MIE HOLDINGS CORPORATION Summary Data from Chapman Reserve Report

Emir-Oil, LLC ADEK Block, Republic of Kazakhstan

Estimated

Future Reserves, Prospective Resources and Income

Derived Through Kazakhstan Projects

Escalated Parameters

As of

December 31, 2015

MIE HOLDINGS CORPORATION

Summary Data from Chapman Reserve Report Emir-Oil ADEK Block, Republic of Kazakhstan As of December 31, 2015

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EXECUTIVE SUMMARY

MIE Holdings Corporation is pleased to prepare this report summarizing some of the key information presented in Chapman reserves reports provided to subsidiary of MIE Holdings Corporation (MIEH) on March 9, 2016. The information presented in this report includes information presented in the year-end reports, as of December 31, 2015, of MIEH's wholly owned subsidiary: Emir-Oil, LLC, which operates four production contracts and one exploration contract in Kazakhstan. The contents of this document are derived from Chapman report without change, and do not vary in any material fashion from the report dated March 9, 2016. In their report, Chapman prepared estimates of the proved, probable and possible reserves, future production and income, and estimates of undiscovered prospective resources derived through the contract of Emir-Oil. The subject properties are located onshore in the Republic of Kazakhstan (ROK) in the Mangistau Oblast, approximately 50 kilometers from Aktau .

Hydrocarbon Prices

Under the terms of the contract, a portion of production is required to satisfy the domestic market and the remaining is allowed to be exported. Chapman has utilized an export/domestic sales split of 89%/11% for the purpose of this report based on the previous year's actual result.

The exported oil price is equivalent to Brent oil price. The forecast Brent oil price has been based on the average forecast of two prominent consulting firms, Sproule and McDaniel.

The domestic price is legislated by the government, reduced by the Value Added Tax (VAT) of 12%. This price is forecast to gradually increase related to be constant throughout the report.

A natural gas price of \$0.85/Mscf has been utilized for solution gas sales and assumed to be constant throughout the report.

Attachment 1

CHAPMAN PETROLEUM ENGINEERING LTD. CRUDE OIL & NATURAL GAS HISTORICAL AND CONSTANT PRICES January 1, 2016

		Kazakhstan	Kaz-Gas
	Brent [1]	Domestic Oil [2]	Gas sales price [3]
Year	\$US/STB	\$US/STB	\$US/Mscf
HISTORICAL PR	ICES		
2008	96.94	N/A	N/A
2009	61.74	N/A	0.82
2010	79.61	N/A	1.40
2011	111.26	N/A	1.16
2012	111.63	51.16	1.17
2013	108.56	41.24	1.35
2014	99.43	40.86	1.13
2015	53.32	11.80	0.85
FORECAST PRIC	CES		
2016	46.25	9.39	0.85
2017	58.10	15.79	0.85
2018	67.50	20.86	0.85
2019	75.85	25.37	0.85
2020	78.50	26.80	0.85
2021	81.26	28.29	0.85
2022	84.03	29.78	0.85
2023	87.01	31.39	0.85
2024	88.49	32.19	0.85
2025	90.04	33.03	0.85
2026	91.60	33.87	0.85
2027	93.26	34.77	0.85
2028	94.89	35.65	0.85
2029	96.52	36.53	0.85
2030	98.27	37.47	0.85
2031	100.00	38.41	0.85
2032	101.76	39.36	0.85
2033	103.55	40.32	0.85
2034	105.38	41.31	0.85
2035	107.23	42.31	0.85
2036	109.13	43.33	0.85

Notes:

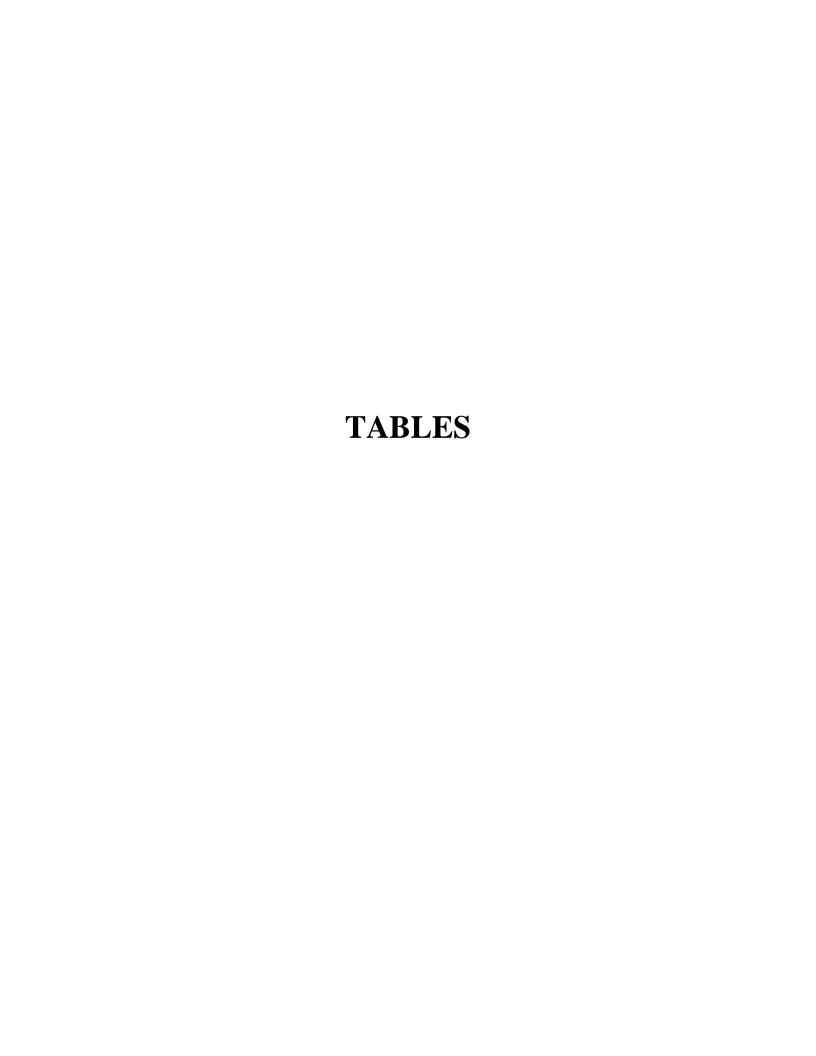
- [1] Brent price forecast is based on historical data (Source: Sproule and McDaniel)
- [2] Kazakhstan domestic oil price forecast is based on actually domestic sales price per relationship with Brent and trend related year 2014 and 2015.
- [3] Kazakhstan domestic Gas price is based on actually sales prices net of VAT in 2015 provided by clients.

