е	257,086	34,395	24,376	0	315,857	9,957	2,013	303,887
			DEDUC	CTIONS - \$M		FUTL			NCOME TAXES
Period		erating	Dev	elopment	uportation Total		Undiscoun		Discounted @ 10.00
2007				Costs <u>Trans</u> 13,517	portation Tot		-335	Cumulative -335	<u>@ 10.00</u> -501
		1,251 2,731		13,517 11,596	5,455	.6,450 .9,782	-335 28,505	28,170	25,948
วกกม		2,731	ŏ	6,307		.3,898	25,027	53,197	20,491
2008 2009		1.651	ŏ	6,330		2,826	21,259	74,456	15,827
2009		1,517	ŏ	267		5,665	21,574	96,030	14,515
2009 2010		1,223	ŏ	336		4,702	17,286	113,316	10,528
2009		1,223		79		3,761	14, 148	127,464	7,798
2009 2010 2011		1,122	0						
2009 2010 2011 2012			0	89	2.193	3,328	12,016	139,480	5,997
2009 2010 2011 2012 2013		1, 122			2,193 1,911	2,822	12,016 10,564	139,480 150,044	
2009 2010 2011 2012 2013 2014		1,122 1,046 858 809	0 0 0	89	2,193 1,911 1,662	2,822 2,800	10,564 8,857		4,771
2009 2010 2011 2012 2013 2014 2015		1,122 1,046 858	0 0 0	89 53	2,193 1,911 1,662 1,442	2,822 2,800 2,315	10,564 8,857 7,783	150,044 158,901 166,684	4,771 3,622 2,880
2009 2010 2011 2012 2013 2014 2015 2016 2017 2018		1,122 1,046 858 809 873 775	0 0 0 0	89 53 329 0 0	2,193 1,911 1,662 1,442 1,249	2,822 2,800 2,315 2,024	10,564 8,857 7,783 6,716	150,044 158,901 166,684 173,400	4,771 3,622 2,880
2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019		1,122 1,046 858 809 873 775 687	0 0 0 0 0	89 53 329 0 0 366	2,193 1,911 1,662 1,442 1,249 1,058	2,822 2,800 2,315 2,024 2,111	10,564 8,857 7,783 6,716 5,292	150,044 158,901 166,684 173,400 178,692	4,771 3,622 2,880 2,250 1,606
2009 2010 2011 2012 2013 2014 2015 2016 2017 2018		1,122 1,046 858 809 873 775	0 0 0 0	89 53 329 0 0	2,193 1,911 1,662 1,442 1,249 1,058 895	2,822 2,800 2,315 2,024	10,564 8,857 7,783 6,716	150,044 158,901 166,684 173,400	5,997 4,771 3,622 2,880 2,250 1,606 1,285 1,001

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95,394 9,550 104,944

187,402 11,541 198,943

198,943

118,018

2,337 120,355

38,234 3,006 41,240

000

39,269 2,438 41,707

16

166,442 9,253 175,695

411,251



# ZHAIKMUNAI LLP ESTIMATED FUTURE RESERVES AND INCOME ATTRIBUTABLE TO TERMS OF THE PRODUCTION SHARING AGREEMENT BETWEEN THE REPUBLIC OF KAZAKHSTAN AND ZHAIKMUNAI LLP AS OF JULY 1, 2007

GRAND SUMMARY NORTH TURNEISKI TOTAL PROVED UNDEVELOPED

PROVED Undeveloped

TO	OTAL PR	OVED UNDEV	ELOPED							UNI	DEVELOPED	)	
			REVI	ENUE INTE	RESTS		Р	RODUCT	PRICE	S		DISCOU	NTED
		EXPENSE Oil/ Plant				0	il/Cond.	Plt. Pro	od.	Gas			INCOME - \$M <b>MONTHLY</b>
INITIAL		INTEREST	Condensate	Products	Gas	<u> </u>	\$/bbl.			\$/MCF	10.00%		175,695
FINAL											12.00%		149,842
REMARKS											15.00%		118,444
											20.00%		80,340
		E07111	. TED 0/0 TI		071011		•	014D 410V		41.50	25.00%		54,171
	Number	Oil/Cond.	ATED 8/8 TH	roducts	Gas		Dil/Cond.	OMPANY I Plant P				AVERAG Oil/Cond.	Gas
	of Wells	Barrels	Bar	rels	MMCF		Barrels	Bar	rels	MMCF	<u> </u>	\$/bbl.	\$/MCF
2007	1	83,5		0	135		79,909		0		0	65.00	0.00
2008 2009	2 3	552,0 566,7		9,586	945 1,235		523,682 527,791		0 1,434		0 895	60.50 50.00	0.00 1.98
2010	4	1,038,8		5,102	2,568		905,664		,245	1	,741	50.00	1,98
2011	7	1,250,1	.14 230	0,551	3,180	) 1	,071,006	197	,520		,118	50.00	1.98
2012	8	1,870,6		5,718	4,771	1	,569,310	290	,027		,113	50.00	1.98
2013 2014	8 8	1,464,3 1,156,4		1,837 3,285	4,165 3,632	) 1	,197,015		,742 ,344		,647 ,339	50.00 50.00	1.98 1.98
2015	8	931,4		1,666	3,032		959,072 791,285		799		,337 ,111	50.00	1.98
2016	8	761,8		5,055	2,831		656,968		827		,898	50.00	1,98
2017	8	631,0	04 182	2,269	2,514		547,390	158	, 116	1	,697	50.00	1.98
2018	8	528,2		2,433	2,241		458,924		, 129		,512	50.00	1.98
2019	8	445,2		3,625	1,982		388,847		,433		,349	50.00	1.98
2020 2021	8 8	377,5 322,3		5,582 8,953	1,734 1,502		331,413 283,118		,237 ,692		,180 ,028	50.00 50.00	1.98 1.98
Sub-Total		11,980,2	92 2.57	6,662	36,630	) 10	,291,394	2,202	. 545	23	,628	50,65	1,98
Remainder		1,496,8		2,716	6,384		,323,273	409	,301		,388	50.00	1.98
Total Future	1	13,477,1	.02 3,03	9,378	43,014	11	,614,667			28	,016	50.58	1.98
Cumulative		13,477,1	0 2 03	0 9,378	43,014								
Ultimate		13,477,1	•	•	•		OD) 684			ROYA	I TV	E/	R AFTER
		_	COMPANY			VENUE (F	GR) - \$IVI			- HOTA	LI I		DDUCTION
Period	0	From il/Cond.	From Plant Produ		rom Gas	Oth	er	Total		Oil/Cond \$M	Gas/P.P	-	AXES-\$M
2007		5, 194		0	0		0	5,1	94	157	0.0.0	Ō	5,037
2008		31,683		Ŏ	ŏ		Ŏ	31,6	83	1,181		Ŏ	30,502
2009		26,389	2,50		1,774		0	30,6		1,180	14		29,339
2010		45,284	4,86		3,449		0	53,6		2,049	28		51,263
2011 2012		53,550 78,465	5,92 8,70		4,200 6,166		0	63,6 93,3		2,408 3,605	35 51		60,909 89,208
2012		59,851	7,40		5,246		ŏ	72,4		2,630	42		69,441
2014		47,954	6,5		4,642		Ŏ	59,1		1,936	37		56,831
2015		39,564	5,90		4,185		0	49,6		1,436	34		47,876
2016		32,848	5,30		3,759		0	41,9		1,045	30		40,560
2017 2018		27,370 22,946	4,74 4,2		3,362 3,000		0	35,4 30,1		846 687	27 24		34,356 29,247
2019		19,443	3,7		2,667		ŏ	25,8		562	21		25,093
2020		16,570	3,30		2,344		Ŏ	22,2		459	19		21,572
2021		14, 156	2,8	70	2,035		0	19,0	61	369	16	56	18,526
Sub-Total		521,267	66,0		46,829		0	634,1		20,550	3,86		609,760
Remainder Total Future	•	66,164 587,431	12,2 78,3		8,702 55,531		0	87,1 721,3		1,724 22,274	71 4,57		84,711 694,471
				DEDUCTIO	NIC CM				FUTU	IDE NET INCO	ME DEFO	DE INICO	ME TAVEC CA
	On	erating		DEDUCTIO Develop	•				FUIU	IRE NET INCO Undiscoun			Discounted
Period		Costs	Other Taxes	Cost	sTra	nsportation	Tot		Α	nnual	Cumulative		10.00 %
2007		347	0	24,		526		5,080		-20,043	-20,04		-19,644
2008 2009		1,610 1,454	0	31, 19,		3,446 4,132		16,139 15,470		-5,637 3,869	-25,68 -21,81		−5,216 3,235
2010		2,380	ŏ	19,		7,241		9,555		21,708	-10		15,990
2011		3,077	0	20,		8,607	3	1,838		29,071	28,96	58	19,487
2012		4, 932	0		242	12,618	2	4,792		64,416	93,38		39,084
2013		4,370	0		168 107	9,825		.4,363		55,078	148,46		30,374
2014 2015		3,886 3,078	0		187 110	8,036 6,761		.2, 109 9, 949		44,722 37,927	193,18 231,11		22,323 17,133
2016		2,818	ŏ		681	5,720		9,219		31,341	262,45		12,819
2017		2,976	0		ō	4,851		7,827		26,529	288,98		9,819
2018		2,597	0		0	4,134		6,731		22,516	311,49	97	7,544
2019		2,333	0		757	3,550		6,640		18,453	329,95		5,597
2020 2021		2,402 1,934	0		0	3,052 2,618		5,454 4,552		16,118 13,974	346,06 360,04		4,425 3,472
2021		1, 737	U		v	2,010		-, JJ2		10, 717	300,0	T	3,712

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249,718 33,502 283,220

124,407 5,040 129,447

Sub-Total

Remainder Total Future



GRAND SUMMARY NORTH TURNEISKI TOTAL PROBABLE

TOTAL PROBABLE

TC	TAL PRO	BABLE						PR	OBABLE	
			REVEN	UE INTEREST	S	PI	RODUCT PRIC	ES	DIS	COUNTED
INITIAL FINAL REMARKS	-	EXPENSE INTEREST	Oil/	Plant		il/Cond. \$/bbl.	Pit. Prod. \$/bbl.	Gas \$/MCF	•	NET INCOME - \$M
	-	ESTIM	ATED 8/8 THS	PRODUCTION		cc	MPANY NET	SALES	AVI	ERAGE PRICES
2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021	Number of Wells 3 5 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	Oil/Cond Barrels  523,; 1,756,; 2,920,; 4,314,; 4,244,; 3,753,; 3,338,; 2,9671,; 2,399,; 2,158,; 1,944,; 1,752,;	Barrel  0 547 469 485, 430 307, 458 427, 548 413, 516 379, 470 338, 034 302, 123 271, 123 271, 123 271, 268 243, 478 219, 892 196, 266 173, 991 150,	S MMC 0 0 0 584 2, 174 4, 389 5, 953 5, 364 5, 116 4, 504 4, 377 3, 935 568 3, 360 2, 150 2, 961 2,	F 0 7725 7725 7561 1 238 2 28897 3 3712 3 3 234 3 174 2 2 366 2 2 366 2 2 366 2 2 366 2 1 389 1 084 1	Dil/Cond. Barrels  0 502,763 ,665,419 ,742,261 ,673,643 ,7486,349 ,100,472 ,820,907 ,540,675 ,293,856 ,067,733 ,872,166 ,695,565 ,531,558	Plant Product Barrels  0  175, 964 288, 433 363, 910 342, 214 311, 600 279, 292 255, 644 231, 282 209, 484 189, 211 170, 283 151, 001 131, 890		5 (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	0.00 0.00 0.50 0.00 0.50 0.00 0.00 1.98 0.00 1.98 0.00 1.98 0.00 1.98 0.00 1.98 0.00 1.98 0.00 1.98 0.00 1.98 0.00 1.98 0.00 1.98 0.00 1.98 0.00 1.98 0.00 1.98 0.00 1.98
Sub-Total Remainder Total Future		39,280,2 9,256,5 48,536,8	572 711, 862 4,320,	381 9, 816 60,	813 8 339 41	,731,306 ,182,565 ,913,871	3,100,208 629,755 3,729,963	6	,753 50	0.16 1.98 0.00 1.98 0.13 1.98
Cumulative Ultimate		48,536,8	0 862 4,320,	0 816 60,	0 339					
Period		From I/Cond.		TURE GROSS				ROYA	Gas/P.P \$	FGR AFTER PRODUCTION TAXES-\$M
2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021 Sub-Total Remainder Total Future		0 30,417 83,271 137,113 183,682 186,897 174,318 155,023 141,046 127,034 114,692 103,387 93,608 84,779 76,577	0 5,279 8,653 10,917 10,267 9,348 8,378 7,670 6,938 6,285 5,676 5,109 4,530 3,956 93,006 18,893 111,899	3,7 6,1 7,7 7,2 6,6 5,9 5,4 4,9 4,4 4,0 3,6 3,2 2,8 65,9	33 37 76 25 38 35 17 54 23 20 11 04	000000000000000000000000000000000000000	0 30,417 92,291 151,899 202,336 204,440 190,291 169,339 154,151 138,889 125,431 113,086 102,337 92,520 83,337 1,850,764 441,411 2,292,175	0 813 3,110 6,227 9,459 9,559 8,856 7,687 6,920 5,880 5,070 4,300 3,707 3,122 2,586 77,296 12,184 89,480	0 0 305 512 683 644 599 528 478 424 379 335 295 262 229 5,673 1,092 6,765	0 29,604 88,876 145,160 192,194 194,237 180,836 161,124 146,753 132,585 119,982 108,451 98,335 89,136 80,522 1,767,795 428,135 2,195,930
			D	EDUCTIONS &	*84		EUT	IDE NET INCC	ME BEFORE I	NCOME TAVES ON
Period 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021	C	rating osts  0 2,213 5,073 7,326 10,044 10,441 11,437 11,084 9,474 9,251 10,437 9,676 9,188 9,977 8,451	Other Taxes 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Development Costs  18,050 49,241 43,149 36,334 25,093 8,739 171 235 116 2,518 0 0 2,797 0 0	Transportation 0 3, 308 12, 349 20, 322 27, 048 27, 299 25, 402 22, 607 20, 582 18, 544 16, 749 15, 100 13, 664 12, 350 11, 120	5-66 66 44 33 33 22 22 21 21	3,050 4,762 4,762 4,767 3,982 2,185 6,479 7,010 3,926 0,172 1,313 7,186 4,776 5,649 2,327 9,571	Undiscour Annual -18,050 -25,158 28,305 81,178 130,009 147,758 143,826 127,198 116,581 102,272 92,796 83,675 72,686 66,809 60,951		Discounted  10.00 %  -17,679  -22,683  22,979  60,292  87,249  89,956  79,204  63,407  52,599  41,780  34,310  28,004  22,025  18,322  15,130
Sub-Total Remainder Total Future		124,072 83,847 207,919	0 0 0	186,443 18,626 205,069	246,444 58,816 305,260	16:	1,289	,210,836 266,846 ,477,682	1,477,682	574,895 47,673 622,568

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GRAND SUMMARY SOUTH TURNEISKI TOTAL PROVED AND PROB

PROVED AND PROBABLE

TC	OTAL PRO	OVED AND I	PROB							PR	OBABLE		
			REV	ENUE IN	TERESTS		Pi	RODUCT	PRICE	S		DISCOU	NTED
		EXPENSE	Oil/	Plant			il/Cond.	Plt. Pr		Gas			INCOME - \$M MONTHLY
INITIAL		INTEREST	Condensate	Produc	<u> </u>	as	\$/bbl.	\$/bbl	<u>.                                    </u>	\$/MCF	10.00%		352,241
FINAL REMARKS											12.00%		315,403
REWARKS											15.00% 20.00%		267,995 205,411
											25.00%		158,011
		FSTIM	IATED 8/8 TI	HS PROF	LICTION		C	OMPANY	NFT S	ΔLES		AVEDAC	E PRICES
	Number	Oil/Cond		Products	Gas		Oil/Cond.		roducts		 as	Oil/Cond.	Gas
	of Wells	Barrels	Ba	rrels	MMCF		Barrels	Bar	rels	MMCF	<u> </u>	\$/bbl.	\$/MCF
2007 2008			0	0		0	0		0		0	0.00	0.00
2009	9	2,844,	731 80	6,213	17,7	11 2	,667,771	757	,262		,898	50.00	1.98
2010 2011	12 14	2,731,		5,914 9,485	21,21 23,27		,488,547 ,202,060		3,596 3,630		,047 ,391	50.00 50.00	1.98 1.98
2011	14	2,581,4 1,944,		5,869	20,78		,613,968		1,869		,371 ,370	50.00	1.98
2013	14	1,280,		6,349	17,27	73 1	,050,872		5,121		, 988	50.00	1.98
2014 2015	10 10	839, 572,		6,521 6,338	14,30 12,00	81 00	694,068 484,213		L,187 2,293		,216 ,874	50.00 50.00	1.98 1.98
2016	10	388,		6,038	10,02	20	331,715		7,796	6	,640	50.00	1.98
2017 2018	10 10	261,		0,660	8,36 6,98		225,254		7,728		,582	50.00 50.00	1.98 1.98
2018	10	175,0 115,8		.7,742 5,225	5,82		151,109 100,614		1,368 ),402		,673 ,923	50.00	1.98
2020	10	75,	622 22	1,386	4,86	54	66,033	193	3,385	3	, 295	50.00	1.98
2021	10	48,	434 18	4,795	4,00	51	42,353	161	L,659	2	,754	50.00	1.98
Sub-Total		13,859,		0,535	166,7		,118,577	6,555			,651	50.00	1.98
Remainder Total Future		65,1 13,924,9		19,945 10,480	11,20 177,9		57,418 175,995,	449 7,004	7,341		,653 ,304	50.00 50.00	1.98 1.98
rotal ratare				0,400			,110,770	1,00-	,,,,,,,	11,	, 504	30.00	1.70
Cumulative		11,		0		23							
Ultimate		13,936,	•	0,480	177,97					DOV		-	OD AFTED
		_		FUTURE		REVENUE (F	GR) - \$M			ROYA	ALIY		GR AFTER ODUCTION
Period		From I/Cond.	From Plant Produ	ucts	From Gas	Oth	er	Total		Oil/Cond \$M	Gas/P.P.	-	AXES-\$M
2007		0		0		0	0		0	0		0	0
2008 2009		0 133,389	22,7	0	25,563	0 3	0	181,6	0	0 5,583	1,7	0	0 174,380
2010		124,427	26,5		29,828		ŏ	180,7		5,643	2,0		173,101
2011		110,103	27,1		30,50		0	167,7		5,457	2,1		160,094
2012 2013		80,698 52,544	23,5 19,3		26,495 21,778		0	130,7 93,6		4,012 2,584	1,8 1,5		124,847 89,534
2014		34,703	16,2	36	18,269	9	Ō	69,2	208	1,655	1,2	91	66,262
2015 2016		24,211 16,586	13,8 11,6		15,600 13,158		0	53,6 41,4		1,125 718	1,0	195 108	51,466 39,812
2017		11,263	9,8		11,064		ŏ	32,1		468		55	30,935
2018		7,555	8,2		9,262		0	25,0	)49	296		23	24,130
2019 2020		5,031 3,301	6,9 5,8		7,778 6,528		0	19,7 15,6		189 116		514  33	19,018 15,081
2021		2,118	4,8		5,45		Ō	12,4		68		61	11,996
Sub-Total		605,929	196,6	59	221,29	1	0	1,023,8	179	27,914	15,3	n9	980,656
Remainder		2,871	13,4	80	15,169	9	Ō	31,5	520	87	1,0	04	30,429
Total Future	•	608,800	210,1	.39	236,460	0	0	1,055,3	399	28,001	16,3	113	L,011,085
				DEDUG	TIONO ON					DE NET INOC	ME DEEO	DE INO	ME TAVEO 614
		ratin-			FIONS - \$N	п			FUIU	Undiscour			ME TAXES-\$M Discounted
Period	C <sub>1</sub>	erating osts	Other Taxes	C		ransportation	Tota			nnual	Cumulative	e @	10.00 %
2007 2008		0	0		2,016	0		2,016		-32,016 -49,008	-32,0 -81 0		-31,200 -44,328
2008 2009		10,054	0		9,008 5,671	23,536		9,008 9,261		-49,008 105,119	-81,0 24,0		-44,328 85,987
2010		8,841	0	) 3	5,380	23,355	6	7,576		105,525	129,6	20	78,123
2011 2012		8,874 7,113	0		4,043 587	21,629 16,820		4,546 4,520		115,548 100,327	245,1 345,4		77,499 61,157
2013		5,687	0	)	273	12,011	1	7,971		71,563	417,0	58	39,510
2014		4,578	0		242	8,842		3,662		52,600	469,6		26,271
2015 2016		3,342 2,790	0		91 1,123	6,839 5,262		0,272 9,175		41,194 30,637	510,8 541,4		18,622 12,540
2017		2,705	0	)	0	4,071		6,776		24,159	565,6	48	8,949
2018 2019		2,165 1,789	0		0 1,247	3, 162 2, 482		5,327 5,518		18,803 13,500	584,4 597,9		6,304 4,099
2020		1,700	0	)	0	1,962		3,662		11,419	609,3		3,137
2021		1,268	0	)	0	1,556	;	2,824		9,172	618,5	42	2,281
Sub-Total		60,906	0	16	9,681	131,527	36	2,114		618,542			348,951
Remainder	_	6,016	0	) .	8,305	3,928	1	8,249		12,180	630,7	22	3,290
Total Future	•	66,922	0	, 1/	7,986	135,455	38	0,363		630,722			352,241

