

8-17s-11w

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RJM Oil Company Inc.  
Wondra 'B' #2  
NW-NW-SE-NW; Section 8-17s-11w  
Barton County, Kansas  
Page No. 1  
15-009-24950-00-00

**5 1/2" Production Casing Set**

**Contractor:** VonFeldt Drilling Co.(Rig #1)  
**Commenced:** June 14, 2006  
**Completed:** June 19, 2006  
**Elevation:** 1899' K.B.; 1897' D.F.; 1894' G.L.  
**Casing Program:** Surface; 8 5/8" @ 330'  
Production; 5 1/2" @ 3424'  
**Samples:** Samples saved and examined 2700' to the Rotary Total Depth.  
**Drilling Time:** One (1) foot drilling time recorded and kept 2700' to the Rotary Total Depth.  
**Measurements:** All depths measured from the Kelly Bushing.  
**Formation Testing:** There was one (1) Drill Stem Test ran by Diamond Testing Co.  
**Electric Log:** By Log Tech; Dual Induction, Dual Compensated Porosity Log, Sonic and Micro Log.

<u>Formation</u>	<u>Log Depth</u>	<u>Sub-Sea Datum</u>
Anhydrite	745	+1154
Heebner	2966	-1067
Toronto	2983	-1084
Douglas	2996	-1097
Douglas Sand	3014	-1115
Brown Lime	3066	-1167
Lansing	3080	-1181
Base Kansas City	3321	-1422
Arbuckle	3344	-1445
Rotary Total Depth	3425	-1526
Log Total Depth	3428	-1529

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

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

**TOPEKA SECTION**

2780-2790' Limestone; white, fossiliferous, slightly cherty, scattered fossil cast porosity, (barren).  
2790-2806' Limestone; as above, granular in part, trace gray chert, no shows.  
2840-2852' Limestone; white, gray, finely crystalline, granular in part, few fossiliferous, chalky, trace loose fossil fragments, no shows.

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- 2886-2900' Limestone; white, gray, fossiliferous, chalky, no shows.
- 2921-2940' Limestone; tan, buff, granular, sub oomoldic, fair oomoldic type porosity, plus gray chert.
- 2950-2966' Limestone; gray, fossiliferous, chalky, trace gray boney chert.

**TORONTO SECTION**

- 2983-2993' Limestone; white, gray, finely crystalline, fair fossiliferous, chalky, no shows.

**DOUGLAS SECTION**

- 3014-3022' Sand; white, lime green, very fine grained, micaceous, calcareous in part, poor visible porosity, no shows.

**LANSING SECTION**

- 3085-3090' Limestone; gray, cream, fine to medium crystalline, few fossiliferous, chalky, poor visible porosity, no shows.
- 3094-3101' Limestone; white, cream, chalky, few fossiliferous, trace brown to gray stain, trace of free oil and questionable odor in fresh samples.
- 3106-3111' Limestone; gray, white, fossiliferous, chalky, trace black tarry stain, no show of free oil or odor in fresh samples.
- 3116-3120' Limestone; gray, cream, fine to medium crystalline, spotty golden brown stain, trace of free oil and faint odor in fresh samples.
- 3130-3140' Limestone; as above, few fossiliferous, chalky in part, no shows.
- 3150-3160' Limestone; cream, white, oolitic, chalky, sparry calcite cement, trace brown to golden brown stain, show of free oil and faint odor in fresh samples.
- 3170-3196' Limestone; buff, oomoldic, fair oomoldic porosity, trace tan and gray chert.
- 3221-3230' Limestone; gray, white, fossiliferous, sub oomoldic, chalky, no stain, no free oil and faint odor in fresh samples.
- 3248-3260' Limestone; cream, fossiliferous, scattered fossil cast porosity, trace limestone, white, oomoldic, fair oomoldic porosity, brown and dark brown stain, show of free oil and faint odor in fresh samples.
- 3288-3306' Limestone; white, gray, oolitic, chalky, poorly developed porosity (barren).

**ARBUCKLE SECTION**

- 3344-3350' Dolomite; cream, white, medium crystalline, fair intercrystalline porosity, no shows.
- 3350-3356 Dolomite; as above.

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- 3356-3361' Dolomite; cream, white, medium to coarse crystalline, scattered intercrystalline to vuggy type porosity, trace brown stain, show of free oil, faint odor.
- 3361-3367' Dolomite; white, medium crystalline, fair intercrystalline porosity, spotty brown to golden brown stain, show of free oil and faint odor in fresh samples.

**Drill Stem Test #1** **3326-3364' (log measurements 3329-3367)**

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

**Blow:** Strong

**Recovery:** 10' gas in pipe  
250' clean gassy oil  
190' mud cut gassy oil  
(30% mud, 10% gas, 60% oil)

**Pressures:** ISIP 1105 psi  
FSIP 1108 psi  
IFP 36-115 psi  
FFP 119-190 psi  
HSH 1660-1627 psi

- 3367-3377' Dolomite; as above, fair to good intercrystalline porosity, fair spotty brown stain, show of free oil and faint odor in fresh samples.
- 3380-3390' Dolomite; as above, decreasing stain and saturation, no show of free oil and questionable odor in fresh samples.
- 3390-3400' Dolomite; cream, white, medium to coarse crystalline, fair to good intercrystalline and vuggy type porosity, no show.
- 3400-3425' Dolomite; as above, plus white chalky and gray and green shale.

**Rotary Total Depth** 3425 (-1526)  
**Log Total Depth** 3428 (-1529)

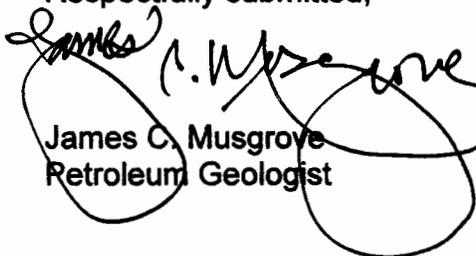
**Recommendations:**

On the basis of the favorable structural position and the positive results of the Drill Stem Test, it was recommended by all parties involved to set and cement 5 1/2" production casing at 3424' (one foot off bottom, Rotary measurements)) and the following zones be tested in the Wondra 'B' #2:

1. Arbuckle 3358-3361

All zones with sample shows and porosity should be tested before abandonment.

Respectfully submitted;

  
James C. Musgrove  
Petroleum Geologist



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