

15-009-24973

31-16s-11W

2310 FNL
425 FEL

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RJM Oil Company Inc.
Wondra Brothers 'A' #1
95' West, NE-NE-SE; Section 31-16s-11w
Barton County, Kansas
Page No. 1

15-009-24943-00-00

5 1/2" Production Casing Set

Contractor: VonFeldt Drilling Co.(Rig #1)

Commenced: May 31, 2006

Completed: June 5, 2006

Elevation: 1900' K.B.; 1898' D.F.; 1895' G.L.

Casing Program: Surface; 8 5/8" @ 422'
Production; 5 1/2" @ 3394'

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 Superior Testers Enterprises Inc.

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>
Topeka	2662	-762
Heebner	2948	-1048
Toronto	2963	-1063
Douglas	2979	-1079
Douglas Sand	2993	-1093
Brown Lime	3045	-1145
Lansing	3067	-1167
Base Kansas City	3314	-1414
Arbuckle	3321	-1421
Rotary Total Depth	3395	-1495
Log Total Depth	3395	-1495

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

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

TOPEKA SECTION

2821-2830' Limestone; tan, finely crystalline, fossiliferous, scatter porosity, no shows.

2891-2916' Limestone; gray, white, slightly fossiliferous, few granular, dark brown to brown spotty stain, trace of free oil and no odor in fresh samples.

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2934-2940' Limestone; white, cream, chalky, trace black spotty stain, no show of free oil or odor in fresh samples.

TORONTO SECTION

2965-2970' Limestone; white, finely crystalline, chalky, trace brown stain, no show of free oil or odor in fresh samples.

DOUGLAS SECTION

2994-3005' Sand; brown to gray, sub rounded, calcareous, friable, fair intergranular porosity, good brown to dark brown stain, fair to good show of free oil and fair odor in fresh samples.

LANSING SECTION

3066-3070' Limestone; cream, white, fossiliferous, oomoldic, fair oomoldic porosity, brown to golden brown stain, trace of free oil and faint odor in fresh samples.

3084-3091' Limestone; as above, plus white, gray, chalky.

3110-3120' Limestone; gray, oolitic/fossiliferous, chalky, scattered vuggy porosity, trace brown spotty stain, trace of free oil and fair odor in fresh samples.

3134-3140' Limestone; gray, shaley in part, slightly fossiliferous, poor visible porosity, no shows.

3148-3152' Limestone; gray, cream, oomoldic, chalky, fair oomoldic porosity, brown to golden brown stain, show of free oil and fair odor in fresh samples.

3160-3180' Limestone; brown, cream, oomoldic, fair to good oomoldic porosity, chalky, no show, faint odor in fresh samples.

3206-3211' Limestone; white, oomoldic, few oolitic, fair oomoldic porosity, trace brown to dark brown stain, show of free oil and faint odor in fresh samples.

3224-3230' Limestone; tan, oolitic, slightly chalky, no shows.

3256-3262' Limestone; gray, cream, slightly fossiliferous, chalky, no shows.

3276-3290' Limestone; tan, gray, chalky, trace black (tarry) stain, no show of free oil or odor in fresh samples.

3290-3300' Limestone; white, cream, fine to medium crystalline, slightly fossiliferous, chalky, no shows.

ARBUCKLE SECTION

3321-3325' Dolomite; cream, white, medium to coarse crystalline, spotty brown stain, trace of free oil and faint odor in fresh samples.

3325-3332' Dolomite; as above, fair to good porosity, spotty brown to light brown stain, show of free oil and fair to good odor in fresh samples.

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Drill Stem Test #1 **3309-3332'**

Times: 30-30-30-45

Blow: Strong

Recovery: 120' gas in pipe
245' clean gassy oil
120' heavy oil cut watery mud
(35% gas, 35% oil, 5% mud, 25% water)
120' slightly oil cut water
(5% gas, 5% oil, 15% mud, 75% water)

Pressures: ISIP 1107 psi
FSIP 1107 psi
IFP 53-161 psi
FFP 177-263 psi
HSH 1654-1643 psi

- 3332-3350' Dolomite; as above, few glauconitic, fair to good intercrystalline to vuggy type porosity, fair stain, fair show of free oil and fair odor in fresh samples.
- 3350-3360' Dolomite; as above, trace iron pyrite.
- 3360-3380' Dolomite; gray, white, cream, medium and coarse crystalline, fair to good vuggy and intercrystalline porosity, trace stain, trace of free oil and fair to good odor in fresh samples.
- 3380-3395' Dolomite; as above.

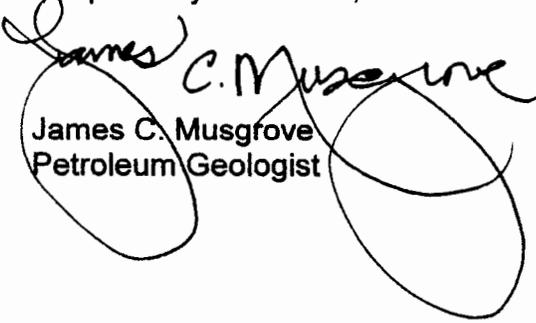
Rotary Total Depth 3395 (-1495)
Log Total Depth 3395 (-1495)

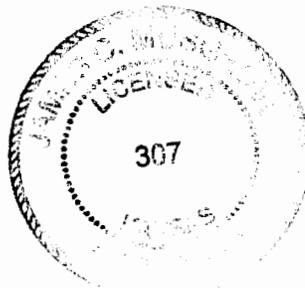
Recommendations:

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 3395' (one foot off bottom) and the following zones be tested in the Wondra Brothers 'A' #1:

1. Arbuckle 3324-3328
2. Lansing 'H' 3206-3210 perforate
3. Lansing 'G' 3148-3152 perforate
4. Lansing 'A' 3068-3072 perforate
5. Douglas Sand 2994-3005 perforate

Respectfully submitted;


James C. Musgrove
Petroleum Geologist



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