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GRAND SUMMARY SOUTH AREA TOTAL PROVED RESERVES

> 19,645 1,272 20,917

Sub-Total Remainder Total Future TOTAL PROVED

T	OTAL PR	OVED RESER	RVES							PRO	OVED .		
			REVI	ENUE INTE	RESTS			PRODUCT	PRICE	S	D	OISCOUN	ITED
		EXPENSE INTEREST	Oil/ Condensate	Plant Products	Gas	, 0	il/Cond. \$/bbl.	Plt. Pr \$/bb		Gas \$/MCF	FUTU		NCOME - \$M <b>MONTHLY</b>
INITIAL		INTEREST	Condensate	Fioducis		<u> </u>	φ/υυι.		<u>"-</u> -	φ/ΙνΙΟΙ	10.00% -		129,698
FINAL REMARKS											12.00% -		118,106
REMARKS											15.00% - 20.00% -		102,842 81,962
											25.00% -		65,441
		ESTIMA	ATED 8/8 TH	IS PRODU	СТІОМ		(	COMPANY	NET S	ALES		VERAG	E PRICES
Period	Number of Wells	Oil/Cond. Barrels	. Plant F Bar	roducts rels	Gas MMCF	(	Oil/Cond. Barrels	Plant F Bai	Products rrels	S Sales Ga MMCF	as C	oil/Cond. \$/bbl.	Gas \$/MCF
2007			0	0	0			0	0		0	0.00	0.00
2008 2009	4	1,752,2	0 260 42	0 5,356	9,344		,631,93	0 12 396	0 5,148	6	0 ,748	0.00 50.00	0.00 1.98
2010	4	1,131,1	.64 34	8,164	7,648	3	986,16	0 303	3,532	5	,168	50.00	1.98
2011 2012	4 4	762,7 526,1		7,848 8,988	6,324 5,252	ļ `	653,44 441,38		6,604 0,492		,200 ,416	50.00 50.00	1.98 1.98
2012	4	306,2		6,304	4,312		250,30		0,472		,732	50.00	1.98
2014		171,8	16 16	2,004	3,560	)	142,48	8 134	4,352	2	,288	50.00	1.98
2015 2016		116,5 78,6		5,224 2,876	2,968 2,480		99,04 67,81		4,872 7,336		,956 .660	50.00 50.00	1.98 1.98
2017		52,6	20 9	4,220	2,072	2	45,64	14 8:	1,736		,392	50.00	1.98
2018		34,8		8,644	1,728		30,28		8,328	1	,164	50.00	1.98
2019 2020		22,7 14,6		5,648 4,796	1,440 1,204		19,88 12,81		7,332 8,104		976 820	50.00 50.00	1.98 1.98
2021		9,1	20 4	5,740	1,004		8,00		0, 168		684	50.00	1.98
Sub-Total		4,979,4		5,812	49,336	4	,389,20		9,476		,204	50.00	1.98
Remainder Total Future	е	10,5 4,989,9		0,048 5,860	2,420 51,756		9,27 1, <b>39</b> 8,47		7,168 5,644		,656 ,860	50.00 50.00	1.98 1.98
Cumulative		11,5 5,001,4		0 5,860	23 51,779								
Ultimate		3,001,4	•	•	•		-OD) 61			DOVA	I TV	EC	R AFTER
		F	COMPANY			VENUE (F	-GR) - \$N	И		ROYA	ALIT		DUCTION
Period	0	From il/Cond.	From <u>Plant Produ</u>		From Gas	Oth	ner	Total		Oil/Cond \$M	Gas/P.P 9	\$ T	AXES-\$M
2007		0		0	0		0		0	0		0	0
2008 2009		0 81,597	11,8	0 84	0 13,373		0	106,8	0 854	0 3,649	90:	0 1	0 102,304
2010		49,308	9,10	06	10,247		ŏ	68,6	661	2,231	693		65,737
2011		32,672 22,069	7,3		8,324		0	48,3	395 951	1,470 1,014	577 463		46,348
2012 2013		12,515	6,0 4,8		6,768 5,418		ö	34,8 22,7		550	40. 35		33,374 21,839
2014		7, 125	4,0	31	4,535		0	15,6	591	287	300	0	15,104
2015 2016		4,952 3,391	3,4 2,9		3,878 3,286		0	12,2 9,5		180 108	257 218		11,839 9,271
2017		2,282	2,4		2,759		ŏ		493	70	182		7,241
2018		1,514	2,0		2,306		0		870	46	15:		5,671
2019 2020		994 641	1,7; 1,4		1,936 1,624		0		650 708	28 18	128 10		4,494 3,583
2021		400	1,2		1,356		ŏ	2,9		11	90		2,860
Sub-Total		219,460	58,4		65,810		0	343,		9,662	4,42		329,665
Remainder Total Futur	Δ.	464 219,924	2,9 61,3		3,280 69,090		0	6,6 350,4	659 413	12 9,674	21 4,64		6,430 336,095
Total Tatal		217,724	01,0	••	07,070		ŭ	300,	-10	7,014	4,04	•	330,070
				DEDUCTION	ONS - \$M				FUTU	IRE NET INCO			
Period		erating Costs	Other Taxes	Develop Cost	ment s Tra	nsportation	T	otal	A	Undiscoun Innual	Cumulative		0iscounted 10.00 %
2007		0	0	21,	860	0		21.860		-21,860	-21,860	0	-21,253
2008		0 5 704	0		753 440	12 040		18,753		-18,753	-40,61		-17,053
2009 2010		5,796 3,229	0		648 672	13,868 8,887		26,312 18,788		75,992 46,949	35,379 82,328	9 8	62,513 34,961
2011		2,623	0		281	6.247		9, 151		37,197	119,52	5	25,048
2012		1,885 1,381	0		355	4,489 2,914		6,729		26,645	146,170 163,63	D 1	16,245
2013 2014		1,381	0		83 94	2,914 1,999		4,378 3,133		17,461 11,971	175,60		9,658 5,978
2015		<b>768</b>	0		55	1,559		2,382		9,457	185,05	9	4,275
2016 2017		650 634	0		351 0	1,216 946		2,217 1,580		7,054 5,661	192,113 197,77		2,888 2,097
2017 2018		510	0		0	746 739		1,249		3,001 4,422	202,196		2,097 1,483
2019		423	0		390	583		1,396		3,098	205,29	4	940
2020 2021		403 303	0		0	465 370		868 673		2,715 2,187	208,00° 210,190		746 544
2021			Ū		•	5.5		5.5		_,	,	_	<del>• 11</del>

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119,469

210,196 1,733 211,929

211,929

129,070 628 129,698

44,282 828 45,110

55,542 2,597 58,139

000

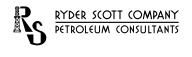


GRAND SUMMARY SOUTH AREA TOTAL PROVED PRODUCING

PROVED PRODUCING

		REVENUE IN	TERESTS	PR	ODUCT PRI	CES	DISC	OUNTED
	EXPENSE INTEREST	Oil/ Plant Condensate Produc	ts Gas	Oil/Cond. \$/bbl.	Plt. Prod. \$/bbl.	Gas \$/MCF	COMPOUNDED	NET INCOME - \$M <b>MONTHLY</b>
INITIAL FINAL REMARKS							10.00% - 12.00% - 15.00% - 20.00% - 25.00% -	0 0 0 0
	ESTIM	ATED 8/8 THS PRO	DUCTION	COI	MPANY NE	T SALES	AVE	RAGE PRICES
	mber Oil/Cond Wells Barrels	d. Plant Products Barrels	Gas MMCF	Oil/Cond. Barrels	Plant Produ Barrels			
2007 2008		0 0	0	0		0		0.00
2009		0 0	0	0		0	0 0	.00 0.00
2010 2011		0 0	0	0		0		.00 0.00 .00 0.00
2012 2013		0 0	0	0		0		.00 0.00
2014		0 0	0	0		Ō	0 0	.00 0.00
2015 2016		0 0	0 0	0		0		.00 0.00 .00 0.00
2017 2018		0 0	0	0		0		.00 0.00 .00 0.00
2019 2020		0 0	0	0		0	0 0	.00 0.00
2021		0 0	ŏ	0		0		.00 0.00
Sub-Total		0 0	0	o		0		.00 0.00
Remainder Total Future		0 0	0	0		0		.00 0.00 .00 0.00
Cumulative		0 0	0					
Ultimate		ŏ ŏ	ŏ					
_	From	From	From	IUE (FGR) - \$M		ROYA	LTY	FGR AFTER PRODUCTION
Period	Oil/Cond.	Plant Products	Gas	Other	Total	Oil/Cond \$M	Gas/P.P \$	TAXES-\$M
2007 2008	0	0	0	0	0	0 0	0	0 0
2009 2010	0	0 0	0 0	0	0	0 0	0	0
2011 2012	0	0 0	0	0	0	0	0	0
2013 2014	0	0	0	0	0	0	0	0
2015	Ō	0	0	0	0	0	0	0
2016 2017	0	0 0	0 0	0	0	0 0	0 0	0 0
2018 2019	0	0	0	0	0	0	0	0
2020 2021	0	0	0	0	0	0	0	0
Sub-Total	0	0	0	0	0	0	0	0
Remainder	0	0	0	0	0	0	0	0
Total Future	0	0	0	0	0	0	0	0
-		DEDUC	TIONS - \$M		<u>F</u> U			ICOME TAXES-\$M
Period	Operating Costs	Other Taxes C	lopment osts <u>Transpor</u>			Undiscoun Annual	Cumulative	Discounted @ 10.00 %
2007 2008	0	0	0	0	0	0	0	0
2009 2010	0	0 0	0	0	0	0	0	0 0
2011	0	0	0	0	0	0	0	0
2012 2013	0 0	0 0	0 0	0 0	0 0	0	0 0	0 0
2014 2015	0 0	0 0	0 0	0 0	0	0 0	0 0	0
2016 2017	0	0	0	0	0	0	0	0
2018	0	0	0	0	0	0	0	0
2019 2020	0	0	0	0	0	0	0	0
2021	0	0	0	0	0	0	0	0
Sub-Total Remainder	0	0 0	0 0	0 0	0	0	0	0 0
Total Future	Ō	ō	Ō	Ō	Ō	Ö		Ö

THESE DATA ARE PART OF A RYDER SCOTT REPORT AND ARE SUBJECT TO THE CONDITIONS IN THE TEXT OF THE REPORT.



GRAND SUMMARY SOUTH AREA TOTAL PROVED NON-PRODUCING

> 4,890 317 5,207

Sub-Total

Remainder Total Future PROVED NON-PRODUCING

TO	OTAL PR	OVED NON-I	PRODUCI	NG					N	ON-PRODUCING	;	
	REVENUE INTERESTS						PF	RODUCT PRIC	CES	DISCOUNTED		
		EXPENSE	Oil/	_ Pla			il/Cond.	Plt. Prod.	Gas		E NET INCOME - \$M	
INITIAL		INTEREST	Condens	ate Prod	lucts Ga	as	\$/bbl.	\$/bbl	\$/MCF		:D MONTHLY 36,547	
FINAL										12.00% -	33,622	
REMARKS										15.00% -	29,763	
										20.00% -	24,470	
										25.00% -	20,265	
		ESTIM	ATED 8/	8 THS PR	ODUCTION		co	MPANY NET	SALES	AV	ERAGE PRICES	
Period	Number of Wells	Oil/Cond Barrels	d. Pla	ant Product Barrels	s Gas MMCF		Oil/Cond. Barrels	Plant Produ Barrels	cts Sales C	Gas Oil/	Cond. Gas bbl. \$/MCF	
2007	0. 110.0		0	0		0	0		0		0.00 0.00	
2008			ō	Ō		ō	ō		Ō		0.00 0.00	
2009	1	438,0	065	106,339	2,33	6	407,983	99,03	7		0.00 1.98	
2010	1	282,		87,041	1,91	2	246,540	75,88	3		0.00 1.98	
2011	1	190,	682	71,962	1,58	1	163,361	61,65	1	1,050 5	0.00 1.98	
2012	1	131,		59,747	1,31		110,346	50,12	3		0.00 1.98	
2013	1	76,		49,076	1,07		62,576	40,11			0.00 1.98	
2014		42,		40,501	89		35,622	33,58	8		0.00 1.98	
2015		29,		33,806	74		24,762	28,71			0.00 1.98	
2016		19,6		28,219	62		16,953	24,33			0.00 1.98	
2017		13,		23,555			11,411	20,43			0.00 1.98	
2018			712	19,661			7,570	17,08	2		0.00 1.98	
2019			692	16,412			4,971	14,33			0.00 1.98	
2020 2021			650 280	13,699			3,204	12,02 10,04			0.00 1.98 0.00 1.98	
2021		2,	200	11,435	23	.1	2,002	10,04	2	1/1 3	0.00 1.70	
Sub-Total		1,244,8	871	561,453	12,33	4 1	,097,301	487,36	9 ;	8,301 5	0.00 1.98	
Remainder			625	27,512		5	2,318	24,29			0.00 1.98	
Total Future	•	1,247,		588,965			,099,619	511,66			0.00 1.98	
		-,,		,	,		,,	,		-,		
Cumulative		11,!		0		3						
Ultimate		1,258,	996	588,965	12,96	2						
			COMPA	NY FUTU	RE GROSS R	EVENUE (F	GB) - \$M		ROY	ALTY	FGR AFTER	
		F					G.1., Q.1				PRODUCTION	
Period	0	From il/Cond.	Fro Plant P	om roducts	From Gas	Oth	ner	Total	Oil/Cond \$M	Gas/P.P \$	TAXES-\$M	
2007		0		0	0		0	0	0	0	0	
2008		ŏ		ŏ	ŏ		ŏ	ŏ	ŏ	ŏ	ŏ	
2009		20,399		2,971	3,343		ŏ	26,713	912	225	25,576	
2010		12,327		2,277	2,562		ŏ	17,166	558	174	16,434	
2011		8,168		1,849	2,081		ŏ	12,098	367	144	11,587	
2012		5,517		1,504	1,692		ō	8,713	254	115	8,344	
2013		3,129		1,203	1,354		0	5,686	137	90	5,459	
2014		1,781		1,008	1,134	,	0	3,923	72	75	3,776	
2015		1,239		862	970	)	0	3,071	45	64	2,962	
2016		847		730	821		0	2,398	27	55	2,316	
2017		571		613	690		0	1,874	18	45	1,811	
2018		378		512	577		0	1,467	11	38	1,418	
2019		249		430	483		0	1,162	7	32	1,123	
2020		160		361	406		0	927	5	27	895	
2021		100		301	339	,	0	740	2	23	715	
Sub-Total		54,865	14	4,621	16,452	!	0	85,938	2,415	1,107	82,416	
Remainder		116		729	820		0	1,665	´ 3	<b>54</b>	1,608	
Total Future	е	54,981	1!	5,350	17,272	!	0	87,603	2,418	1,161	84,024	
				DEDU	ICTIONS - \$M			FU	TURE NET INC	OME BEFORE	INCOME TAXES-\$M	
	Ope	erating		De	evelopment				Undiscou		Discounted	
Period		Costs	Other Ta	xes	Costs Tr	ansportation	Tota		Annual	Cumulative	<u>@ 10.00 %</u>	
2007		0		0	2,359	0		2,359	-2,359	-2,359	-2,310	
2008		0		0	3,276	0		3,276	-3,276	-5,635	-2,954	
2009		1,428		0	1,782	3,467		,677	18,899	13,264	15,547	
2010		808 4 F F		0	1,789	2,222		1,819	11,615	24,879	8,652	
2011		655 471		0	75 05	1,562		2,292	9,295	34, 174	6,259 4,057	
2012 2013		471 345		0	95 22	1,122		L,688	6,656 4 364	40,830 45,194	4,057	
2013 2014		345 260		Ö	22 25	728 500		L,095 785	4,364 2,991		2,414 1 404	
2014 2015		260 192		Ö	25 15	390		785 597	2,991 2,365	48,185 50,550	1,494 1,068	
2016		162		ŏ	95	304		561	2,365 1,755	52,305	719	
2016 2017		159		ŏ	93 0	236		395	1,755	53,721	719 524	
2017		127		ŏ	ŏ	185		312	1,106	54,827	371	
2019		106		ŏ	105	146		357	766	55,593	233	
2020		101		ŏ	0	116		217	678	56,271	186	
2021		76		Ŏ	Ŏ	92		168	547	56,818	136	
<b>-</b>					=				=	-,		

THESE DATA ARE PART OF A RYDER SCOTT REPORT AND ARE SUBJECT TO THE CONDITIONS IN THE TEXT OF THE REPORT.