Geology

This project is located at the edge of the Mangistau Ustyrt Central High which contains several producing oilfields in the area. The main producing horizon is the Middle Triassic carbonate.

The project is covered by several vintages of 2D seismic plus a recent 3D survey. The Middle Triassic structure top is represented by the reflection horizons T2 and T1.

The Jurassic, a clastic sand shale sequence with some carbonate, lies about 950m above the Triassic throughout the block. The Jurassic is a secondary opportunity for hydrocarbon potential as indicated by log analysis. Resource potential has been identified, but reserves have not been assigned or evaluated in Chapman report.



Summary of Company Reserves and Economics

Before CIT & EPT

January 1, 2016

MIE Holdings Corporation

Net To Appraised Interest Reserves Sales Gas Cumulative Cash Flow (Before CIT & EPT) - M\$ Light and Medium BOE OII MSTB MMscf Mbbls Discounted at: Gross Description Gross Net Gross Net Undisc 5%/year 10%/year 15%/year 20%/year Proved Developed Producing 453 4.661 453 4.661 1,230 1,230 6.299 5,240 4,446 3,836 3,357 Dolinnoe 1,022 1,022 2,461 2,461 1,433 1,433 13,062 10,859 9.236 8,000 7.032 0 0 0 0 0 0 0 0 0 0 0 Kariman 4,466 4,466 1,827 1,827 4,770 4,770 108,103 82,785 66,162 54,651 46.323 Exploration Area (Borly, NK, Yessen) Borly 0 0 0 0 0 0 0 0 Ω 0 0 North Kariman 1,694 1,694 637 637 1,800 1,800 45,835 34,487 27,345 22,555 19.167 Yessen 0 0 0 Total Proved Developed Producing 7,636 7,636 9,587 9,567 9,233 9,233 173,299 133.371 107.189 89,041 75,878 Proved Developed Non-Producing Aksaz 909 909 5,963 5.963 1,903 1,903 30,938 21,849 15,978 12.019 9.253 Dolinnoe 2,969 2,969 6,180 6,180 3,999 3,999 115,332 72.973 48.806 34,141 24,772 Emir 785 785 143 143 808 808 23 022 16,654 12.392 9,446 7,352 Kariman 12.970 12,970 5.083 5,083 13,817 13,817 453,307 307,956 220,815 165,231 127,906 Exploration Area (Borly, NK, Yessen) Borly 0 0 0 0 0 0 0 0 0 0 0 North Kariman 0 0 0 0 0 D 0 0 0 0 0 Yessen 339 339 104 104 356 356 5,718 3,763 2,632 1,907 1.409 Total Proved Developed Non-17,971 17,971 17,474 17,474 20,863 20,883 628,317 423,197 300,622 222,744 170,691 Producina Total Proved Developed 25,606 25,606 27,081 27,061 30,116 30,116 801.616 556,567 407,812 311,785 246,570 Proved Undeveloped Aksaz 571 571 3,583 3,583 1,168 1,168 10,526 6,304 3.660 1.967 865 Dolinnoe 2,212 2,212 3,832 3,832 2,851 2,851 58,601 33,099 19,435 11,686 7.066 Emir 678 678 131 131 700 700 10,970 6,086 3,290 1,667 719 Kariman 2,664 2.664 1,126 1,126 2,852 2,852 64,850 44,176 30,748 21,734 15,515 Exploration Area (Borly, NK, Yessen) Borly 0 0 0 0 0 0 n 0 0 0 0 North Kariman 671 671 241 241 711 711 3 791 550 (1,263)(2,280)(2,841)Yessen 123 123 32 32 128 128 682 99 (227)(410) (511) Total Proved Undeveloped 6,919 6,919 8,946 8,946 8,410 8,410 149,421 90,314 55,643 34,364 20,811 Total Proved 32,525 32,525 36,006 36,006 38,526 38,526 951,037 646,882 463,455 346,149 267,361 Probable Probable Developed Producing Aksaz 480 480 4.515 4,515 1,232 1,232 6,822 4,848 3,468 2,471 1.731 Dolinnoe 529 529 1,189 1,189 727 727 5.495 1.963 (143)(1,453)(2,298)Emir 174 174 19 19 177 177 1,180 852 610 427 287 Kariman 2,861 2,861 1,163 1,163 3.055 3.055 66,431 31,459 13,496 3,307 (2,920)Exploration Area (Borly, NK, Yessen) 0 0 0 0 0 o 0 0 0 0 0 North Kariman 970 970 359 359 1,030 1,030 23,531 9,246 3.048 (52) (1.793)Yessen 0 0 Total Probable Developed Producing 5,014 5,014 7,245 7,245 6,221 6,221 103,458 48,369 20,479 4.701 (4.992)Total Proved Plus probable 12,649 12,649 16,832 16,832 15,455 15.455 276,757 181,740 127,668 93,742 70,887 Developed Producing

