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Globe Operating Inc.
Essmiller Brothers Farm #1
SE-NE-NW; Section 22-19s-14w
Barton County, Kansas
Page No. 1

15-009-24907-00-00

5 1/2" Production Casing Set

Contractor: Discovery Drilling Co Inc. (Rig #2)

Commenced: March 3, 2006

Completed: March 11, 2006

Elevation: 1886' K.B.; 1884' D.F.; 1878' G.L.

Casing Program: Surface; 8 5/8" @ 812'
Production; 5 1/2" @ 3589'

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 Tests ran by Diamond Testing Co.

Electric Log: By Log Tech; Dual Induction and Dual Compensated Porosity Log.

Gas Detector: By MBC Well Logging.

<u>Formation</u>	<u>Log Depth</u>	<u>Sub-Sea Datum</u>
Anhydrite	806	+1080
Herington	1710	+176
Winfield	1760	+126
Towanda	1841	+45
Wreford	2026	-140
Council Grove	2045	-159
Neva	2222	-336
Red Eagle	2286	-400
Foraker	2327	-441
Admire Sand (Indian Cave)	2422	-536
Wabaunsee	2453	-567
Grand Haven	2488	-602
Tarkio Sand	2546	-660
Tarkio Lime	2580	-694
Elmont	2640	-754
Topeka	2775	-889
Heebner	3108	-1222
Toronto	3126	-1240
Douglas	3141	-1255
Brown Lime	3201	-1315
Lansing	3214	-1328
Base Kansas City	3428	-1542
Conglomerate	3444	-1558
Conglomerate Chert	3470	-1584
Arbuckle	3512	-1627

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Rotary Total Depth	3590	-1704
Log Total Depth	3591	-1705

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

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

HERINGTON SECTION

1710-1728' Dolomite; gray, finely crystalline, sucrosic, shaley in part, scattered pinpoint porosity, trace gas bubbles (24 unit gas kick).

KRIDER SECTION

1728-1746' Dolomite; tan, gray, sucrosic, finely crystalline, fair pinpoint type porosity, trace gas bubbles, (34 unit gas kick).

WINFIELD THROUGH FORAKER SECTION

1760-2360' There were several zones of well developed porosity encountered in the drilling of the Winfield through Foraker sections but no shows of oil and/or gas was noted.

ADMIRE SECTION

2424-2429' Trace sand; vuggy, loose unconsolidated, (samples very poor-junk), (90 unit gas kick).

TARKIO SECTION

2546-2552' Sand; gray, grayish green, very fine grained, micaceous, friable, fair intergranular porosity, trace gas bubbles (55 unit gas kick).

Drill Stem Test #1 **2490-2600'**

Times: 30-30-30-30

Blow: Strong

Recovery: 230' mud cut water
930' gassy water

Pressures:	ISIP	871	psi
	FSIP	876	psi
	IFP	88-430	psi
	FFP	428-596	psi
	HSH	1158-1143	psi

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TOPEKA SECTION

3034-3044' Limestone; white, cream, fossiliferous, slightly chalky, brown to dark brown stain, show of free oil and no odor in fresh samples.

3050-3055' Limestone; gray, white, fossiliferous, poor fossil cast type porosity, trace spotty brown stain, no show of free oil or odor in fresh samples.

TORONTO SECTION

3128-3136' Limestone; cream, white, fine to medium crystalline, slightly fossiliferous, few dolomitic, brown to golden brown stain, no show of free oil and questionable odor in fresh samples.

LANSING SECTION

- 3221-3224' Limestone; cream, white, finely crystalline, chalky, dull gray to black stain, trace free oil, gas bubbles, fair to good odor in fresh samples (100 unit gas kick).
- 3236-3240' Limestone; gas, buff, slightly fossiliferous, chalky, poorly developed porosity, trace gray to brown spotty stain, no show of free oil and questionable odor in fresh samples.
- 3244-3248' Limestone; gray to dark gray, fossiliferous, slightly cherty, dull gray to black stain, weak show of free oil and faint odor samples broken.
- 3256-3266' Limestone; cream, gray, oolitic, poor porosity, trace gray to dull gray stain, no show of free oil or odor in fresh samples.

