15-065-22939 23-8s-23w

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Geological Report

HT Oil, LLC
No. 1 Lynd
SW SE NW - Section 23-8s-23w
Graham County, Kansas

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HT Oil LLC
No. 1 Lynd
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Elevations:	2154 Kelly Bushing 2152 Derrick Floor 2149 Ground Level
Commenced:	October 17, 2003
Completed:	October 26, 2003
Rotary Total Depth:	3660 feet
Logged Total Depth:	3660 feet
Surface Pipe:	8 5/8" @ 213' cemented with 160 sx common, 3% CC, 2% Gel
Production Pipe:	None
Logs:	ELI Wireline Services 1. Radiation Guard Log 2. Sonic Log

Daily Penetration Rate:

October 17, 2003	0700	0 ft. Rigging Up
October 18, 2003	"	500 ft. Drilling
October 19, 2003	"	1500 ft. Drilling
October 20, 2003	"	2200 ft. Drilling
October 21, 2003	"	2900 ft. Drilling
October 22, 2003	"	3320 ft. Drilling
October 23, 2003	"	3488 ft. DST #2
October 24, 2003	"	3565 ft. DST #4
October 25, 2003	"	3600 ft. DST #6
October 26, 2003	"	3660 ft. TD

All measurements were from the Kelly Bushing (2154 feet). RTD was 3660 feet, LTD was 3660 feet (-1507).

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One foot drilling time was plotted from 3100 feet to TD. Ten foot samples were saved and examined from 3150 feet to TD. All shows of oil were noted and were tested by Trilobite Testing Inc. Shows and test results are reported later in the report.

The pipe was strapped at 3465 feet during our first drill stem test. The strap was measured at 3481.62 feet and the board measured 3481.20 for a difference of .42 feet. No corrections were made.

There were two deviation test ran. The first one was at 213' (1/4 degree), the second one was at 3465' (1/4 degree). All are in the normal deviation allowances.

Formation	Sample	Log	Datum
Top Anhydrite	1783	1784	+ 370
Base Anhydrite	1818	1818	+ 336
Topeka	3158	3158	- 1004
Heebner	3369	3370	- 1216
Toronto	3391	3394	- 1240
Lansing	3410	3412	- 1258
"C"	3445	3446	- 1192
"D"	3455	3457	- 1303
"E"	3580	3481	- 1327
"F"	3585	3485	- 1331
"G"	3498	3496	- 1342
"H"	3534	3536	- 1382
"I"	3557	3560	- 1407
"J"	3572	3572	- 1418
Stark Shale	3583	3583	- 1429
"K"	3590	3591	- 1437
Hush Puk Shale	3600	3600	- 1446
"L"	3604	3605	- 1451
BKC	3620	3618	- 1464
RTD	3660	3660	- 1506

Drill Stem Test and Shows;

Kansas City "C" Zone, 3446 feet (-1192 EL)

The "C" zone consisted of a limestone, creme to tan, fine crystalline, tight, no show of oil, no visible porosity. It was included in DST #1.

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Kansas City "D" Zone, 3457 feet (-1303 EL)

The "D" zone consisted of a limestone, creme to tan, fine crystalline, no visible porosity, it had a show of free oil. Light staining in the dry sample. No odor. This was covered in DST #1.

Kansas City "E" Zone, 3481 feet (-1327 EL)

The "E" zone was a limestone, creme to tan, fine crystalline, slightly fossiliferous. No visible porosity. It had a trace of oil, no odor, staining in the dry sample. This was covered in DST #2.

Kansas City "F" Zone, 3585 feet (-1331 EL)

The "F" zone was a limestone, creme to tan, fine crystalline, slightly chalky, very slight odor, trace of free oil, light staining in dry sample. Pin point to vuggy porosity. This was covered in DST # 3.

Kansas City "H" Zone, 3536 feet (-1382 EL)

The "H" zone consisted of a limestone, tan, fine crystalline, dense, no show, It was covered in DST #4

Kansas City "I" Zone, 3560 feet (-1407 EL)

The "I" zone was a limestone, creme to tan, fine crystalline, it appears tight, It had a trace of free oil, very slight odor, staining in the dry samples It was covered in DST #4.

Kansas City "J" Zone, 3572 feet (-1418 EL)

The "J" zone consisted of a limestone, creme to tan, fine crystalline. Slightly oolitic porosity, trace of free oil, no odor, slight staining in dry sample. It was covered in DST # 5.