Total Proved Plus Probable Plus Possible	124,952	124,952	120,439	120,439	145,025	145,025	4,669,784	2,353,753	1,348,872	848,572	571,478
Total Possible	28,802	28,802	28,058	28,058	33,479	33,479	1,237,063	522,249	247,458	128,661	72,076
Yessen	2,636	2,636	696	696	2,752	2,752	90,923	43,185	22,597	12,716	7,565
North Kariman	357	357	128	128	378	378	12,503	5,939	3,107	1,749	1,040
Borly	11,661	11,661	10,845	10,845	13,469	13,469	444,962	211,341	110,586	62,231	37,021
Exploration Area (Borly, NK, Yessen)											
Kariman	1,687	1,687	645	645	1,795	1,795	80,274	31,053	12,956	5,788	2,744
Emir	5,986	5,986	787	787	6,117	6,117	300,283	109,526	44,502	19,672	9,306
Dolinnoe	5,987	5,987	10,883	10,883	7,801	7,801	290,544	109,762	46,045	21,240	10,703
Aksaz	488	488	4,074	4,074	1,167	1,167	17,574	11,443	7,666	5,265	3,696
Possible											
Total Proved Plus Probable	96,150	96,150	92,381	92,381	111,547	111,547	3,432,721	1,831,505	1,101,414	719,911	499,402
Total Probable	63,625	63,625	56,374	56,374	73,021	73,021	2,481,684	1,184,623	637,959	373,762	232,021
Total Probable Undeveloped	18,157	18,157	23,911	23,911	22,143	22,143	604,565	296,582	156,297	86,731	49,861
Yessen	1,641	1,641	433	433	1,713	1,713	59,441	30,674	17,211	10,283	6,446
North Kariman	1,650	1,650	592	592	1,749	1,749	60,655	31,300	17,563	10,493	6,577
Borly	3,887	3,887	3,615	3,615	4,490	4,490	155,733	80,365	45,093	26,941	16,887
Exploration Area (Borly, NK, Yessen)									,		,
Kariman	4,658	4,658	1,846	1,846	4,965	4,965	146,330	72,985	38,035	20,391	11,064
Emir	379	379	76	76	392	392	11,634	5,154	2,330	1,053	461
Dolinnoe	4,715	4,715	8,169	8,169	6,076	6,076	150,928	64,597	29,539	14,066	6,772
Aksaz	1,228	1,228	9,179	9,179	2,758	2,758	19,843	11,507	6,526	3,505	1,656
Probable Undeveloped											
Producing	40,454	40,454	25,218	25,218	44,657	44,657	1,773,661	839,672	461,183	282,331	187,151
Yessen Total Probable Developed Non-	5,154	5,154	1,600	1,600	5,421	5,421	203,906	122,774	80,598	56,357	41,346
North Kariman	2,486	2,486	1,686	1,686	2,767	2,767	104,099	62,679	41,147	28,772	21,108
Borly	3,687	3,887	3,615	3,615	4,489	4,489	168,857	101,671	66,744	46,670	34,239
Exploration Area (Borly, NK, Yessen)											
Kariman	22,464	22,464	8,565	8,565	23,892	23,892	1,036,202	414,612	194,078	103,029	60,390
	4,359	4,359	639	639	4,465	4,465	190,464	99,095	55,409	32,775	20,277
Emir	1,463	1,463	3,334	3,334	2,019	2,019	50,030	24,665	12,961	7,165	4,106
Dolinnos	640	640	5,779	5,779	1,603	1,603	20,103	14,175	10,245	7,564	5,686
Aksaz	040	0.40	5 770	£ 330	4 000						

M\$ means thousands of United State dollars

Gross reserves are the total of the Company's working and/or royalty interest share before deduction of royalties owned by others.

Gross and net Company's reserves are actually equivalent, however the cash flows for each property show the net reserves reduced, as a result of the treatment of the ERT and MET.

Columns may not add precisely due to accumulative rounding of values throughout the report.

Total Proved Developed Producing

Table 1a Page 1

Forecast Prices & Costs

MIE Holdings Corporation

ADEK Block, Kazakhstan

Company Cost and Cash Flow Analysis Total Proved Developed Producing Consolidation