25,598 1,226 26,824 56,818 382 57,200 36,396 151 36,547

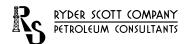
57,200

11,070 208 11,278

9,638 701 10,339



#### 22



# ZHAIKMUNAI LLP ESTIMATED FUTURE RESERVES AND INCOME ATTRIBUTABLE TO TERMS OF THE PRODUCTION SHARING AGREEMENT BETWEEN THE REPUBLIC OF KAZAKHSTAN AND ZHAIKMUNAI LLP AS OF JULY 1, 2007

GRAND SUMMARY SOUTH AREA TOTAL PROVED UNDEVELOPED

> 14,755 954 15,709

Sub-Total

Remainder Total Future 000

TOTAL Undeveloped

NITTAL   PINATE   Confidence   Plant   Products   College   Plant   Products   Plant   Products   Plant   Products   Plant   Plant   Products   Plant   Plan			REVENUE I	INTERESTS		PRODUCT	T PRICES		DISC	COUNTED
Name					Oil/Con	d. Pit. P	rod.	Gas		
REMARKS		INTEREST	Condensate Frod	ucis Gas	Φ/ΒΒΙ.		<u></u>	Φ/IVICE	10.00% -	93,151
Part										
ESTIMATED B/B THS PRODUCTION   COMPANY NET SALES   AVERAGE PRICES   OBJECTION   Company   Comp	TIEMATIKO									
Period   Number   O    Common   Period   Perio									25.00% -	45,175
Period of Wells   Barrels   Barrel		ESTIMA	ATED 8/8 THS PRO	DUCTION		COMPANY	NET SAL	ES	AVE	RAGE PRICES
2007				Gas_					as Oil/C	ond. Gas
2008		velis Barreis			Barre			MINICE		
2010 3 844, 373 261, 123 5, 736 739, 620 227, 649 3, 876 50.00 1, 98 2011 3 572, 646 215, 886 4, 743 490, 683 184, 953 3, 150 50.00 1, 98 2012 3 374, 596 179, 241 3, 393 331, 038 180, 399 2, 552 50.00 1, 98 2012 3 279, 640 215, 886 4, 743 180, 881 120, 399 2, 552 50.00 1, 98 2012 3 279, 682 147, 223 3, 747 181, 82 120, 594 2, 552 50.00 1, 98 2012 14, 140 2014 181 2, 226 74, 286 86, 154 1, 145 75 0, 00 1, 198 2015 57, 747 101, 418 2, 226 74, 286 86, 154 1, 145 75 0, 00 1, 198 2016 58, 977 84, 657 1, 180 50, 599 73, 1002 1, 1245 50.00 1, 98 2016 2016 58, 977 84, 657 1, 180 50, 599 73, 1002 1, 1245 50.00 1, 98 2016 2017 39, 465 70, 665 1, 554 34, 233 61, 302 1, 044 50.00 1, 98 2016 2017 39, 465 70, 665 1, 554 34, 233 61, 302 1, 044 50.00 1, 98 2019 17, 076 49, 230 1, 080 144, 121 42, 999 732 50.00 1, 98 2020 1, 980 2019 17, 076 49, 230 1, 080 144, 121 42, 999 732 50.00 1, 98 2020 1, 980 2019 17, 076 49, 230 1, 080 144, 121 42, 999 732 50.00 1, 98 2020 1, 980 2019 17, 076 49, 230 1, 080 144, 121 42, 999 732 50.00 1, 98 2020 1, 980 2019 17, 076 49, 230 1, 080 1, 080 20 20 10, 98 20, 198 20 20 10, 980 20 20 20 10, 980 20 20 20 20 20 20 20 20 20 20 20 20 20	2008		0 0	0		0	Ō	_	0 0	.00 0.00
2011 3 572,046 215,886 4,743 490,083 184,953 3,150 50.00 1.98 2012 3 34,766 179,241 3,939 331,038 150,369 2,552 50.00 1.98 2013 3 229,650 147,223 3,224 174,220 174,286 160,184 1.46 70.00 1.98 2015 167,474 101,418 2,20 174,286 160,184 1.46 70.00 1.98 2016 58,977 84,657 1.860 50,859 73,002 1.245 50.00 1.98 2017 39,465 70,665 1.954 34,233 61,302 1.044 50.00 1.98 2018 26,136 58,983 1.726,65 1.954 34,233 61,302 1.044 50.00 1.98 2019 17,060 49,28 1.986 14,121 42,999 735 50.00 1.98 2019 17,060 49,28 1.986 14,121 42,999 735 50.00 1.98 2019 17,060 49,34,305 733 6,006 30,125 51,246 873 50.00 1.98 20201 6,640 34,305 733 6,006 30,125 513 50.00 1.98 20201 3,742,488 1,766,895 38,817 3,298,857 1,534,983 26,145 50.00 1.98 2037 000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0										
2013 3 229,650 147,228 3,234 187,728 120,354 2,049 50,00 1.98 2014 128,862 121,503 2,670 106,866 107,764 1,716 50.00 1.98 2015 87,447 101,418 2,222 74,289 86,154 1,467 50.00 1.98 2016 37,445 70,655 1,554 54,233 61,1302 11,467 50.00 1.98 2018 26,136 58,983 1,296 22,710 51,246 19,299 732 50.00 1.98 2019 11,7076 49,236 1,196 14,913 42,299 732 50.00 1.98 2020 10,990 41,097 903 9,612 36,078 615 50.00 1.98 2020 10,990 41,097 903 9,612 36,078 615 50.00 1.98 2020 10,990 41,097 903 9,612 36,078 615 50.00 1.98 2020 10,990 41,097 903 9,612 36,078 615 50.00 1.98 2020 10,990 41,097 903 9,612 36,078 615 50.00 1.98 2020 10,990 41,097 903 9,612 36,078 615 50.00 1.98 2020 10,990 41,097 903 9,612 36,078 615 50.00 1.98 2020 10,990 41,097 903 9,612 36,078 615 50.00 1.98 2020 10,990 41,097 903 9,612 36,078 615 50.00 1.98 2020 10,990 41,097 903 9,612 36,078 615 50.00 1.98 2020 10,990 41,097 903 9,612 36,078 615 50.00 1.98 2020 10,990 41,097 903 9,612 36,078 615 50.00 1.98 2020 10,990 41,097 903 9,612 36,078 615 50.00 1.98 2020 10,990 41,097 903 9,612 36,078 615 50.00 1.98 2020 10,990 41,090 90 90 90 90 90 90 90 90 90 90 90 90					490	083 18				
2014   128,862   121,503   2,670   106,866   100,764   1,716   50.00   1.98						038 15				
2015   \$7,447   101,418   2,226   74,226   86,154   1,467   50,00   1.98		,-			106	866 10				
2018 20,136 58,983 1,296 22,710 51,246 873 50.00 1.98 2019 17,076 49,236 1,080 14,913 42,999 732 50.00 1.98 2020 10,950 41,097 933 9,612 36,078 615 50.00 1.98 2020 10,950 41,097 933 9,612 36,078 615 50.00 1.98 2021 6,840 34,305 753 6,006 30,126 615 50.00 1.98 2021 6,840 34,305 753 6,006 30,126 615 50.00 1.98 2021 6,840 34,305 753 6,006 30,126 733 50.00 1.98 2021 7,873 684,399 37,002 3,291,903 1,462,107 24,903 50.00 1.98 2021 8,841 2,744 613 1,845 36,974 72,876 1.242 50.00 1.98 2021 10,304 20,30		87,4	147 101,418	2,226	74,	.286 8	6,154	1	,467 50	
2018										
2020	2018	26,1	L36 58,983	1,296	22	,710 5	51,246	_	873 50	.00 1.98
Sub-Total   3,734,613 1,664,359 37,002 3,291,903 1,462,107 24,903 50.00 1.98										
Remainder   7,875										
Computative   3,742,488	Sub-Total	3,734,6	1,684,359	37,002	3,291	903 1,46	2,107	24	, 903 50	.00 1.98
Company Form   Company Future GROSS REVENUE (FGR) - SM										
Period	Total Future	3,742,2	1,700,093	30,017	3,290	,007 1,00	14,703	20	, 145 50	.00 1.96
Period		2 7/2 /	-							
Period	Ultimate	3,142,-		·	(ENUIE (EOD)			DOV.	I TV	ECD AETED
Period   OlifCond.   Plant Products   Gas   Other   Total   OlifCondSM   Gas/P.P.   TAXES-SM   Page   Olifor   Olifornome   Olifor		F			VENUE (FGR) -	\$IVI		HOTA		
2008	Period				Other	Tota	ıl <u>Oil/</u>	/Cond \$M	Gas/P.P \$	TAXES-\$M
2009 61,198 8,913 10,030 0 80,141 2,737 675 76,729 2010 36,980 6,830 7,685 0 51,495 1,475 1,673 521 49,301 2011 24,505 5,548 6,243 0 36,296 1,102 432 34,762 2012 16,551 4,512 5,076 0 26,139 761 347 25,031 2013 9,387 3,610 4,063 0 17,060 412 269 16,379 2014 5,343 3,023 3,402 0 11,768 216 225 11,327 2015 3,715 2,585 2,908 0 9,208 135 193 8,880 2016 2,542 2,190 2,464 0 7,196 81 163 6,952 2017 1,712 1,839 2,070 0 5,621 52 137 5,432 2018 1,136 1,537 1,730 0 4,403 35 114 4,254 2019 7,45 1,290 1,451 0 3,486 21 96 3,369 2020 481 1,082 1,218 0 2,781 13 81 2,687 2021 300 904 1,017 0 2,221 8 67 2,146  Sub-Total Remainder 348 2,186 2,460 0 4,994 9 163 4,822 Total Future 164,943 46,049 51,817 0 262,809 7,255 3,483 252,071  DEDUCTIONS - SM  DEDUCTIONS - SM  DEDUCTIONS - SM  DEVELOPMENT  DEDUCTIONS - SM  DEVELOPMENT  DESUCTIONS - SM  DEVELOPMENT  DEVELOPMENT  Transportation 19,501 −19,501 −19,501 −19,501 −18,943 2008 0 0 0 15,477 0 0 15,477 −34,778 −34,778 −34,778 −34,798 2009 4,367 0 4,866 10,401 19,634 57,095 22,117 46,965 2010 2,422 0 4,884 6,665 13,971 35,330 57,447 26,310 2011 1,968 0 0 205 4,686 6,659 27,903 134,510 2012 1,414 0 0 260 3,366 5,040 19,991 105,341 12,187 2012 1,414 0 0 260 3,366 5,040 19,991 105,341 12,187 2013 1,036 0 0 68 1,499 2,347 8,980 127,417 4,485 2015 576 0 4 11,170 1,787 7,093 134,510 3,206 2016 488 0 0 256 911 1,655 5,297 139,807 2,169 2017 475 0 0 0 710 1,185 4,247 144,054 1,572 2018 382 0 0 0 554 938 1,041 2,328 149,700 707 2020 303 0 0 0 0 385 438 1,041 2,328 149,700 707 2020 303 0 0 0 0 388 651 2,036 151,736 559										
2010   36,980   6,830   7,685   0   51,495   1,673   521   49,301						80.				76.729
2012 16,551 4,512 5,076 0 26,139 761 347 25,031 2013 9,387 3,610 4,063 0 17,060 412 269 16,379 2014 5,343 3,023 3,402 0 11,768 216 225 11,327 2015 3,715 2,585 2,908 0 9,208 135 193 8,880 2016 2,542 2,190 2,464 0 7,196 81 163 6,952 2017 1,712 1,839 2,070 0 5,621 52 137 5,432 2018 1,136 1,537 1,730 0 4,403 35 114 4,254 2019 745 1,290 1,451 0 3,486 21 96 3,369 2020 481 1,082 1,218 0 2,781 13 81 2,687 2021 300 904 1,017 0 2,221 8 67 2,146 2021 300 904 1,017 0 2,221 8 67 2,146 2021 2016 3,485 2,186 2,460 0 4,994 9 163 4,822 2016 164,943 46,049 51,817 0 262,809 7,255 3,483 252,071 2021 2020 4,367 0 4,866 10,401 19,634 57,095 22,117 46,965 2010 2,422 0 4,884 6,665 13,371 35,330 57,447 26,310 2011 1,968 0 205 4,686 6,659 13,371 35,330 57,447 26,310 2011 1,968 0 205 4,686 6,659 27,903 85,350 118,790 2012 1,414 0 260 3,366 5,040 19,991 105,341 12,187 2014 780 0 68 1,499 2012 1,414 0 260 3,366 5,040 19,991 105,341 12,187 2014 780 0 68 1,499 2,347 8,980 127,417 4,485 2015 576 0 41 1,170 1,187 7,093 134,510 3,206 2017 475 0 68 1,499 2,347 8,980 127,417 4,485 2015 576 0 41 1,170 1,185 4,247 124,173 4,485 2015 576 0 0 41 1,170 1,185 4,247 124,173 4,485 2015 576 0 0 41 1,170 1,185 4,247 124,173 4,485 2015 576 0 0 41 1,170 1,185 4,247 124,173 4,485 2015 576 0 0 41 1,170 1,185 4,247 124,173 4,485 2015 576 0 0 41 1,170 1,185 4,247 124,173 4,485 2015 576 0 0 41 1,170 1,185 4,247 124,099 2017 475 0 0 0 554 938 1,041 2,328 149,700 707 2018 382 0 0 0 554 938 1,041 2,328 149,700 707 2018 382 0 0 0 554 938 1,041 2,328 149,700 707 2018 382 0 0 0 554 938 1,041 2,328 149,700 707 2018 382 0 0 0 554 936 13,497 2,328 149,700 707 2018 382 0 0 0 554 938 1,041 2,328 149,700 707 2018 388 0 0 285 438 1,041 2,328 149,700 707 2018 388 0 0 285 438 1,041 2,328 149,700 707 2018 388 0 0 285 438 1,041 2,328 149,700 707 2018 388 0 0 285 438 1,041 2,328 149,700 707 2018 388 0 0 285 438 1,041 2,328 149,700 707 5018 2019 388 0 0 285 438 1,041 2,328 149,700 707 5018 2019 388 0 0 285 438 1,041 2,328 149,700 707 5018 2019 388 0 0 285 438 1,041 2,328 149,700 70	2010	36,980	6,830	7,685	0	51,	495	1,673	521	49,301
2013						36, 26	296 130			
2015   3,715   2,585   2,908   0   9,208   135   193   8,880		9,387	3,610		0			412		
2016										
2017										
2019	2017	1,712	1,839	2,070	0	5,	621	52	137	5,432
2020										
Number   Sub-Total Remainder   348   2,186   2,460   0   4,994   9   163   4,822		481	1,082		0	2,	781	13		
Period   Operating   Costs   Other Taxes   Development   Costs   Transportation   Total   Total   Other Taxes	2021	300	904	1,017	0	2,	221	8	67	2,146
Total Future   164,943   46,049   51,817   0   262,809   7,255   3,483   252,071	Sub-Total					257,	815			247,249
Period   Operating   Other Taxes   Development   Costs   Transportation   Total   Other Taxes   Ot										4,822 252 071
Period   Operating Costs   Other Taxes   Development Costs   Transportation   Total   Annual   Cumulative   Annual   Cumulative   (a) 10,00 %   19,501   1	Total Future	104,743	40,049	31,617	Ū	202,	007	7,233	3,403	232,071
Period   Costs   Other Taxes   Costs   Transportation   Total   Annual   Cumulative   @ 10.00 %	_		DEDU	CTIONS - \$M			FUTURE	NET INCO	ME BEFORE IN	NCOME TAXES-\$M
2007         0         0         19,501         0         19,501         -19,501         -19,501         -19,501         -18,943           2008         0         0         15,477         0         15,477         -15,477         -34,978         -14,099           2009         4,367         0         4,866         10,401         19,634         57,095         22,117         46,965           2010         2,422         0         4,884         6,665         13,971         35,330         57,447         26,310           2011         1,968         0         205         4,686         6,859         27,903         85,350         18,790           2012         1,414         0         260         3,366         5,040         19,991         105,341         12,187           2013         1,036         0         61         2,186         3,283         13,096         118,437         7,244           2014         780         0         68         1,499         2,347         8,980         127,417         4,485           2015         576         0         41         1,170         1,787         7,093         134,510         3,206           201	Daviad	Operating	Dev	velopment _		<b>-</b>				
2008         0         0         15,477         0         15,477         -15,477         -34,978         -14,099           2009         4,367         0         4,866         10,401         19,634         57,095         22,117         46,965           2010         2,422         0         4,884         6,665         13,971         35,330         57,447         26,310           2011         1,968         0         205         4,686         6,859         27,903         85,350         18,790           2012         1,414         0         260         3,366         5,040         19,991         105,341         12,187           2013         1,036         0         61         2,186         3,283         13,096         118,437         7,244           2014         780         0         68         1,499         2,347         8,980         127,417         4,485           2015         576         0         41         1,170         1,787         7,093         134,510         3,206           2016         488         0         256         911         1,655         5,297         139,807         2,169           2017         475										
2010     2,422     0     4,884     6,665     13,971     35,330     57,447     26,310       2011     1,968     0     205     4,686     6,859     27,903     85,350     18,790       2012     1,414     0     260     3,366     5,040     19,991     105,341     12,187       2013     1,036     0     61     2,186     3,283     13,096     118,437     7,244       2014     780     0     68     1,499     2,347     8,980     127,417     4,485       2015     576     0     41     1,170     1,787     7,093     134,510     3,206       2016     488     0     256     911     1,655     5,297     139,807     2,169       2017     475     0     0     710     1,185     4,247     144,054     1,572       2018     382     0     0     554     936     3,318     147,372     1,113       2019     318     0     285     438     1,041     2,328     149,700     707       2020     303     0     0     348     651     2,036     151,736     559	2008					15,477	-15	5,477	-34,978	-14,099
2011     1,968     0     205     4,686     6,859     27,903     85,350     18,790       2012     1,414     0     260     3,366     5,040     19,991     105,341     12,187       2013     1,036     0     61     2,186     3,283     13,096     118,437     7,244       2014     780     0     68     1,499     2,347     8,980     127,417     4,485       2015     576     0     41     1,170     1,787     7,093     134,510     3,206       2016     488     0     256     911     1,655     5,297     139,807     2,169       2017     475     0     0     710     1,185     4,247     144,054     1,572       2018     382     0     0     554     936     3,318     147,372     1,113       2019     318     0     285     438     1,041     2,328     149,700     707       2020     303     0     0     348     651     2,036     151,736     559										
2013     1,036     0     61     2,186     3,283     13,096     118,437     7,244       2014     780     0     68     1,499     2,347     8,980     127,417     4,485       2015     576     0     41     1,170     1,787     7,093     134,510     3,206       2016     488     0     256     911     1,655     5,297     139,807     2,169       2017     475     0     0     710     1,185     4,247     144,054     1,572       2018     382     0     0     554     936     3,318     147,372     1,113       2019     318     0     285     438     1,041     2,328     149,700     707       2020     303     0     0     348     651     2,036     151,736     559	2011	1,968	0	205	4,686	6,859	27	7,903	85,350	18,790
2014     780     0     68     1,499     2,347     8,980     127,417     4,485       2015     576     0     41     1,170     1,787     7,093     134,510     3,206       2016     488     0     256     911     1,655     5,297     139,807     2,169       2017     475     0     0     710     1,185     4,247     144,054     1,572       2018     382     0     0     554     936     3,318     147,372     1,113       2019     318     0     285     438     1,041     2,328     149,700     707       2020     303     0     0     348     651     2,036     151,736     559										
2015     576     0     41     1,170     1,787     7,093     134,510     3,206       2016     488     0     256     911     1,655     5,297     139,807     2,169       2017     475     0     0     710     1,185     4,247     144,054     1,572       2018     382     0     0     554     936     3,318     147,372     1,113       2019     318     0     285     438     1,041     2,328     149,700     707       2020     303     0     0     348     651     2,036     151,736     559										
2017     475     0     0     710     1,185     4,247     144,054     1,572       2018     382     0     0     554     936     3,318     147,372     1,113       2019     318     0     285     438     1,041     2,328     149,700     707       2020     303     0     0     348     651     2,036     151,736     559	2015	576	0	41	1,170	1,787	7	7,093	134,510	3,206
2018     382     0     0     554     936     3,318     147,372     1,113       2019     318     0     285     438     1,041     2,328     149,700     707       2020     303     0     0     348     651     2,036     151,736     559										
2020 303 0 0 348 651 2,036 151,736 559	2018	382	0	0	554	936	3	3,318	147,372	1,113
2021 226 0 0 277 503 1,643 153,379 409								2,328	149,700	
							1	1,643		

