

**Play:** 4403 Pre-Pennsylvanian, Northwestern and Eastern Shelves  
**Province:** 44 Permian Basin  
**Geologist:** Ball, M.M. **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	12 BCFG
F5 of Largest Accumulat	50 MMBO	100 BCFG
TSP Shape Factor	5	5
Mean (calculated)	5.2 MMBO	18.7 BCFG

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

	<u>Oil Accumulations</u>	<u>Gas Accumulations</u>
Minimum	20	3
Median	40	6
Maximum	100	15
Mean (calculated)	48.3	7.3

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Ratio of Associated-Dissolved Gas to Oil: 510 CFG/bbl

Ratio of NGL to Non-Associated Gas: 110 bbl/MMCF

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

API Gravity (degrees):	<u>minimum</u>	<u>mean</u>	<u>maximum</u>
	30.0	44.0	62.0

Depth of Oil Accumulations (ft):	<u>minimum</u>	<u>median</u>	<u>maximum</u>
	5,800	10,000	13,600

Depth of N-A Gas Accumulations (ft):	<u>minimum</u>	<u>median</u>	<u>maximum</u>
	6,000	10,000	13,200

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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>
3.70	16.10	62.20	117.10	228.80	375.90	452.30	252.30	118.30

**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>
0.90	1.91	6.64	13.21	25.02	42.83	55.00	25.20	13.79

**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>
1.89	8.21	31.72	59.72	116.69	191.71	230.67	128.70	60.33

**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>
6.80	11.40	37.30	76.70	142.60	249.90	332.20	135.60	81.50