Escalculated

					Net Revenue		Opex Cost	Schedule	e.		Abandon- ment	Opex, Capex	Undiscounted		Disco	unted @		Undiscounted
		oil	Gas	Oil + Gas	Before Opex	-	Oil	Gas		Total		Орех, Сарех	Net Cash Flow	7				Net Cash
	Well Count	Production	Production	Production	& Capex	Oil Fixed	Variable	Cost	Total Opex	Capital	Cost	and ABN	(Profit)	5%	10%	15%	20%	Flow After CIT & EPT
Year		MSTB	MMscf	MBOE	M\$/yt-	M\$/yr-	MS/yr-	M\$/yr.	M\$/yr-	M\$/yr.	MS/yr.	M\$/yr.	M\$/yr.	MS/yr-	M\$/yr.	M\$/yr.	MS/yr-	MS/yr.
2016	19	1,249	1,845	1,556	22,522	5,624	4,233	923	10,780	0	0	10,780	11,742	11,459	11,196	10,950	10,719	11,742
2017	19	1,034	1,501	1,284	30,476	5.624	3,504	751	9,878	0	0	10,076	20.401	18,961	17,683	16,542	15.519	19,105
2018	19	862	1,227	1,067	30.395	5.624	2,924	613	9,161	0	0	9,531	20,864	18,468	16,441	14,711	13,226	19,129
2019	18	725	1,003	892	29,253	5,328	2,456	502	8,286	0	0	8,793	20,460	17,248	14,657	12,545	10,809	18,383
2020	17	611	805	745	25,851	5,032	2,070	402	7,504	0	0	8,123	17,728	14,234	11,545	9,452	7,805	15,775
2021	16	513	665	624	22,414	4,736	1,739	332	6,807	0	0	7,516	14,898	11,391	8,820	6,907	5,465	13,187
2022	16	438	553	530	18.991	4,736	1,486	276	6,498	0	0	7,318	11,673	8.500	6,282	4,706	3,569	10,469
2023	16	376	462	453	18.030	4.736	1.275	231	6,241	0	0	7,169	10,861	7,533	5,314	3,807	2,767	9,380
2024	14	314	354	373	15,393	4.144	1,065	177	5,386	0	0	6,311	9.082	5,999	4.040	2,769	1,928	7,851
2025	13	270	292	319	13,119	3,848	917	146	4,911	0	0	5,869	7.250	4,561	2,932	1,922	1,283	6,379
2026	12	232	246	273	11,516	3,552	787	123	4,462	0	0	5,439	6.077	3,641	2,234	1.401	896	5,291
2027	11	198	198	231	10,059	3.256	671	99	4,026	0	0	5,006	5.053	2,883	1,689	1,013	621	4,414
2028	9	164	101	180	8,453	2,664	555	50	3,269	0	0	4,146	4.307	2,341	1,309	751	441	3,804
2029	8	139	78	152	7,356	2,368	472	39	2,879	0	0	3,724	3,631	1,879	1,003	550	310	3,234
2030	8	122	69	134	6,620	2,368	415	34	2,817	0	0	3,717	2.903	1,431	729	383	206	2.594
2031	7	101	58	111	5,604	2,072	343	29	2,444	0	θ	3,290	2.314	1,086	528	265	137	2.076
2032	6	83	49	92	4,572	1,776	283	25	2,083	.0	0	2,860	1.712	765	355	171	85	1,551
2033	5	67	27	71	3,739	1.480	226	13	1,720	0	0	2,408	1,331	567	251	115	55	1,219
2034	5	59	24	63	3,390	1.480	201	12	1,692	0	0	2.417	973	394	167	73	33	903
2035	4	47	19	50	2,741	1,184	159	9	1,352	0	0	1.969	772	298	120	51	22	712
2036	3	31	12	33	752	888	106	6	1,000	0	0	1,486	(733)	(270)	(104)	(42)	(17)	(733)
Total		7,636	9,587	9,233	291,247	72,520	25,885	4,793	103,198	0	0	117,948	173,299	133,371	107,189	89,041	75,878	156,467

296,00 \$3.39 0,50 M\$/yr/weil \$/STB \$/Mcf

Total Proved (1P)

Page 1

Forecast Prices & Costs

MIE Holdings Corporation ADEK Block, Kazakhstan Company Cost and Cash Flow Analysis