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93,870 3,471 97,341 153,379 1,351 154,730

154,730

92,674

477 93,151

33,211 622 33,833



GRAND SUMMARY
SOUTH AREA

TOTAL

REVENUE INTERESTS	- 222,543 - 197,297 - 165,153 - 123,449
INITIAL FINAL REMARKS   STIMATED 8/8 THS PRODUCTION   STIMATED 8/8 THS PRODUCTION   STIMATED 8/8 THS PRODUCTION   STIMATED 8/8 THS PRODUCTION   States   S	NDED   MONTHLY
Period of Wells   Number of Number o	- 123,449 - 92,570  AVERAGE PRICES  Oil/Cond. \$/mbl. \$/mCF  0.00 0.00  50.00 1.98
Number of Wells	AVERAGE PRICES  Oil/Cond. Gas \$/bbl. \$/MCF  0.00 0.00  0.00 0.00  50.00 1.98  50.00 1.98  50.00 1.98  50.00 1.98  50.00 1.98  50.00 1.98  50.00 1.98  50.00 1.98  50.00 1.98  50.00 1.98  50.00 1.98  50.00 1.98  50.00 1.98  50.00 1.98  50.00 1.98  50.00 1.98
Period of Wells   Barrels   Barrels   MMCF   Barrels   Barrels   MMCF	\$/bbl. \$MCF 0.00 0.00 50.00 1.98 50.00 1.98 50.00 1.98 50.00 1.98 50.00 1.98 50.00 1.98 50.00 1.98 50.00 1.98 50.00 1.98 50.00 1.98 50.00 1.98 50.00 1.98 50.00 1.98 50.00 1.98
2007 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.00 0.00 0.00 0.00 50.00 1.98 50.00 1.98
2018 10 140,212 239,098 5,252 120,829 206,040 3,509 2019 10 93,093 199,577 4,382 80,730 173,070 2,947 2020 10 61,022 166,590 3,660 53,217 145,281 2,475 2021 10 39,314 139,055 3,057 34,345 121,491 2,070  Sub-Total 8,880,249 5,344,723 117,415 7,729,373 4,605,820 78,447 Remainder 54,711 399,897 8,785 48,146 352,173 5,997 Total Future 8,934,960 5,744,620 126,200 7,777,519 4,957,993 84,444  Cumulative 0 0 0 0  Cumulative 0 0 0 0	50.00 1.98 50.00 1.98 50.00 1.98
Remainder 54,711 399,897 8,785 48,146 352,173 5,997 Total Future 8,934,960 5,744,620 126,200 7,777,519 4,957,993 84,444  Cumulative 0 0 0	
0.004.040 = 744.400 444.000	50.00 1.98 50.00 1.98 50.00 1.98
COMPANY FUTURE GROSS REVENUE (FGR) - \$M ROYALTY	FGR AFTER
From From From Period Oil/Cond. Plant Products Gas Other Total Oil/Cond \$M Gas/P.P.	PRODUCTION - S TAXES-\$M
2007 0 0 0 0 0	0 0
	0 0 07 72,074
2010 75,119 17,402 19,582 0 112,103 3,412 1,3 2011 77,431 19,711 22,180 0 119,322 3,987 1,5	
2012 58,629 17,531 19,727 0 95,887 2,999 1,4	17 91,471
2013 40,029 14,540 16,360 0 70,929 2,033 1,1 2014 27,579 12,205 13,734 0 53,518 1,368 9	99 67,697 91 51,159
	38 39,626 90 30,540
2017 8,981 7,380 8,304 0 24,665 397 5	73 23,695
	70 18,456 86 14,526
2020 2,660 4,359 4,904 0 11,923 98 3	25 11 <b>,</b> 500
2021 1,718 3,645 4,101 0 9,464 58 2	72 9,134
	86 24,000
Total Future 388,876 148,740 167,370 0 704,986 18,328 11,60	68 674,990
DEDUCTIONS - \$M FUTURE NET INCOME BEFO Undiscounted Undiscounted	RE INCOME TAXES-\$M  Discounted
Period Costs Other Taxes Costs Transportation Total Annual Cumulative	
2007 0 0 10,156 0 10,156 -10,156 -10,15 2008 0 0 30,255 0 30,255 -30,255 -40,4	
2009 4,258 0 29,024 9,669 42,951 29,123 -11,2	
2010 5,612 0 28,707 14,468 48,787 58,579 47,2° 2011 6.251 0 13,762 15,380 35,393 78,353 125,6°	
2011 6,251 0 13,762 15,380 35,393 78,353 125,6 2012 5,228 0 232 12,332 17,792 73,679 199,3	
2013 4,306 0 190 9,097 13,593 54,104 253,4 2014 3,538 0 148 4,843 10,530 40,430 204,0	
2014 3,538 0 148 6,843 10,529 40,630 294,0 2015 2,575 0 36 5,279 7,890 31,736 325,79	
2016 2,139 0 771 4,047 6,957 23,583 349,3° 2017 2.071 0 0 3,125 5,196 18,499 367.8°	
2017 2,071 0 0 3,125 5,196 18,499 367,8° 2018 1,656 0 0 2,423 4,079 14,377 382,28°	
2019 1,366 0 858 1,899 4,123 10,403 392,6	55 3,159
2020 1,295 0 0 1,497 2,792 8,708 401,3 2021 966 0 0 1,186 2,152 6,982 408,3	
Sub-Total     41,261     0     114,139     87,245     242,645     408,345       Remainder     4,745     0     5,708     3,099     13,552     10,448     418,79       Total Future     46,006     0     119,847     90,344     256,197     418,793	•

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GRAND SUMMARY NE ARDATOVSKI

PROVED AND

PI	ARDATOV ROVED A	ND PROBABI	LE									OVED AND OBABLE		
			R	EVENUE	INTERE	STS		PI	RODUCT	PRICE	S	ı	DISCOU	NTED
		EXPENSE INTEREST	Oil/ Condensa		lant ducts	Gas		l/Cond. \$/bbl.	Plt. Pr \$/bb		Gas \$/MCF	FUTI		INCOME - \$M MONTHLY
INITIAL FINAL REMARKS			<u> </u>					,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		<u> </u>	Ç, MO.	10.00% 12.00% 15.00% 20.00% 25.00%	- - -	149,092 130,229 106,513 76,475 55,031
		ESTIM	IATED 8/8	THS PE	RODUCTI	ION		co	OMPANY	NET S	ALES		AVERAG	E PRICES
Period	Number of Wells	Oil/Cond Barrels	d. Pla	nt Produc Barrels	cts N	Gas IMCF	0	il/Cond. Barrels	Plant F Bai	Products rrels	s Sales Ga MMCF	as (	Oil/Cond. \$/bbl.	Gas \$/MCF
2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018	1 1 2 2 2 2 4 5 4 4 4 4 4	111, 286, 374, 130, 27, 988, 1,413, 488, 262, 159, 101,	599 468 566 078 666 451 800 1, 719 1125 526 262 289	313,53; 172,474 54,644 591,95; 156,08; 685,95; 416,75; 278,90; 194,39; 136,07;	0 0 2 4 4 0 5 9 9 3 3 4 4 0 0	2,936 6,973 9,786 5,383 1,706 18,475 36,083 21,409 13,007 8,705 6,068 4,247		106,762 271,762 354,202 121,223 23,565 826,981 159,025 404,588 222,155 136,785 87,369 53,850	295 160 40 495 946 565 352 236 167	0 5,940 0,132 6,542 5,084 8,060 7,363 2,843 8,728 7,562 7,616	8 4 1 13 26 15 9 6 4	0 0,249 ,464 ,297 ,800 ,426 ,816 ,835 ,655 ,6571 ,277	65.00 60.50 50.00 50.00 50.00 50.00 50.00 50.00 50.00 50.00	0.00 0.00 1.98 1.98 1.98 1.98 1.98 1.98 1.98
2019 2020	4	42, 29,	754	95,256 66,676	5	2,973 2,081		36,720 26,010	58	2,816 8,287	1	,309 ,625	50.00 50.00	1.98 1.98
2021 Sub-Total Remainder Total Future	4	20, 4,499, 48, 4,547,	500 4, 090	46,673 209,363 105,024 314,385	1 14 4	1,457 41,289 3,277 44,566		18,349 849,346, 42,474 891,820	3,571 92	0,858 1,831 2,748 4,579	99 2	,138 ,562 ,587 ,149	50.00 51.16 50.00 51.14	1.98 1.98 1.98 1.98
Cumulative Ultimate		186, 4,733,		314,38	0 5 14	3,480 48,046								
							VENUE (F	GR) - \$M			ROYA	ALTY		R AFTER
Period	0	From il/Cond.	Fro Plant Pr	oducts	Fron Gas	3	Othe		Total		Oil/Cond \$M	Gas/P.P	<u>\$</u> T	AXES-\$M
2007 2008		6,940 16,441		0		0		0	6,9 16,4	940 441	210 613		0	6,730 15,828
2009		17,710		,878		6,350		0	42,9	938	680	92	:0	41,338
2010 2011		6,061 1,179		,804 ,396		8,847 2,571		0	19,7 5.1	/12 146	276 60	50 15		18,930 4,930
2012		41,349	14	,853	2	7,352		Ō	83,5	554	1,939	1,59	8	80,017
2013		57,951		,442		2,378		0	138,7		2,784	3,14		132,845
2014 2015		20,229 11,108		,021 ,585		1,345 9,494		0	68,5 41,1		899 467	1,86 1,14		65,835 39,572
2016		6,839	7	,162	1:	3, 189		0	27,1	190	265	76	5	26,160
2017		4,369		,027		9,257		0	18,6		166	53		17,955
2018 2019		2,692 1,836		,528 ,485		6,498 4,576		0	12,7 8.8	718 897	100 65	36 25		12,250 8,575
2020		1,301		,748		3,220		ŏ	6,2	269	44	18		6,045
2021		917	1	,226	:	2,257		0	4,4	400	28	12	:6	4,246
Sub-Total Remainder	_	196,922 2,124	2	,155 ,782		7,334 5,124		0	501,4 10,0	030	8,5% 61	11,55 28	7	481,256 9,682
Total Future	5	199,046	107	,937		2,458		0	511,4		8,657	11,84		490,938
	Оре	erating		D	UCTIONS evelopmer	nt					JRE NET INCO Undiscour	nted	[	Discounted
Period <b>2007</b>	C	1,632	Other Tax	es	Costs 9,604		nsportation <b>702</b>	Tota	1,938		nnual -5,208	Cumulative -5,20		<u>10.00 %</u> −5,076
2008		909		ŏ	22,582		1,789		5,280		-9,452	-14,66		-8,679
2009		2,561		0	15, 96		4,668		3, 194		18,144	3,48		14,693
2010 2011		1,113 295		0	7,852 459		2,063 523		1,028 1,277		7,902 3,653	11,38 15.03		6,001 2,484
2012		3.675		ŏ	30.51		9,352		3,542		36,475	51,51		21,558
2013		8, 149		0	11,22		15,116	3	4, 494		98,351	149,86	5	54,197
2014		4,664		0	118 49		7,145		1,927		53,908	203,77		27,000
2015 2016		2,642 1.882		0	526		4,249 2,786		6,940 5,194		32,632 20,966	236,40 257,37		14,774 8,591
2017		1,613		0	(	0	1,899	;	3,512		14,443	271,81	.4	5,355
2018		1,130		0		0	1,283		2,413		9,837	281,65		3,302
2019 2020		830 700		0	58	5 0	896 632		2,311 1,332		6,264 4,713	287,91 292,62		1,904 1,296
2021		461		ŏ		Ď	443	,	904		3,342	295,97		832
		32,256		0	99,484	4	53,546	18	5,286		295,970			148,232



GRAND SUMMARY
NE ARDATOVSKI

15,087 715 15,802

Sub-Total Remainder Total Future TOTAL PROVED

	AL PROVED							ROVED	
		REVENUE	INTERESTS		PRODUC	T PRIC	ES	DIS	COUNTED
	EXPENSE		lant	Oil/Con		Prod.	Gas \$/MCF	FUTURE COMPOUNDE	ENET INCOME - \$M D <b>MONTHLY</b>
INITIAL	INTEREST	Condensate Pro	oducts Gas	\$/bbl.		<u> </u>	\$/IVICF	10.00% -	65,194
FINAL Remarks								12.00% -	56,925
REWARKS								15.00% - 20.00% -	46,502 33,266
								25.00% -	23,806
	ESTIM	MATED 8/8 THS PE	RODUCTION		COMPAN	Y NET S	SALES	AV	ERAGE PRICES
Nu Period of	umber Oil/Cond Wells Barrels		cts Gas MMCF	Oil/Co Barre		Product	ts Sales G MMCI		Cond. Gas obl. \$/MCF
2007	1 111,	599	0 2,936	106	,762	0			5.00 0.00
2008	1 286,		0 6,973		,762	0			0.50 0.00
2009 2010	1 56, 1 13,	320 79,64 668 27,07				74,172 23,606	4		0.00 1.98 0.00 1.98
2011	1 1,	456 3,25			,248	2,791			0.00 1.98
2012	2 804,					92,569			0.00 1.98
2013 2014	2 571, 2 271,					18,704 88,466			0.00 1.98 0.00 1.98
2015	2 144,					25,774	3		0.00 1.98
2016	2 81,	964 102,36	2 3,195	70	,682	88,269	2	2,461 50	0.00 1.98
2017 2018		039 71,65 123 50,15				62,158 43,578			0.00 1.98 0.00 1.98
2018		368 35,10				30,662			0.00 1.98
2020	2 10,	844 24,57	6 767	9	,519	21,574		601 50	0.00 1.98
2021	2 7,	653 17,20	4 537	6	,721	15,110		421 50	0.00 1.98
Sub-Total	2,449,		5 61,226	2,096	,813 1,3	87,433			2.12 1.98
Remainder Total Future	17, 2,466,	395 38,20 576 1,682,36		15 2,112		33,734 21,167			0.00 1.98 2.11 1.98
	2,400,	370 1,002,30	·	2,112	, 117 1,74	21,107	31	,017 3	2.11 1.70
Cumulative Ultimate	186, 2,652,		0 3,480 7 65,898						
O TET III TO	_,,	COMPANY FUTI	·	VENUE (EGR)	. \$М		ROY	ALTY	FGR AFTER
_	From	From	From	· ,					PRODUCTION
Period _	Oil/Cond.	Plant Products	Gas	Other	_ Tota		Oil/Cond \$M	Gas/P.P \$	TAXES-\$M
2007 2008	6,940 16,441		0	0		,940 ,441	210 613	0	6,730 15,828
2009	2,623	-	4,098	ŏ		, 946	117	233	8,596
2010	596		1,304	0	2	,608	27	75	2,506
2011 2012	62 33,750		154 21,689	0	47	300 ,216	3 1,550	9 1,254	288 64,412
2012	23,364		17,607	ŏ		,532	1,027	986	48,519
2014	11,267		10,412	0		, 333	455	583	26,295
2015 2016	6,147 3,534		6,949 4 877	0		,869 ,060	223 112	390 273	16,256 10,675
2017	2,041		4,877 3,434	ŏ		,339	63	192	7,084
2018	1,047	1,308	2,407	0	4	,762	32	135	4,595
2019	672		1,694	0		, 285	19	95	3,171
2020 2021	476 336		1,192 835	Ö		, 316 , 624	13 9	66 47	2,237 1,568
Sub-Total	109,296	41,623	76,652	0	227	,571	4,473	4,338	218,760
Remainder	768	1,012	1,864	0	3	,644	20	104	3,520
Total Future	110,064	42,635	78,516	U	231	,215	4,493	4,442	222,280
		DED	UCTIONS - \$M			FUTI	JRE NET INCO	ME BEFORE I	NCOME TAXES-\$M
Period	Operating Costs	Other Taxes	evelopment	nsportation	Total		Undiscoui Annual	nted Cumulative	Discounted @ 10.00 %
2007	1.632	Other raxes		702	7,848		-1,118	-1,118	-1,070
2008	<sup>^</sup> 909	0	15,659	1,789	18,357		-2,529	-3,647	-2,438
2009	553 122	0	4,165	931 24 F	5,649		2,947	-700 2 772	2,483
2010 2011	132 18	0	4,181 176	265 30	4,578 224		-2,072 64	−2,772 −2,708	-1,509 50
2012	3,205	0	19,322	7,543	30,070		34,342	31,634	20,301
2013	3,144	0	53	5,592	8,789		39,730	71,364	21,996
2014 2015	1,853 1,080	0	58 35	2,972 1,802	4,883 2,917		21,412 13,339	92,776 106,115	10,717 6,040
2016	766	ŏ	215	1,163	2,717		8,531	114,646	3,495
2017	635	0	0	<b>759</b>	1,394		5,690	120,336	2,110
2018 2019	424 306	0	0 240	483 330	907 876		3,688	124,024	1,239 698
2019 2020	259	Ö	240 0	233	492		2,295 1,745	126,319 128,064	479
2021	171	ō	ŏ	164	335		1,233	129, 297	308

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89,463 2,676 92,139 129,297 844 130,141

