

26-23s-24w

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Becker Oil
Poverty Hill #1
N/2-SE-NE; Section 26-23s-24w
Hodgeman County, Kansas
Page No. 1
15-083-21513-00-00

4 1/2" Production Casing Set

Contractor: Cheyenne Drilling Company (Rig #11)

Commenced: March 13, 2006

Completed: March 19, 2006

Elevation: 2446' K.B.; 2444' D.F.; 2439' G.L.

Casing Program: Surface; 8 5/8" @ 205'
Production; 4 1/2" @ 2809'

Samples: Samples saved and examined 2500' to the Rotary Total Depth.

Drilling Time: One (1) foot drilling time recorded and kept 2500' to the Rotary Total Depth.

Measurements: All depths measured from the Kelly Bushing.

Formation Testing: There were five (5) Drill Stem Tests ran by Trilobite Testing Co.

Electric Log: By Eli Wireline Services; Compensated Density/Neutron Porosity Log.

Gas Detector: By Earth Tech.

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<u>Formation</u>	<u>Log Depth</u>	<u>Sub-Sea Datum</u>
Anhydrite	1598	+848
Krider	2521	-75
Winfield	2585	-139
Towanda	2654	-208
Ft. Riley	2705	-259
Florence	2754	-308
Wreford	2801	-355
Rotary Total Depth	2812	-366
Log Total Depth	2810	-364

(All tops and zones corrected to Electric Log measurements).

SAMPLE ANALYSIS, SHOWS OF OIL, TESTING DATA, ETC.

KRIDER SECTION

2526-2538' Dolomite; gray, light gray, sucrosic, few granular, fair pinpoint type porosity, shaley in part, fair show of gas bubbles (30 unit gas kick).

2550-2560' Dolomite; gray, dark gray, shaley in part, scattered poorly developed vuggy type porosity (18 unit gas kick).

Drill Stem Test #1 **2472-2560'**

Times: 20-30-60-90

Blow: Fair increasing, strong final flow

Recovery: 75' mud

Pressures: ISIP 233 psi
 FSIP 535 psi
 IFP 14-29 psi
 FFP 30-45 psi
 HSH 1363-1303 psi

WINFIELD SECTION

2585-2594' Dolomite; gray to white, and light gray, sucrosic, poor visible porosity, trace white chert.

2599-2612' Dolomite; gray, dark gray, sucrosic in part, finely crystalline, granular, good vuggy type porosity, trace gray chert. (28 unit gas kick).

Drill Stem Test #2 **2584-2620'**

Times: 20-30-60-90

Blow: Strong, gas to surface 4 ½ minutes into final flow, T.S.T.M.

Recovery: 245' gassy watery mud
 330' gassy muddy water

Pressures: ISIP 627 psi
 FSIP 625 psi
 IFP 34-141 psi
 FFP 149-195 psi
 HSH 1397-1324 psi

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2646-2650' Trace dolomite; tan, sucrosic in part, slightly chalky, shaley "dirty" (30 unit gas kick), matrix of red/gray soft shale.

TOWANDA SECTION

2656-2666' Dolomite; tan, sucrosic, poorly developed porosity, trace tan/brown chert, plus dolomite, gray, clear, finely crystalline, fair intercrystalline porosity, (no gas bubbles) trace white/clear anhydrite.

2666-2680' Limestone; gray, dolomite, poor visible porosity, trace gray to black chert, no shows.

FT. RILEY SECTION

2711-2717' Limestone; gray, highly dolomitic, finely crystalline, fair to good vuggy to intercrystalline type porosity, plus dolomite, tan, gray, finely crystalline, fair finely vuggy porosity, trace gas bubbles (48 unit gas kick).

Drill Stem Test #3 **2712-2726'**

Times: 20-30-60-90

Blow: Strong

Recovery: 250' gas in pipe
135' mud

Pressures: ISIP 310 psi
FSIP 709 psi
IFP 28-35 psi
FFP 37-56 psi
HSH 1453-1427 psi

FLORENCE SECTION

2767-2773' Limestone; gray, white, highly fossiliferous, loose, fossil fragments and chert, white/gray, boney, fossiliferous, poor visible porosity in limestone (41 unit gas kick).

Drill Stem Test #4 **2763-2782'**

Misrun

Drill Stem Test #5 **2763-2782'**

Times: 20-30-60-90

Blow: Strong, gas to surface 3 minutes into final flow, T.S.T.M.

Recovery: 90' gassy mud
60' thin watery gassy mud
(15% gas, 5% water, 80% mud)
60' thin watery gassy mud
(10% gas, 10% water, 80% mud)

Pressures: ISIP 729 psi
FSIP 727 psi
IFP 41-56 psi
FFP 48-86 psi
HSH 1368-1358 psi

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WREFORD SECTION

2800-2809' Limestone; gray and dark gray, fossiliferous in part, increasingly cherty, dense, poor visible porosity, no shows.

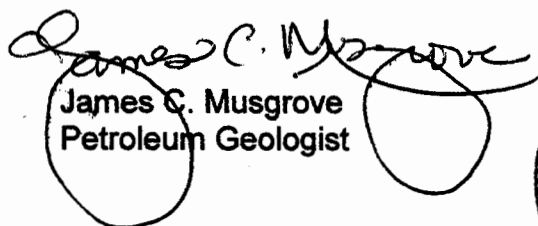
Rotary Total Depth 2812 (-366)
Log Total Depth 2810 (-364)

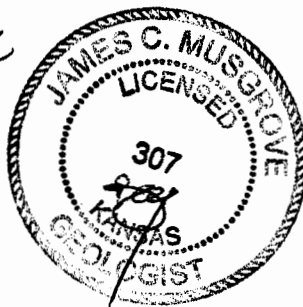
Recommendations:

On the basis of the favorable Drill Stem Tests, it was recommended by all parties involved to set and cement 4 ½" production casing at 2809' (one foot off bottom, log measurements) and the following zones be tested in the Poverty Hill #1:

- | | |
|---------------------|-----------|
| 1. Florence | 2767-2773 |
| 2. Ft. Riley | 2711-2716 |
| 3. Towanda | 2660-2666 |
| 4. "Lower" Winfield | 2646-2648 |
| 5. Winfield | 2606-2609 |
| 6. Krider | 2532-2536 |

Respectfully submitted;


James C. Musgrove
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