Total Proved Consolidation

Escalculated

					Net Revenue		Opex Cost	Schedule			Abandon- ment	. Opex, Capex	Undiscounted		Discou	nted @		Undiscounted
	Well Count	oil Production	Gas Production	Oil + Gas Production	Before Opex & Capex	Oil Fixed	Oil Variable	Gas Cost	Total Opex	Total Capital	Cost	and ABN	Net Cash Flow (Profit)	5%	10%	15%	20%	Net Cash Flow After CIT & FPT
Year		MSTB	MMscf	MBOE	MS/yr.	M\$/yt.	M\$/vr.	MS/vr.	MS/yr.	M\$/yt.	M\$/yr.	M\$/yr.	M\$/yr.	MS/yr;	MS/yr.	M\$/yr.	M\$/yr.	M\$/yr.
2016	20	1.419	1,980	1,749	25,492	5,920	4,810	990	11,720	10,700	0	22,420	3,072	2,998	2,929	2,865	2,805	2,802
2017	21	1,265	1,709	1,549	37,185	6.216	4,287	854	11,358	11,700	0	23,519	13,666	12,702	11,846	11,082	10,396	12,415
2018	34	2,677	2,047	3,018	90,234	10,064	9,075	1,024	20.163	16,450	50	38,144	52,090	46,:09	41,046	36,729	33,022	24,827
2019	42	3,086	3,612	3,688	121,227	12,432	10,460	1,806	24.698	11,300	50	38,255	82,972	69,947	59,437	50,873	43,833	44,003
2020	43	2,956	3,703	3,574	125,033	12,728	10,022	1.852	24,602	10,100	50	37,617	87,416	70,184	56,928	46,607	38,484	42,367
2021	45	2,790	3,221	3,326	121,594	13,320	9,457	1.610	24,387	16,800	0	45,474	76,120	58,205	45,065	35,291	27,926	36,515
2022	47	2,817	3,131	3,338	128,540	13,912	9,548	1,565	25,026	6,800	0	35,841	92,699	67,506	49,891	37,371	28,340	46,885
2023	48	2,560	2,970	3,055	122,692	14,208	8,680	1,485	24,373	800	200	29,145	93,547	64,880	45,770	32,794	23,833	46,804
2024	45	2,339	2,506	2,756	114,511	13,320	7,928	1,253	22,501	0	50	26,422	88,089	58,185	39,182	26,853	18,702	42,823
2025	44	1.977	2,111	2,329	95,938	13,024	6,703	1.055	20,782	0	50	24,896	71,042	44,691	28,727	18,832	12,569	34,864
2026	43	1,673	1,784	1,970	83,075	12,728	5,671	892	19,291	0	150	23,698	59,377	35,574	21,827	13,687	8,754	29,209
2027	40	1,403	1,484	1,650	71,360	11,840	4,755	742	17.337	0	100	21,680	49,679	28,346	16,602	9,957	6,104	24,563
2028	38	1,190	1,195	1,389	61,902	11,248	4,034	598	15,879	0	100	20,265	41,637	22,626	12,649	7,257	4,263	20,610
2029	36	1,009	1,008	1,177	53,689	10,656	3,420	504	14,580	0	100	18,990	34,699	17,958	9,583	5,259	2,960	17,153
2030	34	811	850	952	44,217	10,064	2,748	425	13,237	0	300	17,862	26,355	12,990	6.617	3,473	1,874	11,959
2031	28	666	719	786	37,155	8,288	2,259	360	10.906	0	100	14,813	22,342	10,488	5,100	2,560	1,324	10,751
2032	26	563	613	665	31,121	7,696	1,909	306	9,912	0	300	14,019	17,103	7,646	3,549	1,704	844	8,354
2033	20	447	460	524	25,278	5,920	1,517	230	7,667	0	0	10,736	14,542	6,192	2,743	1,260	598	7,093
2034	20	388	398	455	22,439	5,920	1,316	199	7,435	0	200	10,905	11,534	4,677	1,978	869	395	5,641
2035	16	313	335	369	18,508	4,736	1,060	168	5,964	0	200	8,980	9,528	3,680	1,485	624	272	4,655
2036	12	177	169	206	10,717	3,552	601	85	4,238	0	600	7,189	3,528	1,298	500	201	84	2,516
Total	5	32,525	36,006	38,526	1,441,906	207,792	110,259	18,003	336,054	84,650	2,600	490,869	951,037	646,882	463,455	346,149	267,381	476,812

296.00 \$3.39 0.50 M\$/yt/well \$/\$TB \$/Mcf

Total Proved Plus Probable (2P)