Drill Stem Test #2

3204-3272'

Times: 30-45-45-60

Blow: Strong, gas to surface in 55 minutes

Recovery: 10' gas cut mud

Pressures: ISIP 894 psi
 FSIP 765 psi
 IFP 36-38 psi
 FFP 31-32 psi
 HSH 1528-1511 psi

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- 3276-3282' Limestone; cream, gray, oomoldic, fair oomoldic and vuggy type porosity, trace brown stain, show of free oil and faint odor in fresh samples.

Limestone; cream, white, chalky.

Limestone; cream, white, sub oomoldic, chalky, trace black stain, trace of free oil (black) and questionable odor in fresh samples.

- 3350-3360' Limestone; cream, tan, fine to medium crystalline, chalky, few fossiliferous, golden brown spotty stain, trace of free oil and questionable odor in fresh samples.

- 3370-3374' Limestone; cream, white, oolitic, fair porosity, brown to golden brown stain, trace of free oil and faint odor in fresh samples.

Drill Stem Test #3

3325-3390'

Times: 30-45-45-60

Blow: Strong, gas to surface in three minutes, gas gauged as follows;

Initial Flow

10 minutes 400,000 cfgpd

20 minutes 400,000 cfgpd

30 minutes 400,000 cfgpd

Final Flow

5 minutes 400,000 cfgpd

15 minutes	400,000 cfigpd
25 minutes	400,000 cfigpd
35 minutes	385,000 cfigpd
45 minutes	369,000 cfigpd

Recovery: 50' very slightly oil cut gassy mud
(2% oil, 10% gas, 88% mud)
120' heavy oil and gas cut mud

Pressures: ISIP 988 psi
FSIP 901 psi
IFP 135-129 psi
FFP 123-120 psi
HSH 1621-1595 psi

3386-3392' Limestone; white, cream, finely crystalline, few medium crystalline, oolitic in part, brown to black stain, trace of free oil and faint odor in fresh samples.

3401-3406' Limestone; cream, oolitic, chalky, brown to black stain, trace of free oil, trace gas bubbles and good odor in fresh samples.

3420-3425' Limestone; cream, tan, finely crystalline, chalky, trace light brown to black stain, no show of free oil or odor in fresh samples.

Drill Stem Test #4 **3381-3426'**

Times: 20-20-20-20

Blow: Weak (died in 2 minutes)

Pressures: ISIP 293 psi
FSIP 211 psi
IFP 31-32 psi
FFP 30-33 psi
HSH 1633-1620 psi

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CONGLOMERATE SECTION

3470-3490' Chert; white, clear, boney, black edge staining, plus white, cream, dolomitic, spotty stain, trace of free oil.

3490-3511' Chert; as above, trace loose unconsolidated quartz grains, questionable stain, no show of free oil or odor in fresh samples.

Drill Stem Test #5 **3425-3511'**

Times: 30-30-30-30

Blow: Weak (dead in 2 minutes)

Recovery: 15' mud

Pressures: ISIP 53 psi
FSIP 47 psi
IFP 33-34 psi
FFP 35-39 psi
HSH 1663-1645 psi

ARBUCKLE SECTION

3513-3530'	Dolomite; cream, medium crystalline, few coarse crystalline, golden brown spotty stain, trace of free oil and faint odor, plus white, oolitic chert.
3530-3550'	Dolomite; as above, sandy, brown to golden brown stain, show of free, fair to good odor in fresh samples.
3550-3570'	Dolomite; as above, sucrosic, sandy, spotty golden brown stain, trace of free oil and fair odor in fresh samples.
3570-3590'	Dolomite; white/cream, medium to coarse crystalline, fair intercrystalline porosity, spotty brown/golden brown stain, no show of free oil and faint odor in fresh samples, plus white, boney to opaque chert.

Rotary Total Depth	3590 (-1704)
Log Total Depth	3591 (-1705)

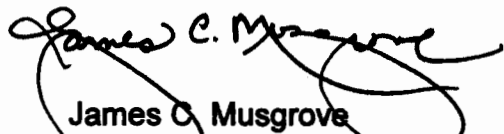
Recommendations:

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 1/2" production casing at 3585' and the following zones be perforated in the Globe Operating Inc.

Essmiller Brothers Farm #1:

- | | |
|---------------------|-----------------------|
| 1. Herington/Krider | 1710-1724 & 1734-1742 |
| 2. Admire | 2422-2427 |
| 3. Lansing | 3222-3226 |
| 4. Lansing | 3336-3340 |
| 5. Lansing | 3370-3374 |

Respectfully submitted;


James C. Musgrove
Petroleum Geologist

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