

Play: 6050 *Cherokee Platform - Central Basin*

Province: 60 Cherokee Platform

Play Type coalbed gas

Geologist: Rice, D.D./Finn, T.M.

Status: confirmed

Play Probability: 1.00

Cells: **Cell Size:** 80 acres 0.125 sq mi

Area of Play: 8,754 sq mi 70,032 cells

Productive Cells: 325 **Tested Nonproductive Cells:** 0

Untested Cells: minimum median maximum mean distribution
5,000 20,000 35,000 20,000 bell-shaped

Success Ratio for Untested Cell 0.60

EUR Distribution for Untested Cells (MMCFG):

| <u>F100</u> | <u>F95</u> | <u>F75</u> | <u>F50</u> | <u>F25</u> | <u>F5</u> | <u>F0</u> | <u>mean</u> |
|-------------|------------|------------|------------|------------|-----------|-----------|-------------|
| 15 | 25 | 50 | 100 | 210 | 430 | 750 | 160 |

Depth (ft): minimum median maximum mean
500 850 1,200 850

Analog play:

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Net Thickness of Potentially Productive Coal (ft): mean maximum

10 15

Mean Number of Potentially Productive Coal Seams: 53

Mean Thickness of Potentially Productive Coal-Bearing Interv 375 ft

Total Dissolved Solid 90,000 ppm

Water Disposal: injection

| | | | | | |
|---------------------|------------|-------------|-------------|------------|------------|
| Gas Quality: | <u>C1%</u> | <u>C2+%</u> | <u>CO2%</u> | <u>N2%</u> | <u>Btu</u> |
| | 97.0 | 0.3 | 1.1 | 1.6 | 984 |

Is there active underground coal mining? no

Mined-Out Areas: sq mi %

Is compression needed for transmission? yes

Are coalbed gas wells generally stimulated in this playes

Potential Gas Reserve Additions (BCFG):

| | | | | | | |
|------------|------------|------------|------------|-----------|-------------|-------------|
| <u>F95</u> | <u>F75</u> | <u>F50</u> | <u>F25</u> | <u>F5</u> | <u>mean</u> | <u>s.d.</u> |
| 1,072.36 | 1,464.13 | 1,817.91 | 2,257.18 | 3,081.82 | 1,913.95 | 630.28 |