130,141

64,899 295 65,194

24,758 367 25,125



GRAND SUMMARY
NE ARDATOVSKI
TOTAL PROBABLE

17,169 1,253 18,422

Sub-Total

Remainder Total Future TOTAL PROBABLE

T	TOTAL PROBABLE									PRO	BABLE		
	REVENUE INTERESTS							RODUCT PR	RICES	;	DI	SCOUN	ΓED
		EXPENSE INTEREST	Oil/	Plant	0	Oį	I/Cond.	Plt. Prod.		Gas \$/MCF	FUTUE	_	ICOME - \$M IONTHLY
INITIAL		INTEREST	Condensate	Products	Gas		\$/bbl	\$/bbl	_	\$/IVICF	10.00% -	ED P	83,898
FINAL REMARKS											12.00% -		73,304
HEMARKS											15.00% - 20.00% -		60,011 43,209
											25.00% -		31,225
		ESTIMA	ATED 8/8 TH	S PRODU	CTION		cc	MPANY NE	ET SA	LES	A	VERAGE	PRICES
Period	Number of Wells	Oil/Cond. Barrels	Plant Pı Barr	roducts els	Gas MMCF		il/Cond. Barrels	Plant Prod Barrels	ducts s	Sales Ga MMCF	s Oil	l/Cond. B/bbl.	Gas \$/MCF
2007			0	0	0	· · · · · · · · · · · · · · · · · · ·	0	· ·	0		0	0.00	0.00
2008 2009	1	318,2	0 46 233	0 1,892	7,300		0 301,749	221,7	0 847	6.	0 182	0.00 50.00	0.00 1.98
2010	ī	116,4	10 145	,396	4,538		109,308	136,5		3,		50.00	1.98
2011	1	26,2		,383	1,604		22,317	43,7		1,	220	50.00	1.98
2012 2013	2 3	183,8 842,1		,006 ,221	3,870 23,915		151,975 691,760	102,5 629,3				50.00 50.00	1.98 1.98
2014	2	216,9		,696	14,316		179,244	378,8	397			50.00	1.98
2015	2	117,3		,697	8,386		99,205	227,0				50.00	1.98
2016 2017	2 2	77,5 54,2		,542 ,738	5,510 3,832		66,103 46,565	150,4 105,4				50.00 50.00	1.98 1.98
2018	2	38,1		, 916	2,681		32,890	74,0				50.00	1.98
2019	2	26,8	66 60	, 141	1,877		23,298	52,1	L54	1,	454	50.00	1.98
2020 2021	2	18,9 13,3		, 100 , 468	1,314 920		16,491 11,628	36,7 25,7		1,		50.00 50.00	1.98 1.98
Sub-Total	_	2,050,3		•	80,063	1.	,752,533	2,184,3		60.		50,00	1,98
Remainder		30,6	95 66	,822	2,085		27,113	59,0	)14	1,	646	50.00	1.98
Total Future	•	2,081,0	•	•	82,148	1,	,779,646	2,243,4	112	62,	,535	50.00	1.98
Cumulative Ultimate		2,081,0	0 14 2,632	0 2,018	0 82,148								
			COMPANY F	•	•	VENUE (F	GR) - SM			ROYA	LTY	FGF	RAFTER
		From	From		rom	VLIVOL (I V	arry - wivi					PRO	DUCTION
<u>Period</u>	0	il/Cond.	Plant Produc	cts	Gas	Othe		Total		Dil/Cond \$M	Gas/P.P \$		XES-\$M
2007 2008		0		0	0		0	0		0	0		0
2008		15,087	6,65	-	12,252		ŏ	33,992		563	686		0 <b>32,</b> 743
2010		5,466	4,09	6	7,543		0	17,105	5	249	432		16,424
2011		1,116	1,31		2,417		0	4,845 16,338	5	57 200	147		4,641
2012 2013		7,598 34,588	3,07 18,88		5,664 34,770		0	88,238	3	389 1,757	344 2,156		15,605 84,325
2014		8,963	11,36	7	20,933		0	41,263	3	444	1,278		39,541
2015		4,960	6,81		12,545		0	24,317		244	759		23,314
2016 2017		3,305 2,328	4,51 3,16		8,312 5,824		0	16,131 11,314		153 103	491 340		15,487 10,871
2018		1,645	2,22		4,090		ŏ	7,957		68	234		7,655
2019		1,165	1,56		2,881		0	5,610		46	161		5,403
2020 2021		824 582	1,10 77		2,029 1,422		0	3,955 2,776		30 20	114 79		3,811 2,677
Sub-Total		87,627	65,53	n	120,682		0	273,841		4,123	7,221		262,497
Remainder		1,355	1,77	0	3,261		ŏ	6,386	5	41	183		6,162
Total Future	е	88,982	67,30	12	123,943		0	280,227		4,164	7,404		268,659
			ı	DEDUCTIO	NS - \$M			FL	UTUR	E NET INCO	ME BEFORE	INCOM	E TAXES-\$M
Pariod		erating	Other Teves	Develop	ment		T-4-		۸	Undiscoun		_	scounted
Period <b>2007</b>		osts	Other Taxes	Cost:	089	nsportation 0	Tota	4.089		nual -4,089	Cumulative -4,089		. <u>0.00 %</u> -4,006
2008		0	0	6,	925	0	6	5, 925		−6 <sup>°</sup> , 925	-11,014		<del>-6</del> ,241
2009		2,008	0	11,	798	3,737	17	7,543		15,200	4,186		12,210
2010 2011		981 277	0		672 283	1,798 493	1	5,451 L,053		9,973 3,588	14,159 17,747		7,510 2,435
2012		469	0	11,	193	1,810	13	3,472		2,133	19,880		1,255
2013		5,006	0	11,	176	9,523	25	5,705		58,620	78,500		32,202
2014 2015		2,811 1,561	0		60 14	4,173 2,447	7	7,044 4,022		32,497 19,292	110,997 130,289		16,283 8,735
2016		1,361	ŏ		311	1,623		3,051		12,436	142,725		5,094
2017		978	0		0	1,139	2	2, 117		8,754	151,479		3,246
2018		707 522	0		0 245	802		L,509		6,146	157,625		2,062
2019 2020		522 441	0		345 0	565 398		L, 432 839		3,971 2,972	161,596 164,568		1,207 817
2021		291	ŏ		ŏ	280		571		2,106	166,674		524

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95,823

4, 197 100, 020 166,674 1,965 168,639

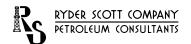
168,639

83,333 565 83,898

28,788 645 29,433

49,866 2,299 52,165

000



### ZHAIKMUNAI LLP ESTIMATED FUTURE RESERVES AND INCOME ATTRIBUTABLE TO TERMS OF THE PRODUCTION SHARING AGREEMENT BETWEEN THE REPUBLIC OF KAZAKHSTAN AND ZHAIKMUNAI LLP AS OF JULY 1, 2007

GRAND SUMMARY WEST ARDATVOSKI

PROVED AND

	roved a	ND brobable							ROBABLE	
			REVENU	E INTERESTS	3	PR	ODUCT PRIC	ES	DIS	COUNTED
		EXPENSE	Oil/	Plant	Oi	I/Cond.	Plt. Prod.	Gas	FUTURE	E NET INCOME - \$M
INITIAL		INTEREST	Condensate Pr	oducts	Gas S	\$/bbl.	\$/bbl	\$/MCF	10.00% -	D MONTHLY 130,746
FINAL									12.00% -	115,504
REMARKS									15.00% - 20.00% -	95,890 70,112
									25.00% -	50,828
		ESTIMA	TED 8/8 THS P	RODUCTION		со	MPANY NET	SALES	AV	ERAGE PRICES
Period	Number of Wells	Oil/Cond. Barrels	Plant Produ Barrels	ıcts Gas MMCI		oil/Cond. Barrels	Plant Produc Barrels	ts Sales G	ias Oil/0	Cond. Gas bbl. \$/MCF
2007	OI VVEIIS	Darreis	0	0	<u> </u>	0				0.00 0.00
2008 2009			0	0	0	0	(			0.00 0.00 0.00 0.00
2010	4	712,58	-		-	669,114	384,886		-	0.00 1.98
2011	4	1,162,38				989,734	666,910			0.00 1.98 0.00 1.98
2012 2013	4 4	665,58 381,14				550,238 313,063	472,676 342,833			0.00 1.98 0.00 1.98
2014	4	218,26			513	180,297	251,688			0.00 1.98
2015 2016	4 4	115,65 70,81			941 067	97,733 60,353	187,969 138,381			0.00 1.98 0.00 1.98
2017	4	52,01			599	44,669	101,792			0.00 1.98
2018 2019	4 4	38,20 28,06			703 971	32,922 24,333	74,565 54,775			0.00 1.98 0.00 1.98
2020 2021	4 4	20,61	10 46,1	l3 1,4	437 051	17,978	40,214	1 1		0.00 1.98 0.00 1.98
	~	15,13				13,224	29,408			
Sub-Total Remainder		3,480,46 39,73			492 2, 703	,993,658 35,116	2,746,097 76,526			0.00 1.98 0.00 1.98
Total Future	•	3,520,20				,028,774	2,822,623			0.00 1.98
Cumulative			0	0	0					
Ultimate		3,520,20	02 3,306,39	90 103,	195					
			COMPANY FUT		REVENUE (FO	GR) - \$M		ROY	ALTY	FGR AFTER PRODUCTION
<u>Period</u>	0	From il/Cond.	From Plant Products	From Gas	Othe		Total	Oil/Cond \$M	Gas/P.P \$	TAXES-\$M
2007 2008		0	0		0	0	0	0	0	0
2009		0	0		0	0	0	0	0	0
2010 2011		33, 456 49, 486	11,547 20,007	21,20 36,8		0	66,267 106,338	1,519 2,549	1,218 2,233	63,530 101,556
2012		27,512	14,180	26,1	14	0	67,806	1,407	1,587	64,812
2013 2014		15,653 9,015	10,285 7,551	18,94 13,90		0	44,879 30,471	795 447	1,175 848	42,909 29,176
2015		4,887	5,639	10,38	34	0	20,910	240	628	20,042
2016 2017		3,018 2,233	4,151 3,054	7,64 5,62		0	14,815 10,910	140 98	452 329	14,223 10,483
2017		1,646	2,237	4,1		ŏ	8,003	69	235	7,699
2019 2020		1,217 899	1,643 1,207	3,02 2,22		0	5,886 4,328	48 33	170 124	5,668 4,171
2021		661	882	1,6		ŏ	3,168	22	91	3,055
Sub-Total		149.683	82,383	151,7	15	0	383,781	7,367	9,090	367,324
Remainder		1,756	2,296	4,2	27	0	8,279	<sup>2</sup> 54	237	7,988
Total Futur	е	151,439	84,679	155,94	42	0	392,060	7,421	9,327	375,312
			DEI	DUCTIONS - \$	М		FUT	URE NET INCO	ME BEFORE	INCOME TAXES-\$M
Period		erating Costs	Other Taxes	Development Costs	Transportation	Total		Undiscou Annual	nted Cumulative	Discounted @ 10,00 %
2007		0	0	5,935	0	5	, 935	-5,935	-5,935	-5,813
2008 2009		0	0	18,048 13,512	0		,048 ,512	-18,048 -13,512	-23,983 -37,495	-16,269 -11,027
2010		2,877	0	21,328	7,443	31	,648	31,882	-5,613	22,903
2011 2012		5,929 3,793	0	411 135	11,781 7,355		,121 ,283	83,435 53,529	77,822 131,351	56,235 32,659
2013		2,801	0	111	4,768	7	,680	35,229	166,580	19,455
2014 2015		2,074 1,341	0	86 21	3,175 2,128		, 335 , 490	23,841 16,552	190,421 206,973	11,916 7,492
2016		1,027	0	451	1,491	2	, 969	11,254	218,227	4,609
2017		944	0	0	1,098		,042 .516	8,441	226,668	3,128
2018 2019		711 549	0	501	805 593		,643	6,183 4,025	232,851 236,876	2,074 1,224
2020 2021		483 332	0	0	436 319		919 651	3,252 2,404	240,128 242,532	<sup>*</sup> 893 598
								·	272,332	
Sub-Total Remainder		22,861 1,624	0	60,539 3,336	41,392 8 <b>3</b> 6		,792 ,796	242,532 2,192	244,724	130,077 669
Total Futur	е	24,485	0	63,875	42,228		,588	244,724	•	130,746



GRAND SUMMARY
WEST ARDATVOSKI
PROVED UNDEVELOPED

PROVED UNDEVELOPED

1 113	TES GREET L	REVENU	E INTERESTS	Р	RODUCT	PRICE	ES S.	DI	SCOUN	ITED
	EXPENSE INTEREST	Oil/	Plant Gas	Oil/Cond. \$/bbl.	Plt. Pro \$/bbl	od.	Gas \$/MCF		RE NET I	NCOME - \$M MONTHLY
INITIAL Final	INTEREO	Ounderland 11	<u> </u>	Ψ/υσι.		<u> </u>	ψηνισι	10.00% - 12.00% -		0
REMARKS								15.00% -		0
								20.00% - 25.00% -		0
	ESTIM	IATED 8/8 THS P	RODUCTION	С	OMPANY I	NET S	SALES	Δ'	/ERAG	E PRICES
	umber Oil/Cond	d. Plant Produ		Oil/Cond.	Plant P	roduct			/Cond.	Gas
2007	Wells Barrels	<u> </u>	0 0	Barrels (		0	_ MINICE	0	0.00	\$/MCF 0.00
2008 2009		0	0 0	(		0		0	0.00	0.00 0.00
2010 2011		0	0 0	Ċ	)	0		0	0.00	0.00
2012		Ö	0 0	Ċ	)	Ō		0	0.00	0.00
2013 2014		0	0 0	(		0		0	0.00	0.00 0.00
2015 2016		0	0 0	C		0		0	0.00	0.00 0.00
2017		Ö	0 0	Ċ	)	Ō		Ö	0.00	0.00
2018 2019		0 0	0 0	C		0		0 0	0.00	0.00 0.00
2020 2021		0	0 0	C		0		0	0.00	0.00 0.00
		_						_		
Sub-Total Remainder		0 0	0 0	(	)	0		0 0	0.00	0.00 0.00
Total Future		0	0 0	C	)	0		0	0.00	0.00
Cumulative		0	0 0							
Ultimate		-	-	VENUE (FGR) - \$M			ROYA	LTY	FG	R AFTER
- Davia d	From	From	From	•	Takal		0.11/0 1	O /D D		DUCTION AXES-\$M
<u>Period</u> _ <b>2007</b>	Oil/Cond.	Plant Products  0	Gas	Other 0	Total_	0	Oil/Cond \$M	Gas/P.P \$		0
2008 2009	0		0	0		0	0	0		0
2010	0	0	Ō	Ō		Ō	0	ō		0
2011 2012	0	Ō	0 0	0 0		0	0 0	0		0 0
2013 2014	0		0	0		0	0	0		0
2015	0	Ō	Ō	Ö		Ŏ	0	ō		0
2016 2017	Ō	Ō	0 0	0 0		Ō	Ō	0		0 0
2018 2019	0		0	0		0	0	0		0
2020	0	Ō	0	0		0	0	0		0
2021	_	_	_	_		_	_	_		_
Sub-Total Remainder	0	_	0 0	0 0		0	0 0	0		0 0
Total Future	0	0	0	0		0	0	0		0
		DEI	DUCTIONS - \$M			FUTL	JRE NET INCO	ME BEFORE	INCOM	ME TAXES-\$M
Period	Operating Costs	Other Taxes	Development Costs Tran	sportation To	al		Undiscoun Annual	ted Cumulative	_	iscounted 10.00 %
2007	0	0	0	0	0		0	0		0
2008 2009	0	0	0	0	0		0	0		0
2010 2011	0	0	0	0	0		0	0		0
2012 2013	0	0	0	0	0		0	0		0
2014	Ō	0	0	Ö	Ō		Ö	ō		0
2015 2016	0 0	0 0	0 0	0 0	0		0 0	0		0 0
2017 2018	0	0	0	0	0		0	0		0
2019	Ō	Ō	Ö	Ö	Ō		Ö	ō		0
2020 2021	0 0	0 0	0 0	0 0	0 0		0 0	0		0 0
Sub-Total	0	0	0	0	0		0			0
Remainder Total Future	0	0	o o	0	Ö		0	0		0
iotai Futule	v	v	v	v	v		v			v



