

JAMES C. MUSGROVE

Petroleum Geologist

P.O. Box 1162

Great Bend, KS 67530

ORIGINAL

Office (316) 792-7716

Res. Claflin (316) 587-3444

Globe Operating Inc.

Hiss #1

150' North, NE-SE-SE; Section 16-19s-14w

Barton County, Kansas

Page No. 1

RECEIVED**NOV 10 2003****KCC WICHITA****Computer Inventoried****5 1/2" Production Casing Set**

Contractor: Discovery Drilling Company (Rig #2)

Commenced: September 20, 2003

Completed: September 27, 2003

Elevation: 1894' K.B.; 1892' D.F.; 1886' G. L.

Casing Program: Surface; 8 5/8" @ 825'
Production; 5 1/2" @ 3582'

Samples: Samples saved and examined 1700' to the Rotary Total Depth.

Drilling Time: One (1) foot drilling time recorded and kept 1700' to the Rotary Total Depth.

Measurements: All depths measured from the Kelly Bushing.

Formation Testing: There were five (5) Drill Stem Test ran by Diamond Testing Company.

Electric Log: By Log Tech; Dual Induction Log, Dual Compensated Porosity Log and Microresistivity Log

<u>Formation</u>	<u>Log Depth</u>	<u>Sub-Sea Datum</u>
Anhydrite	818	+1076
Herington	1726	+168
Winfield	1778	+116
Towanda	1846	+48
Neva	2243	-349
Tarkio	2596	-702
Topeka	2791	-897
Heebner	3120	-1226
Toronto	3138	-1244
Douglas	3156	-1262
Brown Lime	3211	-1317
Lansing	3224	-1330
Base Kansas City	3451	-1557
Conglomerate	3467	-1573
Conglomerate Sand	3476	-1582
Rotary Total Depth	3582	-1688
Log Total Depth	3583	-1689

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

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

HERINGTON SECTION

- 1726-1748' Dolomite; gray and tan, sucrosic, scattered pinpoint to intercrystalline porosity, trace gas bubbles (40 unit gas kick)
- 1750-1761' Dolomite; dark gray and tan, finely crystalline, sucrosic, fair to good pinpoint and intercrystalline to vuggy type porosity, show of gas bubbles (100 unit gas kick)

WINFIELD SECTION

- 1778-1786' Dolomite; white and gray to tan, finely crystalline, sucrosic, scattered porosity, trace tan cherty dense dolomite, (5 unit gas kick).

TOWANDA SECTION

- 1857-1872' Limestone; gray, slightly dolomitic, fossiliferous, fair fossil cast to vuggy type porosity, (52 unit gas kick).

Drill Stem Test #1 1855-1880'

Times: 30-30-30-45

Recovery: 150' water

Pressures: ISIP 506 psi
FSIP 500 psi
IFP 14-45 psi
FFP 50-76 psi
HSH 892-877 psi

NEVA SECTION

- 2243-2256' Limestone; white and cream, chalky in part, finely crystalline, scattered intercrystalline porosity, (5 unit gas kick).

RED EAGLE SECTION

- 2304-2332' Limestone; gray and white, fine to medium crystalline, few fossiliferous, chalky, trace dull yellow fluorescence, no gas kick.

TOPEKA SECTION

- 3030-3040' Limestone; gray, fine to medium crystalline, fossiliferous in part, fair intercrystalline to fossil cast porosity, good brown to dark brown stain and saturation, show of free oil and no odor in fresh samples.
- 3066-3071' Limestone; tan and brown, fossiliferous, sub oocastic, slightly cherty, trace dark brown and brown stain, trace of free oil and questionable odor in fresh samples.

TORONTO SECTION

- 3138-3148' Limestone; white and cream, few dolomitic, spotty brown stain, trace free oil (gassy), trace gas bubbles, fair fluorescence, no odor (32 unit gas kick).

LANSING SECTION

3230-3234' Limestone; tan and white, finely crystalline, slightly chalky, fossiliferous, fair pinpoint to intercrystalline type porosity, good brown to golden brown stain and saturation, show of free oil (gassy) and good odor in fresh samples.

Drill Stem Test #2 **3209-3239'**

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Times: 45-45-60-60
Blow: Strong
Recovery: 1150' gas in pipe
35' heavy oil and gas cut mud
(25% oil, 20% gas, 55% mud)

Pressures: ISIP 870 psi
FSIP 895 psi
IFP 11-14 psi
FFP 13-22 psi
HSH 1493-1467 psi

3253-3256' Limestone; white, gray, fossiliferous, chalky in part, dull gray and black stain, no show of free oil or odor in fresh samples.