Table 4e Page 1

MIE Holdings Corporation

ADEK Block, Kazakhstan Company Cost and Cash Flow Analysis

Total Proved Plus Probable Consolidation

Abandon-Escalculated Net Revenue Opex Cost Schedule ment Undiscounted Discounted @ Undiscounted Opex, Capex Well Gas Oil + Gas Before Opex Total Net Cash Flow Net Cash Flow Oil Fixed Oil Variable Gas Cost Total Opex Cost 10% 15% 20% and ABN Production Productio Production & Canex Capital (Profit) After CIT & EPT MSTB MMsc MBOE M\$/vr M\$/yr MS/yr. MS/yr. MS/yr. MS/yr. M\$/yr MS/yr. MS/yr. MS/yr. MS/va MS/vr MS/vr M\$/vr_ 2016 1,876 2,592 2,308 33.694 6,808 6,361 75.865 1,296 14,465 61,400 (42,171) (41.154) (40,208)(39,324)(38.496) (42, 171)2017 24 1.810 2.336 2.200 53.145 7.104 6 137 1-168 14.409 12,100 27.039 26,106 24,263 22,628 21,168 19,859 23.552 2018 37 3,373 2,728 3.828 114,084 10,952 11,434 1,364 23,750 22.550 48,170 65,914 35,809 58,345 41,785 51,939 46,476 2019 49 4,464 5,316 176,144 14,504 15,134 5.111 2.556 32.194 13.600 48.597 127,547 107 524 91.368 78,204 67.381 69.355 7020 52 4 326 6419 5 396 180 691 15,392 14 667 3,210 33,268 45,900 85,694 94,997 76,271 61,865 50,649 43,445 2021 61 4,812 8,037 6,151 208,792 18,056 16,313 4,018 38,387 25,500 70,536 138,256 105.717 68.644 81.851 64.098 50.721 2022 65 5,014 7,208 6.215 226,801 19.240 16.997 3.604 39.841 20.900 68.404 158.397 115 350 85 750 63,857 48.425 76.716 2023 69 5.654 6.715 6.773 267.068 20.424 19.167 3,358 42,948 21,200 100 73,801 193,267 134,041 85,921 94,561 2024 70 6.051 6,383 7,115 291,965 20,720 20.512 3.191 44,423 14,800 222,517 146,979 98,975 47.241 95,470 67,832 2025 71 5.685 5,894 6.667 271,963 21,016 19,273 2,947 100 43,236 3,100 55,495 216,469 136,175 87,531 57-381 38,298 94.645 2026 69 5.392 5.037 6.232 263,543 20.424 18.279 2.519 41.222 900 50 51.407 212.136 127.094 77.981 48,897 31.276 90.041 2027 68 4,714 4.214 5,417 239,274 20.128 15,982 2,107 38,217 3,200 200 51,745 187,529 107,002 62,669 37,587 23,040 2028 64 4,376 3,556 4,968 227,022 14,834 1,778 35,556 1,600 47,123 0 179,899 73.401 97,760 54.654 31.355 18.419 2029 64 4.095 3.441 217,484 18,944 4.669 13.883 1-720 34.547 400 50 45.272 172.212 89,127 47,562 26,100 14.693 68.502 2030 63 3,563 2.909 4.048 193,715 18.648 12.078 1,454 32,181 1,200 250 44,375 149,340 73,609 37,496 19,682 10,618 2031 58 3.286 2,464 3,697 182,345 17,168 11,139 1,232 29,539 1,200 200 41,640 140,705 54,071 66,051 32.116 16.125 8,337 2032 54 2,074 2.932 3.277 161.059 15.984 9.938 1.037 76 959 7.400 50 40 377 120 687 53,956 25.043 12,027 5.959 45.848 2033 53 2.881 1.995 3.214 161.949 15.688 9.767 007 26,452 400 250 37,950 124,000 52,797 46,248 2034 48 2,507 1,706 2,791 144,159 14,208 8,498 853 23,559 800 34,933 109,226 44,292 40,417 18.731 8.230 3.745 2035 2,300 1,615 2,569 135,379 13,616 7,797 22,221 150 32,590 808 102.789 39 697 16.025 6.735 2 937 37.671 2036 43 1.963 1.342 2.186 118,140 12,728 6.653 671 20.052 400 50 30.465 87.676 32,248 12,426 4,995 2,088 31,976 2037 42 1,939 1.249 2,147 116.635 12,432 6,572 624 19,628 800 150 31,189 85,446 29,931 11,009 4,233 1,695 30,309 2038 1,996 1,186 2.193 119,995 11,544 6,766 593 18,903 250 29,610 90,385 31.560 1,495 30,153 10.587 3,894 2039 34 1,677 100,850 10.064 5,686 998 1.844 499 16.249 800 200 27.201 73.649 23.400 7.842 2.759 1,015 25,441 2040 30 1.656 940 1.812 99,506 8.880 5.612 470 14,963 150 24,308 75,198 22.755 25,897 7,279 2,450 2041 1,391 1,521 83.576 4,714 390 13,096 200 21,814 61,762 17,799 5,435 1.750 591 21.312 2042 23 1,144 6,808 3,879 628 1.249 68,749 314 11.001 300 18.911 49.838 13,679 3,987 1.228 397 17,279 17 2043 945 500 1.029 56 780 5.032 3.204 250 8.486 14,485 42.295 11,056 3,076 281 14,673 2044 431 48,555 5,032 2,740 150 14,168 34,387 2-274 11,951 8.561 190 640 2045 14 670 362 730 40,261 2,272 181 50 11.803 6.597 28,457 6.747 1,710 461 131 0.015 2046 13 563 309 614 33,807 3.848 1.907 154 5.910 10.705 23,102 5,217 1,262 8,076 2047 13 482 267 527 28,979 3,848 1,635 134 5,617 10,377 18,602 4,000 924 6,512 228 2048 13 415 233 453 24,914 3.848 1,405 117 5.370 50 10.214 14.700 3.011 554 157 39 4.856 2049 12 3.552 341 374 20.512 1.157 50 198 99 4.808 9.338 11.174 2.180 459 103 3.644 2050 11 277 305 16,672 3,256 940 83 300 7,694 1,429 287 62 2,276 2051 173 97 189 10,376 1,480 585 49 2.114 150 4,527 5.848 1.035 1.695 198 41 2052 123 7.363 592 416 28 132 1.036 2.113 5.250 885 162 1.861 2053 106 114 6,365 592 360 24 2,031 122 1,536 2054 92 99 5,505 311 924 1.962 3,544 542 1,257 90 2055 79 37 4,765 592 269 19 880 50 2.013 2.753 86 401 64 909 2056 57 21 60 3.391 296 192 11 498 1,101 2,291 318 786 2057 48 2,905 296 164 52 469 1,057 1,848 244 635 35 2058 42 296 141 2,489 44 445 1.021 1.468 185 26 505 296 2059 36 3.8 [2] 423 992 1,141 137 394 2060 18 1.031 296 58 3.58 50 974 57 47 2061 Total 96,150 92,381 111,547 4,774,536 436,304 325,948 46,191 808,443 255,150 3,700 1,341,815 3,432,721 1.831,505 1,399,612 1,101,414 719,911 499,402 296:00 53.39 0:50

S/STB

\$/McI

Note: Production Contract of Kariman expires on September 09, 2036

Forecast price &Costs

Total Proved Plus Probable Plus Possible (3P)

Table 4f Page I

Forecast Prices & Costs

MIE Holdings Corporation ADEK Block, Kazakhstan

Company Cost and Cash Flow Analysis

Company Cost and Case Flow Association
Total Proved Plus Probable Plus Possible Consolidation
AbandonEscalculated

