

34-07s-21w
NW SE SW

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K. & B. NORTON OIL & INVESTMENTS L.L.C.
Stehno Farms # 1
20' N & 10' E, NW SE SW, Section 34-7S-21W
Graham County, Kansas

5 1/2" Production Casing Set

CONTRACTOR: W.W. Drilling, L.L.C.
COMMENCED: 8-24-05
COMPLETED: 8-28-05
ELEVATIONS: 2016' K.B., 2014' D.F., 2011' G.L.
CASING PROGRAM: Surface: 8 5/8" @ 235'
Production: 5 1/2" @ 3638' (Est.)
MEASUREMENTS: All depths measured from the Kelly Bushing
DRILLING TIME: One (1) foot drilling time recorded by geolograph, surface to the R.T.D.
SAMPLES: Samples saved 2900' to the R.T.D.
ELECTRIC LOG: By Eli Wireline, CNL/CDL, DIL, MEL, Logs.
FORMATION TESTING: There were three (3) drill stem tests run by Trilobite Testing, Inc.

<u>FORMATION</u>	<u>ELECTRIC LOG DEPTH</u>	<u>SUB-SEA DATUM</u>
ANHYDRITE	1617	+ 399
TOPEKA	3016	- 1000
HEEBNER	3226	- 1210
TORONTO	3251	- 1235
LANSING	3265	- 1249
BASE KANSAS CITY	3461	- 1445
CONGLOMERATE	3550	- 1514
WEATHERED ARBUCKLE	3563	- 1547

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ARBUCKLE	3606	-1590
ROTARY TOTAL DEPTH	3640	-1625
ELECTRIC TOTAL DEPTH	3639	-1624

(All tops and zone determinations were corrected to the electric log engineer's measurements.)

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

TOPEKA SECTION

3177-3185

Limestone, tan to light gray, oolitic to oocastic, finely crystalline, fair to good scattered oocastic porosity, (barren). No shows of oil.

TORONTO SECTION

No zones worthy of noting.

LANSING SECTION

3265-3270

Limestone, white to cream, finely crystalline, fossiliferous, trace of spotty poor vugular porosity, trace of spotty light stain. Trace of free oil and faint odor in fresh samples.

3304-3306

Limestone, buff to white, finely crystalline, dense, slightly oolitic to fossiliferous, trace of poor spotty vugular porosity, trace of spotty light stain. Show of free oil and no odor in fresh samples.

DRILL STEM TEST # 1 3258-3315

Open:	I.F. 30' F.F. 30"
Blow:	Weak, surface.
Recovery:	2' of clean oil. 60' of oil cut mud. 20% O 80% M
Pressures:	BHP 1062-921 psi IFP 20-31 psi FFP 38-42 psi HSH 1560-1546 psi

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3346-3350 Limestone, white to cream, finely crystalline, fossiliferous, spotty fair vugular porosity, spotty light stain. Show of free oil and faint odor in fresh samples.

3356-3358 Limestone, buff to white, finely crystalline, with abundant white chalk. No shows of oil.

DRILL STEM TEST # 2 3330-3360

Open: I.F. 30'
F.F. 60"
Blow: Strong, B.O.B. 11"
Recovery: 1' of clean oil.
599' muddy saltwater.
Pressures: BHP 757-745 psi
IFP 26-145 psi
FFP 148-296 psi
HSH 1615-1578 psi

3421-3424 Limestone, buff to light gray, finely crystalline, oolitic to fossiliferous, trace of spotty interoolitic to vugular porosity, fair scattered brown stain and saturation. No free oil and faint odor in fresh samples.

DRILL STEM TEST # 3 3410-3470

Open: I.F. 30'
F.F. 60"
Blow: 1st-Weak 2" 2nd- Fair 8"
Recovery: 180' GIP.
50' of clean oil.
60' Of MCO 50% O 50% M.
Pressures: BHP 1121-1127 psi
IFP 19-33 psi
FFP 34-51 psi
HSH 1674-1633 psi .

WEATHERED ARBUCKLE SECTION

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3563-3600

Dolomite, tan to brown, finey crystalline to dense, very pyritic, trace of black gilsonitic stain, no visible porosity.

ARBUCKLE SECTION

3606-3639

Dolomite, light gray, fine to medium crystalline, fair scattered intercrystalline porosity, trace of dead (tarry) stain. No free oil or odor in fresh samples.

ROTARY TOTAL DEPTH 3640 (-1625)

ELECTRIC TOTAL DEPTH 3639 (-1624)

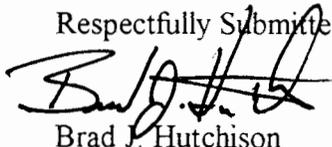
RECOMMENDATIONS: It was recommended that 5 1/2" production casing be set and cemented at 3638', two foot off bottom, and the following zones to be tested and evaluated thru perforating and acid stimulation.

1. Lansing

3268-3270

3422-3424

Respectfully Submitted,



Brad J. Hutchison

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