

4-17s-14w

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Globe Operating Inc.  
Christians #1  
1900' FNL & 1450' FEL; Section 4-17s-14w  
Barton County, Kansas  
Page No. 1

15-009-24,970-00-00

**Dry and Abandoned**

**Contractor:** Discovery Drilling Company (Rig #1)

**Commenced:** August 31, 2005

**Completed:** September 8, 2005

**Elevation:** 1980' K.B.; 1978' D.F.; 1972' G.L.

**Casing Program:** Surface; 8 5/8" @ 905'  
Production; none.

**Samples:** Samples saved and examined 2800' to the Rotary Total Depth.

**Drilling Time:** One (1) foot drilling time recorded and kept 2800' to the Rotary Total Depth.

**Measurements:** All depths measured from the Kelly Bushing.

**Formation Testing:** There were four (4) Drill Stem Tests ran by Diamond Testers.

**Electric Log:** By Log Tech; Dual Induction Compensated Density Neutron Log and Sonic.

**Gas Detector:** None.

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<u>Formation</u>	<u>Log Depth</u>	<u>Sub-Sea Datum</u>
Anhydrite	951	+1029
Heebner	3143	-1163
Toronto	3157	-1176
Douglas	3171	-1191
Brown Lime	3213	-1233
Lansing	3226	-1246
Base Kansas City	3426	-1446
Conglomerate	3431	-1451
Arbuckle	3475	-1495
Rotary Total Depth	3490	-1510
Log Total Depth	3492	-1512

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

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

**TOPEKA SECTION**

3088-3100' Limestone; gray, white, finely crystalline, slightly granular, sub oomoldic, chalky in part, no shows.

3100-3120' Limestone; as above, fossiliferous, poorly developed porosity, no shows.

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**TORONTO SECTION**

3156-3170' Limestone; cream, tan, finely crystalline, dense, no shows.

**LANSING SECTION**

3226-3232' Limestone; gray, finely crystalline, chalky, vuggy type porosity, brown to black stain, slight show of free oil and no odor in fresh samples.

**Drill Stem Test #1 3218-3246'(log measurements 3270-3248')**

**Times: 30-30-30-30**

**Blow: Weak**

**Recovery: 5' mud**

**Pressures: ISIP 783 psi**  
**FSIP 741 psi**  
**IFP 29-31 psi**  
**FFP 32-32 psi**  
**HSH 1546-1531 psi**

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3246-3254' Limestone; white, oolitic, oomoldic, fair oomoldic porosity, trace stain, no show of free oil or odor in fresh samples.

3270-3276' Limestone; cream, finely crystalline, chalky, no visible porosity, no shows.

3284-3292' Limestone; cream, light gray, finely crystalline, chalky, trace intercrystalline porosity, brown and black stain, show of free oil and faint odor in fresh samples.

3310-3321' Limestone; cream, white, finely crystalline, few oomoldic, fair oomoldic porosity, brown stain, no show of free oil.

3340-3346' Limestone; gray, cream, finely crystalline, fossiliferous in part, slightly cherty, trace brown stain, no show of free oil or odor in fresh samples.

3364-3368' Limestone; cream, white, light gray, finely crystalline, chalky in part, (dense), few brown stain, trace of free oil and no odor.

3376-3380' Limestone; cream, finely crystalline, chalky, fossiliferous in part, few with fossil cast to intercrystalline porosity, brown stain, show of free oil (heavy-black) trace gas bubbles, good streaming cut and faint odor in fresh samples.

3388-3400' Limestone; gray, white, oolitic, fossiliferous, scattered porosity, trace brown stain, no show of free oil or odor in fresh samples.

**Drill Stem Test #2** **3330-3400'(log measurements 3332-3402')**

**Times: 30-30-45-45**

**Blow: Weak**

**Recovery: 90' gas in pipe  
35' slightly oil and gas cut mud  
(3% oil, 10% gas, 87% mud)**

**Pressures: ISIP 246 psi  
FSIP 256 psi  
IFP 34-42 psi  
FFP 40-51 psi  
HSH 1618-1638 psi**

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3414-3422' Limestone; buff, tan, slightly oolitic, cherty in part, trace black spotty stain, no show of free oil or odor in fresh samples.

**CONGLOMERATE SECTION**

3431-3440' Sand; gray, very fine grained, quartzitic, calcareous, no shows.

3440-3454' Chert; red, white, yellow, boney, plus shale, red, brick red, blocky.

3454-3475' Chert; white, gray, oolitic, weathered in part, black spotty stain, no show of free oil or odor in fresh samples.

**ARBUCKLE SECTION**

3475-3477' Dolomite; gray, white, medium crystalline, scattered porosity, no stain, no free oil and faint odor in fresh samples.

3477-3486' Dolomite; cream, white, medium crystalline, scattered intercrystalline porosity, trace spotty brown stain, trace of free oil and faint odor in fresh samples.

**Drill Stem Test #3** **3414-3484'(log measurements 3416-3486')**

**Times: 30-30-45-45**

**Blow: Weak to good**

**Recovery: 220' thin watery mud**

**Pressures: ISIP 1100 psi  
FSIP 1107 psi  
IFP 36-78 psi  
FFP 82-131 psi  
HSH 1668-1645 psi**

3486-3492' Dolomite; white, cream, medium to coarse crystalline, fair to good intercrystalline porosity, spotty brown to dark brown stain, show of free oil and faint odor in fresh samples.

**Drill Stem Test #4** **3414-3490' (log measurements 3416-3492')**

**Times:** 5-15-20-30

**Blow:** Strong

**Recovery:** 600' muddy water  
900' water

**Pressures:** ISIP 1067 psi  
FSIP 1048 psi  
IFP 290-383 psi  
FFP 455-712 psi  
HSH 1680-1649 psi

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**Rotary Total Depth** 3490 (-1510)  
**Log Total Depth** 3492 (-1512)

**Recommendations:**

The Christians #1 was plugged and abandoned at the Rotary Total Depth 3490 (-1510).

Respectfully submitted;

*James C. Musgrove and Josh R. Austin*  
James C. Musgrove and  
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