	Well	oil Production	Gas Production	Oil + Gas	Net Revenue Before Opex & Capex	Oil Fixed	Opex Cost Oil Variable		Total Opex	Total Capital	A bandon- ment Cost	Opex, Capex and ABN	Undiscounted Net Cash Flow (Profit)	5%	Discoun	ted @	20%	Undiscounted Net Cash Flow After CIT & EF
Year	Count	MSTB	MMsef	MBOE	MS/yr.	MS/yr-	M\$/yr-	MS/yr.	MS/vr.	MS/yr.	MS/yr.	MS/yr.	MS/yr.	MS/yr.	MS/yr-	MS/yr-	MS/yr.	M\$/yr.
2016	23	1,876	2,592	2,308	33,694	6,808	6.361	1,296	14,465	61,400	0	75,865	(42,171)	(41,154)	(40,208)	(39,324)	(38,496)	(42.171)
2017	24	1.810	2,336	2,200	53,145	7,104	6,137	1.168	14,409	12,100	0	27,039	26,106	24,263	22,628	21,168	19,859	23,552
2018	37	3,373	2,728	3,828	114,084	10.952	11.434	1,364	23,750	22,550	0	48,170	65,914	58,345	51,939	46,476	41,785	35,809
2019	47	4,476	5.168	5,337	176,638	13.912	15,173	2,584	31,669	14,500	0	48,995	127,643	107,605	91,437	78,263	67,431	69,190
2020	50	4,352	6,656	5.461	181,953	14.800	14,754	3.328	32,882	46,300	0	85,709	96,244	77.272	62,677	51,314	42,370	44;196
2021	59	4.855	8,334	6,244	210,870	17.464	16,458	4,167	38.089	38,400	0	84,450	126,420	96,666	74,844	58,611	46,379	62,326
2022	66	5,646	8,507	7,064	256,180	19.536	19,141	4,253	42,931	32,900	0	85,398	170,782	124,369	91,916	68,850	52,211	79,887
2023	73	6,746	8,302	8.130	315,742	21.608	22,868	4,151	48,628	21,200	100	80,325	235,417	163,275	115,184	82,529	59,976	103,025
2024	74	7,047	7.765	8,341	337,038	21,904	23,888	3.883	49,675	18,800	50	80,288	256-750	169,591	114,202	78,267	54,509	108,441
025	77	6.685	7.130	7,873	316,664	22.792	22,661	3,565	49,018	7.500	100	67,664	249,000	156,639	100,686	66,004	44,053	107-146
026	76	6,412	6,204	7,446	310,376	22.496	21,736	3,102	47,334	1,400	50	59,467	250,909	150,324	92,234	57,835	36,992	105,780
027	75	5,705	5,199	6,571	285,788	22.200	19.339	2,600	44,138	4,900	200	61,222	224,566	128,135	75,046	45,011	27,591	92,559
028	71	5,526	4,498	6,276	279,584	21.016	18,733	2,249	41,998	2.900	0	56,942	222,642	120,988	67,639	38,805	22,795	89,589
2029	71	5,477	4.347	6,202	290,680	21.016	18.568	2,174	41,757	2,300	0	56,993	233,687	120.943	64,541	35,417	19,938	90,154
2030	71	5,119	4,252	5.828	278,415	21.016	17,354	2.126	40,496	3.600	1.50	58,382	220.033	108,453	55.245	28,998	15,644	82,779
031	68	5,051	4,271	5,763	280.779	20.138	17.125	2,136	39,388	2.200	200	56.241	324.537	105,403	51,251	25,732	13,304	82-447
032	64	4,668	3,652	5,277	256,814	18.944	15,824	1,826	36,594	3,400	200	55,178	201,636	90.145	41,840	20,093	9,956	72,668
1033	60	4,504	3,254	5.046	253,341	17.760	15,267	1,627	34,654	1,200	250	50,554	202,786	86,343	38,253	17,572	8,344	72.556
034	56	4,130	3,044	4,638	237,783	16.576	14,00 L	1,522	32.099	2:400	100	49,416	188,367	76,384	32/303	14,194	6,459	66.301
035	54	3,880	2.985	4.377	228,624	15,984	13.152	1,492	30,629	0	150	44,839	183,786	70,977	28,652	12,042	5,251	64,695
036	51	3,341	2,527	3,762	201,365	15.096	11,325	1,264	27,685	400	50	41,807	159,558	58,686	22,613	9,091	3,799	55,865
037	50	3:149	2,277	3,529	189,729	14.800	10,676	1,139	26,615	800	150	41,779	147,950	51.826	19,062	7,330	2,936	51,010
038	47	3,055	2.078	3,402	183,947	13.912	10,357	1,039	25,308	0	250	39,513	144,434	48,185	16,917	6,223	2,388	49,406
039	42	2.606	1,772	2,901	156,897	12.432	8,834	886	22,152	1.200	200	37,139	119,758	38.050	12,752	4,486	1,650	40,445
040	38	2,494	I ₉ 670	2,772	150,130	11.248	8.454	835	20,537	400	50	33,757	116,373	35.214	11,265	3,791	1,336	39.279
041	37	2,171	1,484	2,418	130,705	10.952	7,359	742	19,053	400	100	32,079	98,626	28,423	8,679	2,794	944	33,259
042	35	1.873	1,317	2,092	112,789	10.360	6.349	658	17,367	0	300	29.564	83,225	22,841	6,658	2,050	664	28,269
043	29	1,552	1,089	1,733	93,462	8.584	5.261	545	14,390	0	0	24,561	68,901	18,010	5,011	1,476	458	23,448
044	29	1,340	942	1.497	80.727	8.584	4.544	471	13,599	0	150	23,938	56,790	14,138	3,755	1,058	314	19,316
045	26	1,132	804	1,265	68,159	7,696	3,836	402	11,934	0	100	21,371	46,788	11-093	2,812	758	216	15,929
046	24	962	692	1,073	57,976	7,104	3,263	346	10,713	0	50	19,495	38,481	8.689	2-103	542	1.48	13.107
047	23	821	597	921	49,483	6,808	2,784	298	9,891	0	0	18,274	31,209	6,711	1,550	382	100	10,641
048	23	702	499	785	42,292	6.808	2,380	249	9,438	0	100	17.974	24,318	4.981	1,098	259	65	8,319
049	21	570	382	634	34,307	6.216	1,932	191	8,339	0	150	16,318	17,990	3,509	739	167	40	6.230
050	18 13	467 349	304 230	518	28,103	5,328	1,583	152 115	7,063	0	250 50	14,338	13,765	2.557	514	74	26	4.816
051 052	12	288	198	387 321	20,983	3.848	1,182 978	99	5.145	0	150	10,389 9,747	10.594	1,874	359		16	3,785
052 053	9	288	198	234	17,364	3,552	720	65	4,628 3,449	0	200	7,592	7,617	1,283 832	235 145	46 27	6	2,644
054	5	141	81	155	8,496	2,664 1,480	479	40	1,999	0	50	4,349	5,184 4,146	634	145	19	4	1,267
055	4	[10	56	119		1.184	373	28	1,585	0	100	3,647		430	69	12	2	
056	2	76	24	80	6,603 4,548	592	257	12	861	0	0	1,902	2,956 2,646	367	56	9	2	806 917
057	2	66	21	69	3,945	592	223	10	826	0	0	1.859	2,046	275	40	6	*	724
058	2	57	18	60	3,424	592	194	9	795	0	0	1.826	1.598	201	28	4		557
059	2	50	15	52	2,973	592	168	8	768	0	0	1,799	1,174	141	19	3	0	411
060	2	30	8	31	470	592	101	4	697	0	100	1,905	(1,435)	(164)	(21)	(3)	(0)	(1,435)
061	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
otal	-	124,952	120.439	145,025	6,359,843	515,632	423,587	60,220	999,438	303,150	4,100	1,690,059	4,669,784	2,353,753	1,348,872	848,572	571,478	1,821,210
vual		144,934	120,437	1-3,023	0,537,043	296:00	\$3:39	0.50	777,400	000,120	741.00	240204033	4,003,104	200,700	1,0-104072	(FIO(3)12	0139410	1,021,210
						M\$/yr/well	S/STB	\$/Mcf										

