

Play: 2907 Tertiary Basins Oil and Gas
Province: 29 Southwest Montana
Geologist: Perry, W.J., Jr. **Status:** hypothetical

Play Attributes:	<u>Probability of Occurrence</u>
Charge	0.80
Reservoir rock	0.60
Traps	0.50
Play Probability	0.24

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

	<u>Oil Accumulations</u>		<u>Gas Accumulations</u>	
Median	1	MMBO	7	BCFG
F5 of Largest Accumulatio	8	MMBO	30	BCFG
TSP Shape Factor	6		6	
Mean (calculated)	1.6	MMBO	9.0	BCFG

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

	<u>Oil Accumulations</u>	<u>Gas Accumulations</u>
Minimum	1	1
Median	2	3
Maximum	3	6
Mean (calculated)	0.5	0.8

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Ratio of Associated-Dissolved Gas to Oil: 1,600 CFG/bbl

Ratio of NGL to Non-Associated Gas: 30 bbl/MMCF

Ratio of NGL to Associated-Dissolved Gas: 30 bbl/MMCF

API Gravity (degrees): minimum mean maximum

Depth of Oil Accumulations (ft): minimum median maximum
200 5,000 9,000

Depth of N-A Gas Accumulations (ft): minimum median maximum
6,000 12,000 18,900

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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>
0.00	0.00	0.00	0.00	0.00	4.20	7.80	0.80	1.70

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>
0.00	0.00	0.00	0.00	0.00	1.45	2.36	0.20	0.53

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>
0.00	0.00	0.00	0.00	0.00	6.72	12.48	1.20	2.72

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>
0.00	0.00	0.00	0.00	0.00	41.60	66.20	6.90	15.10