GRAND SUMMARY
WEST ARDATVOSKI
PROBABLE UNDEVELOPED

PROBABLE UNDEVELOPED

PROB	ARLE ONDEAE	OPED								UN	DEVELOPE	ע	
			REVEN	NUE INTE	RESTS		PF	RODUC	T PRICE	s		DISCOU	NTED
	EXPENS		Oil/	Plant			il/Cond.	Plt. F		Gas_			INCOME - \$M
INITIAL	INTERES	T Cor	<u>idensate</u>	Products	G	as	\$/bbl.	\$/b	<u>bl.</u> _	\$/MCF	10.00%		MONTHLY 130,746
FINAL											12.00%		115,504
REMARKS											15.00%		95,890
											20.00%		70,112
											25.00%	_	50,828
	EST	IMATE	D 8/8 THS	PRODU	CTION		CC	MPAN	Y NET S	SALES		AVERAC	E PRICES
_ Nu	mber Oil/Co		Plant Pro		Gas		Oil/Cond.		Product			Oil/Cond.	Gas
Period of <b>2007</b>	Wells Barre	0	Barre	0 -	MMCF	<u> </u>	Barrels 0	в	arrels 0	MMCF	<u> </u>	\$/bbl. <b>0.00</b>	\$/MCF 0.00
2008		ŏ		ŏ		ŏ	ŏ		ŏ		ŏ	0.00	0.00
2009		Ō		Ō		Ō	Ō		Ō		Ō	0.00	0.00
2010		2,588	409,		12,79		669,114		34,886		,729	50.00	1.98
2011 2012	4 1,162 4 66	2,380 5,588	783, 571,		24,44 17,84		989,734 550,238		66,910 72,676		,590 ,176	50.00 50.00	1.98 1.98
2013		l, 143	417,		13,02		313,063		12,833		,554	50.00	1.98
2014	4 218	3,268	304,	693	9,51	L3	180,297	25	51,688	7	,017	50.00	1.98
2015		5,650	222,		6,94		97,733		37,969		,239	50.00	1.98
2016 2017		0,814 2,016	162, 118,		5,06 3,69		60,353 44,669		38,381 01,792		, 858 , 836	50.00 50.00	1.98 1.98
2018		3,204		529	2,70		32,922		4,565		,079	50.00	1.98
2019		3,063		164	1,97		24,333		54,775		,527	50.00	1.98
2020 2021		0,610 5,139		113	1,43 1,05		17,978 13,224		40,214 29,408	1	,120 820	50.00 50.00	1.98 1.98
2021	7 1	), 137	33,	659	1,00	,1	13,224	-	27,406		020	30.00	1.70
Sub-Total	3,480	), 463	3,219,		100,49		,993,658		16,097		, 545	50.00	1.98
Remainder		7,739		611	2,70		35,116		76,526		, 135	50.00	1.98
Total Future	3,520	0,202	3,306,	390	103, 19	<i>r</i> o 3	3,028,774	2,84	22,623	78	,680	50.00	1.98
Cumulative		0		0		0							
Ultimate	3,520	0,202	3,306,	,390	103, 19	75							
		CO	MPANY F	UTURE G	ROSS F	EVENUE (F	GR) - \$M			ROYA	ALTY		GR AFTER
_	From		From	F	rom							-	ODUCTION
Period	Oil/Cond.		ant Product		Gas		ner	Tota		Oil/Cond \$M	Gas/P.P.	- ψ	AXES-\$M
2007 2008		0	C		(		0		0	0		0	0
2009		ŏ	č		č		ŏ		ŏ	ŏ		ŏ	ŏ
2010	33,4		11,547		21,264		0		, 267	1,519	1,2		63,530
2011	49,48		20,007		36,845		0	106,		2,549	2,2		101,556
2012 2013	27,5: 15,6:		14,180 10,285		26,114 18,941		0		,806 ,879	1,407 795	1,5 1,1		64,812 42,909
2014	9,0		7,551		13,905		Ō		471	447		48	29,176
2015	4,88		5,639		10,384		0		, 910	240		28	20,042
2016 2017	3,0: 2,2:		4,151 3,054		7,646 5,623		0		,815 ,910	140 98		52 29	14,223 10,483
2018	1,6		2,237		4,120		ŏ		,003	69		35	7,699
2019	1,2		1,643	3	3,026	5	0	5,	,886	48		70	5,668
2020	89		1,207		2,222		0		, 328	33 22	_	24 01	4,171
2021	66	)1	882	4	1,625	,	U	Э,	, 168	22		91	3,055
Sub-Total	149,68	33	82,383	3	151,715	5	0	383,		7,367	9,0	90	367,324
Remainder	1,7		2,296		4,227		0		,279	54		37	7,988
Total Future	151,43	39	84,679	,	155,942	2	0	392,	,060	7,421	9,3	21	375,312
			_	EDUCTIO	NIC CN				F.1.T.	IDE NET INCO	ME DEFO	DE INCO	ME TAVES SM
-				EDUCTIO		l			FUIL	Undiscour			ME TAXES-\$M Discounted
Period	Operating Costs	Oth	er Taxes	Developr Costs	ment s T	ransportation	Tota	al		Annual	Cumulative		10.00 %
2007	0		0	5,	935	0		5,935		-5,935	-5,9	35	-5,813
2008	0		0	18,		0		8,048		-18,048	-23,9		-16,269
2009 2010	0 2,877		0	13, 21,		0 7,443		3,512 1,648		-13,512 31,882	-37,4 -5,6		-11,027 22,903
2011	5,929		ŏ		411	11,781		B,121		83,435	77,8		56,235
2012	3,793		0		135	7,355		1,283		53,529	131,3		32,659
2013 2014	2,801		0		111	4,768		7,680		35,229	166,5		19,455
201 <del>4</del> 2015	2,074 1,341		ŏ		86 21	3,175 2,128		5,335 3,490		23,841 16,552	190,4 206,9		11,916 7,492
2016	1,027		0		451	1,491	2	2,969		11,254	218,2	27	4,609
2017	944		0		0	1,098		2,042		8,441	226,6		3,128
2018 2019	711 549		0	1	0 501	805 593		1,516 1,643		6,183 4,025	232,8 236,8		2,074 1,224
2020	483		0	•	0	436	•	919		3,252	240,1		893
2021	332		0		0	319		651		2,404	242,5		598
Sub-Total	22,861		0	60,	539	41,392	124	4,792		242,532			130,077
Sub-Total Remainder	1,624		ŏ		336	836		5,796		2,192	244,7	24	669
Total Future	24,485		Ō	63,		42,228		0,588		244,724	,		130,746



GRAND SUMMARY NE MULINSKI

PROVED AND

	MULINSK: ROVED AL	I ND PROBABI	LE									roved and Robable	)	
			RE'	/ENUE I	NTERES	TS		PF	RODUCT	r PRICE	ES		DISCOU	NTED
		EXPENSE	Oil/	Plan	t		Oil/	Cond.	Plt. P	rod.	Gas		TURE NET	INCOME - \$M
INITIAL		INTEREST	Condensate	Produ	cts_	Gas	\$	/bbl.	\$/bl	bl	\$/MCF	10.00%		MONTHLY 81,709
FINAL												12.00%		66,829
REMARKS												15.00% 20.00%		49,068 28,256
												25.00%		14,773
		ESTIM	IATED 8/8 1	'HS PRO	DUCTIO	N		со	MPANY	/ NET S	SALES		AVERAC	GE PRICES
Doring	Number	Oil/Cond Barrels		Products arrels	G	as ICF		I/Cond. Barrels		Product	s Sales C		Oil/Cond. \$/bbl.	Gas \$/MCF
Period <b>2007</b>	of Wells	86.6		0	IVIIV	418		82,930		arrels 0	IVIIVIC	<del></del> -	65,00	0,00
2008		,	0	0		0		0		0		0	0.00	0.00
2009 2010			0	0		0		0		0		0	0.00	0.00
2010			ŏ	ŏ		ö		ö		Ö		ŏ	0.00	0.00
2012	2	824,0	-	71,891	2	2,391		691,340	22	8,093		1,579	50.00	1.98
2013	4	1,735,		72,468		,034		421,971		9,149		3,249	50.00	1.98
2014 2015	4	1,285,0 818,1		23,960 59,928		3,728 2,375		063,094 692,876		80,746 8,601		2,430 1,582	50.00 50.00	1.98 1.98
2016	4	567,	759 1	87,319		1,648		486,310		0,446		1,111	50.00	1.98
2017	4	417,4	482 1	37,740	1	1,210	;	360, 109		8,810		825	50.00	1.98
2018 2019	4 4	320,0 253,2		05,600 83,561		928 737		276,823 220,334		1,333 2,695		632 503	50.00 50.00	1.98 1.98
2019	4	205,4		67,783		594		179.705		9,289		411	50,00	1.98
2021	4	170,0		56,095		495		148,907		9,130		340	50.00	1.98
Sub-Total		6,683,6		76,345		,558		624,399		8,292		2,662	50.22	1.98
Remainder		792,		61,420		2,299		704,639		2,480		1,609	50.00	1.98
Total Future	•	7,475,4	443 2,4	37,765	2.1	L,857	0,	329,038	2,00	0,772	1.	4,271	50.20	1.98
Cumulative Ultimate		3,6 7,479,1	670 115 2.4	0 37,765	21	9 1,866								
Ottimate		.,,.	COMPAN	•		•	NITE (EC	D) _ ¢M			ROY	ALTY	F	GR AFTER
		From	From	1 10101	From	3 REVE	NOL (FG	arı) - şivi					PR	ODUCTION
Period		il/Cond.	Plant Prod		Gas		Othe		Tota		Oil/Cond \$M	Gas/P.P.	Ψ	AXES-\$M
2007		5,390		0		0		0	5,	390	163		0	5,227
2008 2009		0		0		0		0		0	0		0	0
2010		ŏ		ŏ		ŏ		ŏ		ŏ	ŏ		ŏ	ŏ
2011		. 0		0	_	0		0		_ 0	0	_	0	. 0
2012 2013		34,567 71,099		8 <b>43</b>		. 131 . 440		0		541 613	1,588 3,381		337 '11	42,616 87,521
2013		53,155				814		ŏ		492	2,445		30	65,517
2015		34,643	6.	858		138		0	44.	639	1,518		343	42,778
2016 2017		24,316	4,	813 564		, 202 , 631		0		331 200	974 691		2 <b>3</b> 8 174	30,119 22,335
2017		18,005 13,842		740		254		ŏ		836	504		.32	17,200
2019		11,016	2,	181	-,	998		0	14,	195	383	1	.04	13,708
2020		8,986		779		813		0		578	294		85	11,199
2021		7,445	1,	474		675		0	٧,	594	225		71	9,298
Sub-Total		282,464				096		0	362,		12, 166 983	2,7	'25 333	347,518
Remainder Total Future	e	35,232 317,696		974 823		, 191 , 287		0	407,	.397 .806	13,149	3,0		44,081 391,599
		,	ŕ		ĺ				ĺ		,	ŕ		,
				DEDUC	CTIONS	- \$M				FUTU				ME TAXES-\$M
Period		erating osts	Other Taxe		elopment Costs	Transp	ortation	Tota	ı		Undiscou Annual	Cumulativ		Discounted 10.00 %
2007		963		0	7,479		546		988		-3,761	-3,7	61	-3,644
2008 2009		0		0	11,204 6,115		0		,204 ,115		-11,204 -6,115	-14,9 -21,0		-10,100 -4,990
2010		ŏ		0	6,045		ŏ		.045		-6,045	-21,0 -27,1		-4, 465
2011		Ō		0	339		0		339		-339	-27,4	164	- <b>227</b>
2012		2,014			22,454		5,351		,819		11,797	-15,6		6,798
2013 2014		5,064 4,437		0	22,296 90		3,062 9,767		),422 I,294		47,099 51,223	31,4 82,6		25,636 25,630
2015		2,725		Ď	39	(	5,365	- 9	,129		33,649	116,3		15,227
2016		2,069		0	387	4	4,467	6	,923		23, 196	139,5	500	9,499
2017 2018		1,914 1,514		0	0		3,308 2,543		5,222 1,057		17,113 13,143	156,6 169,7		6,340
2018		1,314		0	430		2,543 2,024		3,718		9,990	179,7		4,406 3,032
2020		1,238		0	0		1,651	2	,889		8,310	188,0	)56	2,282
2021		964		0	0		1,368	2	2,332		6,966	195,0	122	1,732
Sub-Total Remainder		24,166 8,538		0	76,878 2,864		1,452 5,473		,496 ,875		195,022 26,206	221,2	28	77,156 4,553
Total Futur	е	32,704			79,742		7,925		,371		221,228	,	- <del>-</del>	81,709



GRAND SUMMARY NE MULINSKI TOTAL PROVED

> 12,443 3,950 16,393

Sub-Total Remainder Total Future TOTAL PROVED

10	DIAL PRO	AFD						PI	KOAFD	
			REVEN	UE INTERESTS		PF	ODUCT PRIC	ES	DIS	SCOUNTED
		EXPENSE	Oil/	Plant	Oi	I/Cond.	Plt. Prod.	Gas	FUTUR	E NET INCOME - \$M
INITIAL	-			Products Ga		S/bbl.	\$/bbl.	\$/MCF	COMPOUNDE	
FINAL									10.00% - 12.00% -	42,714 25,210
REMARKS									15.00% -	35,310 26,396
									20,00% -	15,805
									25.00% -	8,820
		ESTIMA	TED 8/8 THS	PRODUCTION		co	MPANY NET	SALES	AV	ERAGE PRICES
Period	Number of Wells	Oil/Cond. Barrels	Plant Prod Barrels			il/Cond. Barrels	Plant Product Barrels	ts Sales G		Cond. Gas /bbl. \$/MCF
2007	2	86,68		0 41	_	82,930	0			5.00 0.00
2008		,	0	0	0	0	0			0.00 0.00
2009			0		0	0	0			0.00 0.00
2010			0		0	0	0			0.00 0.00
2011 2012	2	924 0	0	-	0	401 240	339 003			0.00 0.00 50.00 1.98
2012	2	824,08 822,69				691,340 672,518	228,093 221,883			50.00 1.98 50.00 1.98
2014	2	499,88				414,557	136,774	•		50.00 1.98
2015	2	336,0				285,504	94, 197			50.00 1.98
2016	2	241,52			_	208,272	68,715			50.00 1.98
2017	2	181,97				157,857	52,081			50.00 1.98
2018	2	142,03				123,405	40,715			50.00 1.98
2019 2020	2 2	113, 95 93, 45				99,519 82,033	32,834 27,065			50.00 1.98 50.00 1.98
2021	2	78,0				68,530	22,611			50.00 1.98
Sub-Total		3,420,38	37 1,099,8		1 2,	886,465	924,968	(	5,406 5	50.43 1.98
Remainder		366,59				325,401	107,359	_		50.00 1.98
Total Future	•	3,786,98	33 1,220,8	335 11,15	5 3,	211,866	1,032,327	•	7,149 5	50.39 1.98
Cumulative		3,67			9					
Ultimate		3,790,6	53 1,220,8	335 11,16	4					
			COMPANY FU	TURE GROSS R	EVENUE (FO	GR) - \$M		ROY	ALTY	FGR AFTER
		From	From	From						PRODUCTION
<u>Period</u>	Oi	/Cond.	Plant Products	Gas	Othe	er	Total	Oil/Cond \$M	Gas/P.P \$	TAXES-\$M
2007		5,390	0	0		0	5,390	163	0	5,227
2008 2009		0	0	0		0	0	0	0	0
2010		ŏ	ŏ	ŏ		ŏ	ŏ	ŏ	ŏ	ŏ
2011		ŏ	ŏ	ŏ		ŏ	ŏ	ŏ	ŏ	ŏ
2012		34,567	6,843	3,131		Ō	44,541	1,588	337	42,616
2013		33,626	6,656	3,046		0	43,328	1,478	318	41,532
2014		20,728	4, 104	1,877		0	26,709	837	196	25,676
2015 2016		14,275	2,825 2,062	1,293 943		0	18,393	518 331	135 99	17,740
2017		10,414 7,893	1,562	743 715		ŏ	13,419 10,170	244	75 75	12,989 9,851
2018		6,170	1,222	559		ŏ	7,951	185	58	7,708
2019		4,976	985	451		Ō	6,412	144	47	6,221
2020		4,102	812	371		0	5,285	113	39	5,133
2021		3,426	678	310		0	4,414	90	32	4,292
Sub-Total		145,567	27,749	12,696		0	186,012	5,691	1,336	178,985
Remainder		16,270	3,221	1,474		0	20,965	423	154	20,388
Total Future	е	161,837	30,970	14,170		0	206,977	6,114	1,490	199,373
			DE	DUCTIONS - \$M			FUTI	URE NET INCO	OME BEFORE	INCOME TAXES-\$M
	One	rating		Development				Undiscou		Discounted
Period	C	osts	Other Taxes	Costs Tra	ansportation	Tota		Annual	Cumulative	<u>@ 10.00 %</u>
2007		963	o o	4,795	546		,304	-1,077	-1,077	-1,015
2008		0	0	6,660	0		,660	-6,660 2,632	-7,737	-6,004 2,054
2009 2010		0	0	3,623 3,636	0		1,623 1,636	−3,623 −3,636	-11,360 -14,996	−2,956 −2,686
2010		ŏ	ŏ	153	ŏ	-	153	-153	-15, 149	-102
2012		2,014	ŏ	22,393	6,351	30	,758	11,858	-3,291	6,834
2013		2,590	0	45	6,178	8	,813	32,719	29,428	18,093
2014		1,740	0	51	3,808	5	,599	20,077	49,505	10,040
2015		1,131	0	30	2,623		7,784	13,956	63,461	6,314
2016		893	0	183	1,913		2,989	10,000	73,461	4,093
2017 2018		846 679	0	0	1,450 1,134		2,296 .,813	7,555 5,895	81,016 86,911	2,799 1,976
2018		575	ŏ	203	914		.,692	4,529	91,440	1,375
2020		567	ŏ	203	754		,321	3,812	95,252	1,046
2021		445	Ö	Ō	629		,074	3,218	98,470	800

THESE DATA ARE PART OF A RYDER SCOTT REPORT AND ARE SUBJECT TO THE CONDITIONS IN THE TEXT OF THE REPORT.

80,515 8,295 88,810 98,470 12,093 110,563

110,563

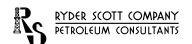
40,607 2,107 42,714

26,300 2,989 29,289

41,772 1,356 43,128

000

36,549 2,446 38,995



# ZHAIKMUNAI LLP ESTIMATED FUTURE RESERVES AND INCOME ATTRIBUTABLE TO TERMS OF THE PRODUCTION SHARING AGREEMENT BETWEEN THE REPUBLIC OF KAZAKHSTAN AND ZHAIKMUNAI LLP AS OF JULY 1, 2007

GRAND SUMMARY
NE MULINSKI
TOTAL PROBABLE

11,722 4,589 16,311

Sub-Total Remainder Total Future TOTAL

TOTA		BABLE									OBABLE		
				REVENUE	INTERESTS		PF	RODUCT	PRICI	ES		ISCOU	NTED
		EXPENSE	Oil/			Oi	il/Cond.	Plt. Pro		Gas			INCOME - \$M MONTHLY
INITIAL		INTEREST	Conde	nsate Prod	lucts Ga	IS	\$/bbl.	\$/bbl	<u> </u>	\$/MCF	10.00%		38,995
FINAL											12.00%	-	31,519
REMARKS											15.00%		22,672
											20.00%		12,450
											25.00%	_	5,953
				8/8 THS PR				MPANY I					E PRICES
Period of	umber Wells	Oil/Cond Barrels		Plant Product Barrels	MMCF		Dil/Cond. Barrels	Plant Pi Bari	rels	s Sales G MMCI	F	oil/Cond. \$/bbl.	Gas _\$/MCF
2007			0	0		0 0	0		0		0	0.00	0.00
2008 2009			ŏ	ő		0	ő		ŏ		Ö	0.00	0.00
2010			ŏ	ŏ		ŏ	ŏ		ŏ		ŏ	0.00	0.00
2011			ō	Ō		Ō	Ō		Ō		Ō	0.00	0.00
2012			0	0		0	0		0		0	0.00	0.00
2013	2	912,		301,039	2,64		749,453		,266		.,712	50.00	1.98
2014	2	785,		259,035	2,27		648,537		972	1	.,482	50.00	1.98
2015 2016	2	482,0 326,3		159,044 107,634	1,39 94		407,372 278,038		,404 .,731		931 635	50.00	1.98 1.98
2017	2	235,		77,703	68		202,252		,729		463	50.00	1.98
2018	2	178,		58,738	51		153,418		,618		351	50.00	1.98
2019	2	139,		45,965	40		120,815		,861		275	50.00	1.98
2020	2	111,		36,951	32	4	97,672	32	,224		224	50.00	1.98
2021	2	91,	999	30,352	26	8	80,377	26	,519		183	50.00	1.98
Sub-Total		3,262,		1,076,461	9,46		,737,934		,324	6	, 256	50.00	1.98
Remainder		425,		140,469			379,238		, 121	-	866	50.00	1.98
Total Future		3,688,	462	1,216,930	10,70	2 3	,117,172	1,028	,445		, 122	50.00	1.98
Cumulative		2 (00	0	1 214 020		0							
Ultimate		3,688,		1,216,930	10,70					DOV	A 1 TV	-/	ND AFTED
_			COMP	PANY FUTU	RE GROSS R	EVENUE (F	GR) - \$M			ROY	ALIY		R AFTER
Period	Oi	From I/Cond.		rom Products	From Gas	Oth	er	Total		Oil/Cond \$M	Gas/P.P	-	AXES-\$M
2007		0			0		0		0	0		0	0
2008		0		0	0		0		0	0		0	0
2009		0		Ō	Q		0		0	0		0	Ō
2010		0		0	0		0		0	0		0	0
2011 2012		0		0	0		0		0	0		0	0
2012		37,473		7,418	3,394		ŏ	48,2	-	1,904	39:	-	45,989
2014		32,426		6,419	2,937		ŏ	41,7		1,608	33		39,839
2015		20,369		4,032	1,845		0	26,2		´999	20	8	25,039
2016		13,902		2,752	1,259		0	17,9		643	13		17,131
2017		10,113		2,002	916		0	13,0		447	9		12,485
2018		7,671		1,519	695		0	9,8		319	7.		9,492
2019 2020		6,040 4,884		1,195 967	547 442		0	7,7 6,2		240 180	5 4		7,485 6,066
2021		4,019		796	364		ŏ	5,1		135	3		5,006
Sub-Total		136,897		27,100	12,399		0	176,3	196	6,475	1,38	0	168,532
Remainder		18,962		3,753	1,718		ŏ	24,4		560	17		23,694
Total Future		155,859		30,853	14,117		Ō	200,8		7,035	1,56		192,226
-					ICTIONS - \$M				FUTU	JRE NET INCO Undiscour			ME TAXES-\$M Discounted
Period	Оре	rating osts	Other	De Taxes	velopment Costs Tr	ansportation	Tota	al		Annual	Cumulative		10.00 %
2007		0		0	2,684	0		2,684		-2,684	-2,68	4	-2,629
2008		0		0	4,544	0		1,544		-4 <b>,</b> 544	<b>−7</b> ,22	8	-4 <b>,</b> 096
2009		0		O	2,492	Ō		2,492		-2,492	-9,72		-2,034
2010		0		0	2,410	0	2	2,410		-2,410	-12, 13		-1,780
2011 2012		0		0	185 61	0		185 61		-185 -61	-12,31 -12,37		−124 −37
2012		2,474		ŏ	22,251	6,885	31	L,610		14,379	2,00		-37 7,544
2013		2,697		ŏ	39	5,958		3,694		31,145	33,14		15,590
2015		1,594		ŏ	9	3,742		5,345		19,694	52,84	2	8,913
2016		1,175		0	204	2,554	3	3,933		13,198	66,04	0	5,405
2017		1,069		0	0	1,858		2,927		9,558	75,59	8	3,542
2018		835		0	0	1,409		2,244		7,248	82,84		2,430
2019 2020		690 670		0	227 0	1,110 897		2,027 L,567		5,458 4,499	88,30		1,657 1,2 <b>3</b> 6
2020		518		Ö	ŏ	739		L,367 L,257		3,749	92,80 96,55		932
		-10		•	Ū	107	•	-,		-,,	20,00	_	/

THESE DATA ARE PART OF A RYDER SCOTT REPORT AND ARE SUBJECT TO THE CONDITIONS IN THE TEXT OF THE REPORT.