Note: Production Contract of Kariman expires on September 09, 2036

Note:

Gross and net company's reserves are actually equivalent, however the cash flows for each property show the net reserves reduced, as a result of the treatment of the ERT and MET.

Liquid hydrocarbons are expressed in standard 42 gallon and shown herein as thousands of barrels (MBarrels). In this report, the revenues, deductions, and income data are expressed as thousands of U.S.dollars (M\$).

Summary of Prospective Resources

Table A Summary Of Prospective Resources (Arithmetic Average) January 1, 2016

MIE Holdings Corporation

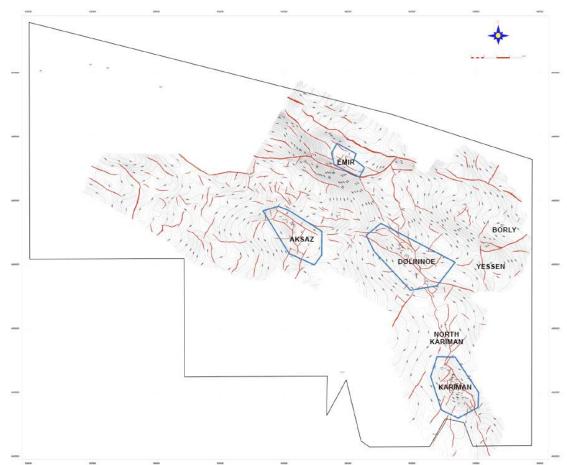
ADEK and NW Blocks, Republic of Kazakhstan

	Prospective (Best Estim		Prospective (Low Estima		Prospective (High Estim		Prospective Resources (Arithmetic Average), MSTB		
Field	Prospective Zones	Before Risk	After risk	Before Risk	After risk	Before Risk	After risk	Before Risk	After risk
ADEK									
Aksaz	Combined Triassic	8,340	2,860	6,255	2,145	10,425	3,575	8,340	2,860
Borly	Combined Triassic	51,586	12,570	38,690	9,428	64,483	15,713	51,586	12,570
Dolinnoe	Combined Triassic	26,622	9,130	19,967	6,848	33,278	11,413	26,622	9,130
Emir	Combined Triassic	23,320	5,051	17,490	3,788	29,150	6,314	23,320	5,051
Kariman	Combined Triassic	44,284	15,187	33,213	11,390	55,355	18,984	44,284	15,187
Sub Tot	al	154,152	44,799	115,614	33,599	192,691	55,999	154,152	44,799
NW									
Begesh	Combined Triassic	9,885	2,054	7,413	1,540	12,356	2,567	9,885	2,054
East Saura	Combined Triassic	8,367	1,738	6,275	1,304	10,458	2,173	8,367	1,738
Aidai (AD-A1, AD-A2)	Combined Triassic	62,813	13,050	47,109	9,788	78,516	16,313	62,813	13,050
Tanirbergen	Combined Triassic	20,522	4,264	15,392	3,198	25,653	5,330	20,522	4,264
Sub Tot	al	101,586	21,106	76,190	15,830	126,983	26,383	101,586	21,106
Grand Total		255,739	65,905	191,804	49,429	319,673	82,381	255,739	65,905

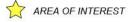
MAP







LEGEND



→ FAULT LINES

CONTRACT AREAS

☐ LISENSE AREA

MIE HOLDINGS CORPORATION

ADEK BLOCK (LICENSE TERRITORY)

MANGISTAU OBLAST, KAZAKHSTAN

ORIENTATION MAP

JAN. 2016 JOB No. 6144