Kansas City "K" Zone, 3591 feet (-1437 EL)

The "K" zone was a limestone, tan, fine to medium crystalline. Slight odor. Trace of free oil, good stain in dry sample. Porosity is questionable, It was covered in DST #6.

Kansas City "L" Zone, 3605 feet (-1451 EL)

The "L" zone was a limestone, tan, fine crystalline, dense. No shows. It wasn't worthy of a test.

There wasn't anything below the Kansas City that was worthy of a test.

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Drill Stem Tests:

DST No. 1 - "C" and "D" Zone

3425-3465 Open 30 minutes. Weak surface blow. Shut-in 30 minutes.
Open 30 minutes. Weak surface blow. Shut-in 30 minutes.
Recovered: 30 feet of drilling mud

Initial Hydrostatic Pressure	1649 psi	Final Flow Pressure	22-28 psi
Initial Flow Pressure	12-22 psi	Final Shut-in Pressure	469 psi
Initial Shut-in Pressure	519 psi	Final Hydrostatic Head	1641 psi
Temperature	101 degrees		

DST No. 2 - "E" Zone

3460-3488 Open 30 minutes. Weak Blow, died in 18 minutes. Shut-in 30 minutes.
Open 30 minutes. No blow. Shut-in 30 minutes.
Recovered: 5 feet drilling mud with oil specks

Initial Hydrostatic Head	1698 psi	Final Flow Pressure	12-14 psi
Initial Flow Pressure	11-12 psi	Final Shut-in Pressure	39 psi
Initial Shut-in Pressure	83 psi	Final Hydrostatic Head	1666 psi
Temperature	101 degrees		

DST No. 3 - "F" Zone

3460-3495 Open 15 minutes. Weak surface blow. Shut-in 15 minutes.
Open 15 minutes. No blow. Shut-in 15 minutes.
Recovered: 5 feet drilling mud with oil specks

Initial Hydrostatic Head	1677 psi	Final Flow Pressure	16-18 psi
Initial Flow Pressure	13-16 psi	Final Shut-in Pressure	719 psi
Initial Shut-in Pressure	733 psi	Final Hydrostatic Head	1665 psi
Temperature	97 degrees		

DST No. 4 - "H" and "I" Zone

3510-3565 Open 30 minutes. Weak surface built to 1 inch. Shut-in 30 minutes.
Open 30 minutes. Weak surface blow. Shut-in 30 minutes.
Recovered: 40 feet drilling mud with oil specks

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Initial Hydrostatic Head	1728 psi	Final Flow Pressure	25-30 psi
Initial Flow Pressure	14 -24 psi	Final Shut-in Pressure	629 psi
Initial Shut-in Pressure	734 psi	Final Hydrostatic Head	1711 psi
Temperature	104 degrees		

DST No. 5 - "J" Zone

3562-3585 Open 30 minutes. Weak blow died in 10 minutes. Shut-in 30 minutes.
Open 30 minutes. No blow. Shut-in 30 minutes.
Recovered: 40 feet drilling mud

Initial Hydrostatic Head	1735 psi	Final Flow Pressure	19-31 psi
Initial Flow Pressure	20-23 psi	Final Shut-in Pressure	37 psi
Initial Shut-in Pressure	23 psi	Final Hydrostatic Head	1725 psi
Temperature	100 degrees		

DST No. 6 - "K" Zone

3580-3600 Open 30 minutes. Weak surface blow. Shut-in 30 minutes.
Open 30 minutes. No blow. Shut-in 30 minutes.
Recovered: 30 feet drilling mud with oil specks

Initial Hydrostatic Head	1759 psi	Final Flow Pressure	16-18 psi
Initial Flow Pressure	12-16 psi	Final Shut-in Pressure	948 psi
Initial Shut-in Pressure	1013 psi	Final Hydrostatic Head	1742 psi
Temperature	101 degrees		

Recommendations and Conclusions:

The #1 Lynd was basically flat structurally to the surrounding offsets. All shows were tested with negative results. The electric log by ELI Wireline also indicated negative results. It was therefore recommended that the well be plugged and abandoned. There was excellent shows of oil in the Kansas City. The test were negative because we had no permability. Because we ran structurally flat to high and had the good shows, I would recommend that some three-d seismic should be shot and drill another prospect on the best location to be determined by the interpertation of the results.

Respectfully Submitted

Dusty Rhoades

Dusty Rhoades, Geologist