71,980 9,581 81,561 96,552 14,113 110,665

110,665

25, 152 3, 484 28, 636

35,106 1,508 36,614

85,284 2,612 87,896



Sub-Total Remainder Total Future 18,115 5,047 23,162

000

61,819 2,538 64,357

### ZHAIKMUNAI LLP ESTIMATED FUTURE RESERVES AND INCOME ATTRIBUTABLE TO TERMS OF THE PRODUCTION SHARING AGREEMENT BETWEEN THE REPUBLIC OF KAZAKHSTAN AND ZHAIKMUNAI LLP AS OF JULY 1, 2007

GRAND SUMMARY WEST MULINSKI PROVED AND PROBABLE

PROVED AND PROBABLE

						r i	OBABLE	
		REVENUE II	NTERESTS		PRODUCT PR	ICES	DIS	COUNTED
EXPE INTER		Oil/ Plan densate Produ		Oil/Cond. \$/bbl.	Plt. Prod. \$/bbl.	Gas \$/MCF	FUTURE COMPOUNDED	NET INCOME - \$M D MONTHLY 87,896
							12.00% - 15.00% - 20.00% - 25.00% -	76,050 61,202 42,338 28,701
E	STIMATE	D 8/8 THS PRO	DUCTION		COMPANY NE	T SALES	AVI	ERAGE PRICES
		Plant Products	Gas	Oil/Cond.				Cond. Gas
DI VVEIIS	0	0	0	Darreis	0	0	0 (	0.00 0.00
	0	0	0		0			0.00 0.00 0.00 0.00
4	_	322,892	2.839		65 303,19	-		0.00 1.98
								0.00 1.98 0.00 1.98
		193,363	1,700					0.00 1.98
		139,622	1,228					0.00 1.98
-			730					0.00 1.98 0.00 1.98
4	203,384	67,102	590	174,6	61 57,62	24	397 50	0.00 1.98
								0.00 1.98 0.00 1.98
4	L18,680	39,156	345		99 34,14	47	237 50	0.00 1.98
4	L00,875	33,282	292	88,1	32 29,07	78	202 50	0.00 1.98
		1,845,538	16,230				),984 50	0.00 1.98 0.00 1.98
		2,000,228	17,590					0.00 1.98
6,0	0 062,603	0 2,000,228	0 17,590					
	COI	MPANY FUTUR		VENUE (FGR) - \$1	VI	ROY	ALTY	FGR AFTER PRODUCTION
From Oil/Cond	Pla		From Gas	Other	Total	Oil/Cond \$M	_Gas/P.P \$_	TAXES-\$M
	0	0	0	0	0	0	0	0
		-						0
45		9,096	4,162	Ō	59,206	2,087	444	56,675
								74,858 44,093
		4,765	2,180	ŏ	31,014	1,223	252	29,539
		3,460	1,583	0	22,521	866	180	21,475
		2,082	1,228 972	ŏ		497	138	16,658 13,227
8	733	1,729	791	ō	11,253	386	86	10,781
								8,932 7,532
		1,024	469	Ō	6,668	191	49	6,428
4	, 407	873	399	0	5,679	148	41	5,490
		47,578 4 129	21,769	0	309,691 26,878	11,584 617	2,419 197	295,688 26,064
		51,707	23,658	ŏ	336,569	12,201	2,616	321,752
		DEDUC	CTIONS - \$M		FU			
Operating Costs	Oth	Deve er Taxes	elopment	sportation 7				Discounted @ 10.00 %
	0	<u> </u>	4,516	0	4,516	-4,516	-4,516	-4,424
	0		18,747 12,195	0 0	18,747 12,195	-18,747 -12,195	-23,263 -35,458	-16,899 -9,952
2,4			25,055	8,442	35,964	20,711	-35,436 -14,747	-9,952 14,897
4,2	L3	0	312	11,211	15,736	59, 122	44,375	39,894
~ -	7 🔾	0	104 84	6,602 4,422	9,181 6,351	34,912 23,188	79,287 102,475	21,306 12,801
2,4 1.8	45				4,735	16,740	119,215	
1,8 1,4	58	0	66	3,211	7,100			8,361
1,8 1,4 1,0	58 52	0	16	2,490	3,568	13,090	132,305	5,917
1,8 1,4 1,0	58	0 0 0 0			3,568 3,225 2,529	13,090 10,002 8,252	132,305 142,307 150,559	
1,8 1,4 1,0 9 9	58 52 10 24 37	0 0 0 0	16 343 0 0	2,490 1,972 1,605 1,326	3,568 3,225 2,529 2,113	13,090 10,002 8,252 6,819	132,305 142,307 150,559 157,378	5,917 4,092 3,055 2,286
1,8 1,4 1,0 9, 7,6 6	58 52 10 24	0 0 0 0	16 343 0	2,490 1,972 1,605	3,568 3,225 2,529	13,090 10,002 8,252	132,305 142,307 150,559	5,917 4,092 3,055
	Number of Wells  4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	Number of Wells    Oil/Cond.     O 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Number of Wells	Moce	Number of Wells	Number of Wells	Number   OilvCond.   Barrels   Plant Products   Gas   OilvCond.   Barrels   Sales Common	Parents   Pare

THESE DATA ARE PART OF A RYDER SCOTT REPORT AND ARE SUBJECT TO THE CONDITIONS IN THE TEXT OF THE REPORT.

124,092 11,418 135,510

171,596

14,646 186,242

186,242

44,158 3,833 47,991



GRAND SUMMARY
WEST MULINSKI
PROVED UNDEVELOPED

PROVED UNDEVELOPED

11101	ED GREET E	REVENU	E INTERESTS	P	RODUCT	PRICE	ES S	D	SCOUN	TED
	EXPENSE INTEREST	Oil/ F	lant oducts Gas	Oil/Cond. \$/bbl.	Plt. Pr \$/bb	od.	Gas \$/MCF		RE NET IN	ICOME - \$M
INITIAL Final	<u> </u>	<u>Condensate</u> 110					ψηνιστ	10.00% - 12.00% -		0
REMARKS								15.00% - 20.00% -		0
								25.00% -		Ö
	-	IATED 8/8 THS P			OMPANY					PRICES
Period of	mber Oil/Cond Wells Barrels	Barrels	MMCF	Oil/Cond. Barrels	_ Bar	roduct	s Sales Ga MMCF		l/Cond. B/bbl.	Gas \$/MCF
2007 2008		0	0 0	0		0		0 0	0.00	0.00 0.00
2009 2010			0 0	0		0		0	0.00	0.00
2011		0	0 0	Ō		Ō		0	0.00	0.00
2012 2013		Ō	Ō Ō	0		0		Ö	0.00	0.00 0.00
2014 2015			0 0	0		0		0	0.00	0.00
2016		Ō	Ō Ō	Ö		Ō		Ö	0.00	0.00
2017 2018		0	0 0	0		0		0 0	0.00	0.00 0.00
2019 2020			0 0	0		0		0	0.00	0.00
2021			ŏ ŏ	ŏ		ŏ		ŏ	0.00	0.00
Sub-Total Remainder			0 0	0		0		0	0.00	0.00 0.00
Total Future			0 0	Ö		ŏ		ŏ	0.00	0.00
Cumulative			0 0							
Ultimate		=	-	ENUE (FGR) - \$M			ROYA	LTY	FGI	R AFTER
Period	From Oil/Cond.	From Plant Products	From Gas	Other	Total		Oil/Cond \$M	_Gas/P.P \$	T.A	DUCTION XES-\$M
2007	0	0	0	0	rotar	0	0	0		0
2008 2009	0		0	0		0	0	0		0
2010	Ō	Ō	Ō	Ō		Ō	Ö	ō		0
2011 2012	0		0 0	0 0		0	0	0		0 0
2013 2014	0		0	0		0	0	0		0
2015	Ō	Ō	Ō	Ō		Ō	Ö	ō		0
2016 2017	0		0 0	0 0		0	0	0		0 0
2018 2019	0		0	0		0	0	0		0
2020	Ō	Ō	Ō	Ō		Ō	Ö	ō		0
2021	0	_	0	0		0	0	0		0
Sub-Total Remainder	0	Ō	0 0	0 0		0	0	0		0 0
Total Future	0	0	0	0		0	0	O		0
-		DED	UCTIONS - \$M			FUTU	JRE NET INCO			
Period	Operating Costs	Other Taxes		sportation Tot			Undiscoun	Cumulative	@ 1	scounted .0.00 %
2007 2008	0 0	0	0	0	0		0 0	0		0
2009 2010	0	0	0	0	0		0	0		0
2011	Ō	Ō	Ō	Ō	Ō		Ö	Ō		0
2012 2013	0 0	0 0	0 0	0 0	0		0 0	0		0 0
2014 2015	0	0	0	0 0	0		0	0		0
2016	Ō	0	Ō	0	0		0	ō		0
2017 2018	0 0	0 0	0 0	0 0	0		0 0	0		0 0
2019 2020	0	0	0	0 0	0		0	0		0
2021	ŏ	ŏ	ŏ	ŏ	ŏ		ŏ	ŏ		ŏ
Sub-Total Remainder	0	0	0	0	0		0	0		0
Total Future	ŏ	ŏ	ŏ	ŏ	ŏ		ŏ			ŏ



GRAND SUMMARY
WEST MULINSKI
PROBABLE UNDEVELOPED

PROBABLE UNDEVELOPED

PROBABLE UNDEVELOPED										UNI	DEVELOPED	)	
			REV	ENUE IN	TERESTS	<u> </u>	PR	ODUCT PR	RICES	8	I	DISCOU	NTED
INITIAL FINAL REMARKS		EXPENSE INTEREST	Oil/ Condensate	Plant <u>Produc</u>	ts0	Gas C	bil/Cond. \$/bbl.	Plt. Prod. _\$/bbl.	_	Gas \$/MCF	FUTION TO STATE TO ST	DED  -  -  -  -	MONTHLY 87,896 76,050 61,202 42,338 28,701
		ESTIM	ATED 8/8 T	HS PROD	DUCTION		СО	MPANY NE	TSA	LES		<b>AVERAG</b>	E PRICES
	Number	Oil/Cond		Products	Gas		Oil/Cond.	Plant Prod	lucts	Sales Ga	as (	Oil/Cond.	Gas
<u>Period</u> <b>2007</b>	of Wells	Barrels	Ba	rrels 0	MMCF	<u> </u>	Barrels 0	Barrels	0	MMCF	0 -	\$/bbl. <b>0.00</b>	\$/MCF 0.00
2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021	4 4 4 4 4 4 4 4	978, 1, 433, 869, 586, 423, 320, 251, 203, 167, 140, 118,	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 22,892 22,875 33,363 89,622 95,805 33,108 95,280 66,246 89,156 13,282	7 5 4 4 3	0 0 339 .60 1 322	918,965 ,220,384 718,645 481,388 349,566 271,008 214,680 174,661 144,387 121,557 103,499 88,132	303, 1 402,6 237, 1: 158,8 115,3 89,4 70,8 57,6 47,6 40,1: 34,1 29,0	0 93 40 02 24 32 13 30 24 39 04	2 1	0 0 ,100 ,788 ,642 ,100 798 620 492 397 332 276 237	0.00 0.00 50.00 50.00 50.00 50.00 50.00 50.00 50.00 50.00 50.00 50.00	0.00 0.00 1.98 1.98 1.98 1.98 1.98 1.98 1.98 1.98
Sub-Total Remainder Total Future	•	5,593,7 468,8 6,062,6	857 15 603 2,00	15,538 54,690 30,228	16,2 1,3 17,5	60 90 5	,806,872 417,199 5,224,071	1,585,9 137,6 1,723,5	45		, 984 953 , 937	50.00 50.00 50.00	1.98 1.98 1.98
Cumulative Ultimate		6,062,6	0 503 2,00	0 0,228	17,5	0 90							
			COMPANY	FUTURE	GROSS	REVENUE (F	GR) - \$M			ROYA	LTY		R AFTER
Period		From il/Cond.	From Plant Prod	ucts	From Gas	Oth	ner	Total		Dil/Cond \$M	Gas/P.P	-	ODUCTION AXES-\$M
2007		0	I <u>lanti Tou</u>	0		0	0	0	)	0	<u> </u>	<u> </u>	0
2008 2009		0		0		0	0	0		0		0	0
2010		45,948	9,0	96	4,16	2	Ō	59,206	,	2,087	44	14	56,675
2011 2012		61,019 35,933	12,0 7,1	)/9 .13	5,52 3,25		0	78,625 46,300	) )	3,142 1,838	62 36		74,858 44,093
2013		24,069	4,7	65	2,18	80	0	31,014	,	1,223	25	52	29,539
2014 2015		17,478 13,551	3,4 2,6		1,58 1,22		0 0	22,521 17,461		866 665	18 13		21,475 16,658
2016 2017		10,734 8,733	2,1 1,7		97 79		0	13,831 11,253		497 386	10	)7 36	13,227 10,781
2018		7,219	1,4	29	65	<b>i4</b>	Ō	9,302	<u> </u>	300	7	0	8,932
2019 2020		6,078 5,175	1,2 1,0		55 46		0	7,8 <b>31</b> 6,668		241 191		58 19	7,532 6,428
2021		4,407		73	39		ŏ	5,679		148		1	5,490
Sub-Total		240,344	47,5		21,76	9	0	309,691		11,584	2,41	.9	295,688
Remainder Total Futur	е	20,860 261,204	4,1 51,7		1,88 23,65		0	26,878 336,569		617 12,201	19 2,61		26,064 321,752
					TIONS - \$I			·		RE NET INCO	ME BEFOR	RE INCOI	ME TAXES-\$M
Period	Ope	erating osts	Other Taxes	Deve C	lopment osts	Transportation	Tota		An	Undiscoun nual	Cumulative		Discounted <u>10.00 %</u>
2007 2008		0			4,516 8.747	0		,516 ,747		-4,516 -18,747	-4,51 -23,26		-4,424 -16,899
2009		0	C	) 1	2,195	0	12	,195		12,195	-35,45	8	-9,952
2010 2011		2,467 4,213	(		5,055 312	8,442 11,211		,964 ,736		20,711 59,122	-14,74 44,37		14,897 39,894
2012		2,475	C	)	104	6,602	9	,181		34,912	79,28	37	21,306
2013 2014		1,845 1,458	Ċ		84 66	4,422 3,211		,351 ,735		23,188 16,740	102,47 119,21		12,801 8,361
2015 2016		1,062 910	C		16 343	2,490 1,972		,568 ,225		13,090 10,002	132,30 142,30		5,917 4,092
2017		924	(	)	0	1,605	2	,529		8,252	150,55	59	3,055
2018 2019		787 6 <b>9</b> 5	(		0 381	1,326 1,117		,113 ,193		6,819 5,339	157,37 162,71		2,286 1,620
2020		710	C	)	0	950	1	,660		4,768	167,48	35	1,309
2021		569	(		_	810		,379		4,111	171,59	70	1,021
Sub-Total Remainder Total Futur	e	18,115 5,047 23,162	0	)	1,819 2,538 4,357	44,158 3,833 47,991	11	,092 ,418 ,510		171,596 14,646 186,242	186,24	12	85,284 2,612 87,896

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# ZHAIKMUNAI LLP ESTIMATED FUTURE RESERVES AND INCOME ATTRIBUTABLE TO TERMS OF THE PRODUCTION SHARING AGREEMENT BETWEEN THE REPUBLIC OF KAZAKHSTAN AND ZHAIKMUNAI LLP AS OF JULY 1, 2007