3264-3270' Limestone; gray, fossiliferous, chalky, scattered porosity, black stain, show of free oil and fair odor in fresh samples.

3270-3274' Limestone; tan, oolitic, poor visible porosity.

3280-3286' Limestone; white finely oolitic/fossiliferous, good porosity, good brown stain and saturation, fair show of free oil and fair odor in fresh samples.

Drill Stem Test #3 **3238-3285'**

Times: 30-30-45-45
Blow: Strong; gas to surface in 16 minutes
Gas gauged as follows:
Initial Flow:
20 minutes 10,000 cfgpd
30 minutes 11,500 cfgpd
Final Flow
10 minutes 10,000 cfgpd
20 minutes 4,760 cfgpd
30 minutes 4,760 cfgpd
40 minutes 4,760 cfgpd
45 minutes 4,760 cfgpd

Recovery: 100' oil cut gassy mud
1500' clean gassy oil

Pressures: ISIP 864 psi
FSIP 851 psi
IFP 140-314 psi
FFP 348-520 psi
HSH 1526-1460 psi

3296-3300' Limestone; cream to gray, oocastic, fair to good porosity, chalky, light brown and dull gray stain, show of free oil and faint odor in fresh samples.

- 3300-3330' Limestone; as above.
- 3356-3362' Limestone; gray and white, fossiliferous, oocastic, good porosity, fair to good brown stain and saturation, show of free oil and fair to good odor in fresh samples.
- 3376-3384' Limestone; as above, fair to good porosity, black to brown stain, show of free oil and fair odor in fresh samples.

Drill Stem Test #4 **3340-3410'**

Times: 30-30-45-45

Blow: Strong

Recovery: 300' gas in pipe
90' very heavy oil and gas watery mud
(15% gas, 25% oil, 20% water, 40% mud)
60' slightly oil cut muddy water
(5% oil, 25% mud, 10% gas, 60% water)
300' gassy water

Pressures: ISIP 1019 psi
FSIP 1003 psi
IFP 33-99 psi
FFP 110-193 psi
HSH 1559-1539 psi

- 3416-3430' Limestone; gray and white, fossiliferous, chalky, trace spotty stain, no show of free oil or odor in fresh samples.

CONGLOMERATE SECTION

- 3476-3484' Sand; quartzitic, medium grained, sub rounded, fair sorting, friable, fair golden brown to light brown stain, trace free oil and faint odor in fresh samples.
- 3486-3494' Chert; orange to white and red.
- 3496-3509' Sand; clear and gray, fine to medium grained, sub angular and sub rounded, fair sorting, friable, dull gray and black stain, trace of free oil and faint odor in fresh samples.

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Drill Stem Test #5

3442-3512'

Times: 30-45-45-60

Blow: Strong, gas to surface 1 ½ minutes

Gas gauged as follows:

Initial Flow

10 minutes 749,000 cfgpd

20 minutes 887,000 cfgpd

30 minutes 887,000 cfgpd

Final Flow

10 minutes 887,000 cfgpd

20 minutes 887,000 cfgpd

30 minutes 887,000 cfgpd

40 minutes 887,000 cfgpd

45 minutes 887,000 cfgpd

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Recovery: 100' gassy mud

125' gassy watery mud

Pressures: ISIP 435 psi

FSIP 435 psi

IFP 204-224 psi

FFP 215-235 psi

HSH 1668-1602 psi

3510-3540' Varied colored shale and varied colored oolitic opaque chert.

3540-3582' Shale and chert as above, trace black edge staining.

Rotary Total Depth 3582 (-1688)

Log Total Depth 3583 (-1689)

Recommendations:

On the basis of the favorable structural position and the positive results of the Drill Stem Tests, it was recommended by all parties involved to set and cement 5 ½" production casing at 3282' (one foot off bottom) and the following zones be tested in the Hiss #1:

- | | | |
|----------------------|-----------|------------------------------|
| 1. Conglomerate Sand | 3496-3498 | perforate before abandonment |
| 2. Conglomerate Sand | 3476-3482 | perforate |
| 3. Lansing | 3376-3380 | perforate |
| 4. Lansing | 3358-3366 | perforate |
| 5. Lansing | 3296-3300 | perforate before abandonment |
| 6. Lansing | 3281-3286 | perforate |
| 7. Lansing | 3230-3234 | perforate |
| 8. Krider | 1751-1759 | perforate |
| 9. Herington | 1726-1738 | perforate |

Respectfully submitted;

James C. Musgrove
Petroleum Geologist

