

Play:	4601	Frontal Zone Oil and Gas		
Province:	46	Marathon Thrust Belt		
Geologist:	Perry, W.J., Jr.		Status:	confirmed

Play Attributes:	<u>Probability of Occurrence</u>
Charge	1.00
Reservoir rock	1.00
Traps	1.00
Play Probability	1.00

Size of Undiscovered Accumulations (>1 MMBOE) (Conditional):

	<u>Oil Accumulations</u>	<u>Gas Accumulations</u>
Median	3 MMBO	20 BCFG
F5 of Largest Accumulat	20 MMBO	150 BCFG
TSP Shape Factor	4	4
Mean (calculated)	3.6 MMBO	30.7 BCFG

Number of Undiscovered Accumulations (>1 MMBOE) (Conditional):

	<u>Oil Accumulations</u>	<u>Gas Accumulations</u>
Minimum	2	2
Median	4	3
Maximum	8	5
Mean (calculated)	4.4	3.2

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Ratio of Associated-Dissolved Gas to Oil: 2,650 CFG/bbl

Ratio of NGL to Non-Associated Gas: 60 bbl/MMCF

Ratio of NGL to Associated-Dissolved Gas: 80 bbl/MMCF

API Gravity (degrees):

<u>minimum</u>	<u>mean</u>	<u>maximum</u>
	46.0	

Depth of Oil Accumulations (ft):

<u>minimum</u>	<u>median</u>	<u>maximum</u>
2,000	6,500	12,000

Depth of N-A Gas Accumulations (ft):

<u>minimum</u>	<u>median</u>	<u>maximum</u>
3,500	9,000	18,000

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Estimated Resources:

Oil (MMBO)

<u>F99</u>	<u>F95</u>	<u>F75</u>	<u>F50</u>	<u>F25</u>	<u>F5</u>	<u>F1</u>	<u>mean</u>	<u>s.d.</u>
1.10	1.80	5.50	10.60	17.50	30.00	39.70	16.20	9.50

NGL (MMBNGL)

<u>F99</u>	<u>F95</u>	<u>F75</u>	<u>F50</u>	<u>F25</u>	<u>F5</u>	<u>F1</u>	<u>mean</u>	<u>s.d.</u>
0.64	0.98	2.83	5.46	9.28	17.19	23.56	9.30	5.80

Associated-Dissolved Gas (BCFG)

<u>F99</u>	<u>F95</u>	<u>F75</u>	<u>F50</u>	<u>F25</u>	<u>F5</u>	<u>F1</u>	<u>mean</u>	<u>s.d.</u>
2.92	4.77	14.58	28.09	46.38	79.50	105.21	42.80	25.18

Non-Associated Gas (BCFG)

<u>F99</u>	<u>F95</u>	<u>F75</u>	<u>F50</u>	<u>F25</u>	<u>F5</u>	<u>F1</u>	<u>mean</u>	<u>s.d.</u>
6.70	9.90	27.80	53.50	92.80	180.50	252.40	99.10	63.10