BISKI & AFONINSKI SUMMARY

212,868 35,075 247,943

Sub-Total

Remainder Total Future

TOTAL PROVED & PROBABLE RESERVES

TOTAL PV & PB

TO	TAL PR	OVED & PRO	DBABLE R	ESERVE	S							PV	& PB			
REVENUE INTERESTS					PRODUCT PRICES						DISCOUNTED FUTURE NET INCOME - \$M					
INITIAL FINAL REMARKS		EXPENSE INTEREST	Oil/ Condensa	t <u>e</u> Pr	Plant oducts	<u> </u>	as	Oil/Cond. \$/bbl.		lt. Prod. \$/bbl.	Ga: \$/MC	s CF	-	OUNDED 0% - 0% - 0% - 0% -	1,0 8 6 4	OME - \$M NTHLY 11,531 69,631 94,395 77,636 26,471
		ESTIM	ATED 8/8	THS P	RODUC	CTION			COMPA	ANY NET	SALES			AVE	RAGE	PRICES
Period	Number of Wells	Oil/Cond Barrels	. Plai	nt Produ Barrels	cts	Gas MMCF		Oil/Cond Barrels	. PI	ant Produc Barrels	ts S	ales Ga MMCF	as	Oil/Co \$/bb	nd.	Gas \$/MCF
2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021	2 4 12 12 14 16 19 19 19 19 19	2,210,4 3,817,8 6,538,6 6,875,2 5,292,9 5,265,6 5,587,7 4,339,1 2,895,8 1,948,3 1,322,9	0 0 424 354 1, 3523 2, 239 2, 771 2, 711 2, 161 2, 319 2, 326 1, 328 1,		20 24 25 13 16 16 16 16 16 16 16 16 16 16 16 16 16	15,83 30,63 53,86 63,33 56,23 57,99 54,44 43,5 34,88 27,88 22,13 17,55	36 92 76 17 45 34 61 71 54 83	2,058,6 3,372,0 5,583,8 5,717,6 4,340,2 4,353,1 4,725,7 3,703,6 2,490,1 1,680,8 1,148,3 789,1 546,1	956 1 900 2 988 2 991 2 900 2 999 2 999 2 999 1 935 1 969 1	00 679, 942, 245, 458, ,431, 294, ,122, 249, ,124, 491, ,209, 340, ,415, 770, ,145, 102, ,728, 603, ,387, 090, ,116, 416, 891, 031,		11 21 36 41 36 37 41 36 29 23 19	0 0,578 ,208 ,138 ,401 ,176 ,621 ,135 ,434 ,619 ,011 ,173 ,055	0.	00 00 00 00 00 00 00 00 00 00 00 00	0.00 0.00 1.98 1.98 1.98 1.98 1.98 1.98 1.98 1.98
Sub-Total Remainder Total Future		47,622,8 1,317,6 48,940,4	547 2,	907,67 235,95 143,62	2	540,29 48,50 588,80	02	40,509,7 1,161,9 41,671,6	000 1	,204,743 ,972,980 ,177,723	)	33	,078 ,598 ,676	50. 50. 50.	00	1.98 1.98 1.98
Cumulative Ultimate	timate 48,940,448		,	-			00	NUE (FGR) - \$M			ROYALTY				AFTER	
Period	C	From il/Cond.	Fro Plant Pr	n oducts		rom Gas		Other	-	Total	Oil/Cond.	- \$M	Gas/P.I			UCTION ES-\$M
2007		0		0			0	0	-	0		0		0		0
2008 2009		0 102, 932		0 ,398		22,948	0 B	0	1	0 46,278	4,	0 503	1,	0 ,546	1	0 40,129
2010 2011		168,603 279,190		,364 ,667		42,034 71,626		0		48,001 14,483	7,0 13,	634 509		,845 ,045		37,522 95,929
2012		285,884	72	,939		82,056	5	0	4	40,879	14,	016	5,	765	4	21,098
2013 2014		217,015 217,656		,735 ,280		71,70		0		52,451 58,501	10,! 10.:			,052 ,241		36,890 42,936
2015		236,285	72	,473		81,532	2	0	3	90,290	11,	147	5,	727		73,416
2016		185, 185		,353		72,397		0		21,935		222		,003		08,710
2017 2018		124,509 84,042		,858 .613		58,340 46,814		0		34,707 72,469		283 363		, 991 , 147		25,433 65,959
2019		57,419		,493		37,679	9	0	1	28,591		187		494	1	23,910
2020 2021		39,457 27,310		,731 ,238		30,072 23,894		0		96,260 72,442		400 891		,991 ,581		92,869 69,970
Sub-Total Remainder Total Future		2,025,487 58,095 2,083,582	59	,142 ,190 ,332		715,658 66,588 782,246	В	0 0 0	1	77,287 83,873 61,160	93,0 1, 94,8	737	4,	,428 ,408 ,8 <b>3</b> 6	1	34,771 77,728 12,499
				DEC	UCTIO	NS - \$N	Л			FUT	URE NET	INCO	ME BEF	ORE IN	СОМЕ	TAXES-\$I
Period	Ор	erating Costs	Other Tax		Developn Costs		ransportation	on.	Total			discour				ounted
2007		0	Outer Tax	0	67,0			<u> </u>	67,08	3	-67,08	3 -	-67,		_	65,705
2008 2009		0 5,204		0	103,7 86,3		18,91	0	103,70 110,50		-103,70 29,62		-170, -141,			93,483 22,740
2010		11,335		ŏ	65,5		32,02	8	108,95		128,56	5	-141, -12,			95,328
2011		19,631		0	62,8	329	53,50	7	135,96	7	259,96	2	247,	,373	1	73,039
2012 2013		23,971 20,844		0	2,0 20,7		56,82 45,34		82,89 86,94	2	338, 19 249, 94		585, 835,		1	06,250 37,470
2014		22,976		0	20,6	550	46,09	7	89,72	3	253,21	3	1,088,	,733	1	25,995
2015 2016		23,403 21,564		0	30,0 3,9		50,18 41,31		103,61		269,800 241,90		1,358, 1,600,			21,558 99,055
2017		19,651		0	-,	0	30,04	1	49,69	2	175,74	1	1,776,	181		65,129
2018 2019		14,852 11,622		0	A 4	0 363	22,01 16,37	8	36,87 32,36		129,08 91,54		1,905, 1,996,			43,300 27,804
2020		10,438		0	7,	0	12,23	2	22,67	0	70,19	9	2,067,	,018		19,293
2021		7,377		0		0	9,18		16,56		53,40	6	2,120,	,424		13,285

THESE DATA ARE PART OF A RYDER SCOTT REPORT AND ARE SUBJECT TO THE CONDITIONS IN THE TEXT OF THE REPORT.

1,114,347 87,362 1,201,709

2,120,424 90,366 2,210,790

2,210,790

991,058

20,473 1,011,531

434,072 23,231 457,303

467,407 29,056 496,463



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### ZHAIKMUNAI LLP ESTIMATED FUTURE RESERVES AND INCOME ATTRIBUTABLE TO TERMS OF THE PRODUCTION SHARING AGREEMENT BETWEEN THE REPUBLIC OF KAZAKHSTAN AND ZHAIKMUNAI LLP AS OF JULY 1, 2007

BISKI & AFONINSKI SUMMARY

TOTAL PROVED RESERVES

68,755 6,783 75,538

Sub-Total Remainder Total Future TOTAL PROVED

•	JIAL III	OTED KESEI		E INTERESTS		DE	ODUCT PRICE		O1LD	COUNTED
		EXPENSE		lant	Oil	/Cond.	Plt. Prod.	Gas		SCOUNTED E NET INCOME - \$M
INITIAL FINAL REMARKS		INTEREST		oducts Gas	<u> </u>	S/bbl.	_\$/bbl	\$/MCF	COMPOUNDE 10.00% - 12.00% - 15.00% - 20.00% - 25.00% -	MONTHLY 431,054 384,525 324,762 246,187 187,068
		ESTIM	ATED 8/8 THS P	RODUCTION		co	MPANY NET S	SALES	A۱	ERAGE PRICES
	Number	Oil/Cond		cts Gas_		il/Cond.	Plant Product		as Oil/	Cond. Gas
Period 2007 2008 2009 2010 2011 2012	2 2 4 4	2,210,4 3,168,4 3,109,8 2,778,9	0 424 730,07 484 1,201,14 321 1,300,12	0 26,055 0 28,202	2, 2, 2, 2,	0 0 058,637 762,303 664,270 331,313	Barrels 0 0 679,942 1,047,161 1,113,848 1,092,124	17 18	0 0 ,578 ,831 ,968	/bbl.         \$/MCF           0.00         0.00           0.00         0.00           0.00         1.98           0.00         1.98           0.00         1.98           0.00         1.98           0.00         1.98
2013 2014 2015 2016 2017 2018 2019 2020 2021	4 4 4 4 4 4 4	1,839,4 1,225,9 823,6 558,2 382,2 264,6 185,3 131,3	975 833,16 505 666,53 295 533,22 257 426,58 505 341,26 314 273,01 375 218,41	9 18,073 6 14,458 7 11,567 4 9,254 5 7,402 4 5,922 0 4,738	1,	503,678 016,714 699,650 481,435 331,605 229,899 161,841 115,324 82,820	851,356 690,956 566,220 459,819 370,058 296,503 238,432 191,725 153,460	11 9 7 6 5 4	,765 ,642 ,829 ,302 ,049 ,060 ,265	50.00     1.98       50.00     1.98       50.00     1.98       50.00     1.98       50.00     1.98       50.00     1.98       50.00     1.98       50.00     1.98       50.00     1.98       50.00     1.98
Sub-Total Remainder Total Future	•	16,772,8 205,8 16,978,7	374 468,90	6 10, 171		439,489 181,892 621,381	7,751,604 414,331 8,165,935	7	,056 <u> </u>	50.00 1.98 50.00 1.98 50.00 1.98
Cumulative Ultimate		16,978,7	-	·	)	GR) - \$M		ROYA	ALTY	FGR AFTER
Daviad		From	From	From	· · · · · ·		Takal	011/01 014	O /D D	PRODUCTION TAXES-\$M
<u>Period</u> <b>2007</b>		il/Cond.	Plant Products  0	Gas 0	Othe	<u> </u>	Total	Oil/Cond \$M	<u>Gas/P.P \$</u>	0
2008 2009 2010 2011 2012 2013 2014		0 102,932 138,115 133,214 116,565 75,184 50,836	0 20,398 31,415 33,416 32,763 25,541 20,729	0 22,948 35,342 37,592 36,859 28,733 23,320		0 0 0 0 0	0 146,278 204,872 204,222 186,187 129,458 94,885	0 4,603 6,249 5,993 5,354 3,304 2,053	0 1,546 2,392 2,606 2,519 1,902 1,544	0 140,129 196,231 195,623 178,314 124,252 91,288
2015 2016 2017 2018 2019 2020 2021		34,982 24,072 16,580 11,495 8,092 5,766 4,142	16,986 13,795 11,101 8,896 7,153 5,751 4,604	19,110 15,518 12,490 10,007 8,047 6,471 5,179		0 0 0 0 0	71,078 53,385 40,171 30,398 23,292 17,988 13,925	1,270 765 512 345 234 159 108	1,265 1,027 827 662 533 428 343	68,543 51,593 38,832 29,391 22,525 17,401 13,474
Sub-Total Remainder Total Future	e	721,975 9,094 731,069	232,548 12,430 244,978	261,616 13,983 275,599		0 0 0	1,216,139 35,507 1,251,646	30,949 237 31,186	17,594 925 18,519	1,167,596 34,345 1,201,941
	_		DED	UCTIONS - \$M			FUTU	JRE NET INCO	ME BEFORE	INCOME TAXES-\$N
Period		erating	Other Tayes	Development Tro	nonortotion	To+-		Undiscoun		Discounted @ 10.00 %
2007 2008 2009 2010 2011 2012 2013 2014 2015 2016		0 5,204 9,648 10,033 10,105 7,884 6,293 4,445 3,615 3,394	Other Taxes 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	32,478 45,109 44,335 24,627 20,836 1,308 309 345 206 1,298	0 0 18, 917 26, 449 26, 330 23, 968 16, 620 12, 148 9, 077 6, 801	45 68 60 57 35 24 18 13	2,478 ,109 ,456 ,724 ,799 ,381 ,813 ,786 ,786 ,728	Annual -32,478 -45,109 71,673 135,507 138,424 142,933 99,439 72,502 54,815 39,879 20,333	Cumulative -32,478 -77,587 -77,587 -5,914 129,593 268,017 410,950 510,389 582,891 637,706 677,585	-31,811 -40,664 57,048 100,948 92,593 87,162 54,884 36,222 24,787 16,327
2017 2018 2019 2020 2021		3,394 2,636 2,117 1,959 1,422	0 0 0 0	0 0 1,442 0 0	5,105 3,855 2,949 2,273 1,758	6 6 4	3,499 ,,491 ,,508 3,232 3,180	30,333 22,900 16,017 13,169 10,294	707,918 730,818 746,835 760,004 770,298	11,238 7,680 4,865 3,618 2,560

THESE DATA ARE PART OF A RYDER SCOTT REPORT AND ARE SUBJECT TO THE CONDITIONS IN THE TEXT OF THE REPORT.

397,298 20,856 418,154 770,298 13,489 783,787 427,457 3,597 431,054

783,787

156,250 4,470 160,720

172,293 9,603 181,896

000



BISKI & AFONINSKI SUMMARY

TOTAL PROBABLE RESERVES

TOTAL PROBABLE

1,427,002

563,601

16,876 580,477

1,350,128

76,874 1,427,002

	REVENUE INTERESTS						PRODUCT PRICES					DISCOUNTED			
		EXPENSE	Oil/	Pla	nt		Oil/Co	nd.	Plt. Pı	rod.	Gas			NET INCO	
INITIAL	-	INTEREST	Condensat	e Prod	ucts_	Gas	\$/bb	DI	\$/bb	<u> </u>	\$/MCF	10.0	0% -	58	30,477
FINAL REMARKS													10% – 10% –		35,105 59,633
nemanito													0% –		31,449
												25.0	10% –	13	39,403
	_	ESTIM	ATED 8/8	THS PR	ODUCTIO	N		CC	MPANY	NET S	ALES		AVE	RAGE P	RICES
	Number of Wells	Oil/Cond Barrels		t Product Barrels	s Ga MM	is CF	Oil/C Bar			Products rrels	s Sales Ga MMCF		Oil/Co \$/bl	ond. bl	Gas \$/MCF
2007	<u> </u>	Darroio	0	0		0		0		0		0		0.00	0.00
2008 2009			0	0		0		0		0		0		).00 ).00	0.00 0.00
2010	2	649,	-	11,180	4	,581	60	9,753	198	8,297	3	,377		0.00	1.98
2011	8	3,428,	802 1,1	84,304	25	,690		9,530		8,401	17	,170		0.00	1.98
2012 2013	8 10	4,096,3 3,453,4		19,909 49,999	33	,137 ,625		6,375 6,613		9,170 3,135		,804 ,679		).00 ).00	1.98 1.98
2014	12	4,039,0	096 1,8	38,174	39	,872	3,33	6,410	1,51	8,384	25	,856	50	.00	1.98
2015 2016	15 15	4,764, 3,780,		.88,610 77,439		,476 ,894		6,050 2,264		9,550 5,283		,493 ,700		).00 ).00	1.98 1.98
2017	15	2,513,	562 1,5	81,950	34	.317	2,15	8,587	1,35	8,545	23	, 132	50	.00	1.98
2018 2019	15 15	1,683, 1,137,		65,564 12,448	27 21	,452 ,961		0,936 6,528		0,587 7,984		,570 ,951		).00 ).00	1.98 1.98
2020	15	772,	667 É	01,876	17	, 396	67	3,830	69	9,306	11	, 908	50	.00	1.98
2021	15	530,	374 6	34,666	13	,768	46	3,377	55	4,497	9	, 442	50	0.00	1.98
Sub-Total		30,849,		66,119	344	, 169		0,253	13,45			,082		.00	1.98
Remainder Total Future		1,111, 31,961,		67,046 33,165	38 382	,331 ,500		0,008 0,261	15.01	8,649 1.788		,542 ,624		).00 ).00	1.98 1.98
		,,		•		•	,	-,		_,		,			
Cumulative Ultimate		31,961,	0 717 17.6	0 33,165	382	0 500,									
		, ,		•		•	/ENUE (FGR	) - SM			ROYA	LTY		FGR A	AFTER
		rom	From	1	From	·	•	, <b>Ç</b>						PRODU	
<u>Period</u> <b>2007</b>	Oil	/Cond.	Plant Pro	ducts _	Gas	0	Other	0 -	Total	0	Oil/Cond \$M	Gas/P	<u>P.P \$</u>	IAXE	ES-\$M 0
2007		Ö		ö		ŏ		Ö		ŏ	ŏ		ŏ		Ö
2009		20 488	_	0	,	0		0	40	0	0		0		0
2010 2011		30,488 145,976		949 252	34,	693 033		0	43, 210,		1,385 7,517	2	453 2,439		11,292 00,305
2012		169,319	40,	175	45,	197		0	254,	691	8,660	3	, 246	24	12,785
2013 2014		141,831 166,820		194 552	42, 51,			0	222,° 263,		7,206 8,271		1,149 1,698		12,638 51,648
2015		201,303	55,	486	62,	422		0	319,	211	9,877	4	, 462	30	)4,872
2016 2017		161,113 107,929		559 756	56, 45,			0	268, 194,	550 536	7,458 4,770		, 976 , 164		57,116 86,602
2018		72,547	32,	718	36,	807		0	142,	072	3,018	2	, 485	13	36,569
2019 2020		49,326 33,692	26, 20	339 979	29, 23,			0	105,2 78,2		1,953 1,241		.,961 .,563		01,383 75,469
2021		23,169		635	18,			ŏ	58,		782		.,238		56,498
Sub-Total	1	,303,513	403,	594	454,	042		0	2,161,	149	62,138	31	.,834	2.06	57,177
Remainder		49,000	46,	760	52,	604		0	148,	364	1,501	3	, 482	14	13,381
Total Future	1	,352,513	450,	354	506,	646		0	2,309,	513	63,639	35	, 316	2,21	10,558
				DEDII	CTIONS -	¢M.				EUTU	IRE NET INCO	ME DEI	EODE II	NCOME .	TAVEC ¢M
		rating				φivi				1010	Undiscoun		-ORL II		ounted
Period	Co	rating osts	Other Taxe	<u></u>	velopment Costs	Tran	sportation _	Tota			nnual	Cumula		@ 10.	00 %
2007 2008		0		0	34,605 58,591		0		1,605 3,591		-34,605 -58,591		, 605 , 196	-3 -5	33,894 52,818
2009		0		0	42,044		0	42	,044		-42,044	-135	, 240	-3	34,309
2010 2011		1,687 9,599		0	40,967 41,994		5,579 27,177		3,233 3,770		-6,941 121,535		, 181 , 646		-5,621 30,447
2012		13,865		0	789		32,861		,515		195,270		,624		19,088
2013		12,959		0	20,447		28,723	62	,129		150,509		, 133	8	32,586
2014 2015		16,684 18,958		0	20,305 29,822		33,949 41,103		9,938 9,883		180,710 214,989		,843 ,832		39,774 26,771
2016		17,949		0	2,629		34,516	55	,094		202,022	922	,854	8	32,727
2017 2018		16,257 12,216		0	0		24,936 18,163		l,193 ),379		145,409 106,190	1,068 1,174			53,890 35,622
2019		9,505		0	2,921		13,427	25	,853		75,530	1,249	, 983	2	22,938
2020 2021		8,479 5,955		0	0		9,959 7,429		3,438 3,384		57,031 43,114	1,307 1,350			l5,676 l0,724
	_			_		_	.,		,		,	_,	, <del>-</del>		,

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717,049 66,507 783,556

277,822

18,762 296,584

000

Sub-Total

Remainder Total Future

28,293 172,406

295,114 19,452 314,566

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