API # 15-179-21205-0000

# GEOLOGICAL REPORT

COMPANY Pintail Petroleum, Ltd.
LEASE Pratt A #2-35
LOCATION 1200' FNL & 345' FWL
SEC. 35 TWP. 8S RGE. 29W
COUNTY Sheridan STATE Kansas
CONTRACTOR STP Drilling Rig #1
SPUD 8-27-08 COMP. 9-7-08
SAMPLES SAVED FROM 3400' TO RTD
DRILL STEM TESTS NO. 5
ELECTRIC LOGS Nabors Completion & Production Services, LLC
KB 2822'
GL 2817'
ELEVATION

| FORMATION | SAMPLE | LOG | SUB-SEA DATUM |
|---|---|---|---|
| Anhydrite | 2420 | 2420 | +402 |
| Base Anhydrite | 2454 | 2454 | +368 |
| Winfield | 3432 | 3432 | -610 |
| Fort Riley | 3470 | 3470 | -648 |
| Wreford | 3532 | 3532 | -710 |
| Council Grove | 3560 | 3560 | -738 |
| Admire | 3634 | 3634 | -812 |
| Howard | 3692 | 3692 | -870 |
| Topeka | 3707 | 3707 | -885 |
| Heebner | 3880 | 3880 | -1058 |
| Toronto | 3900 | 3900 | -1078 |
| Lansing | 3918 | 3918 | -1096 |
| Kansas City | 4128 | 4128 | -1306 |
| Stark Shale | 4272 | 4272 | -1450 |
| Hushpuckney | 4312 | 4312 | -1490 |
| Base Kansas City | 4346 | 4346 | -1524 |
| Marmaton | 4360 | 4360 | -1538 |
| Altamont | 4382 | 4382 | -1560 |
| Pawnee | 4440 | 4440 | -1618 |
| Myrick Station | 4464 | 4464 | -1642 |
| Fort Scott | 4478 | 4478 | -1656 |
| Cherokee Sh. | 4504 | 4504 | -1682 |
| Johnson Zone | 4552 | 4552 | -1730 |
| Mississippian | 4644 | 4644 | -1822 |
| RTD | 4670 | 4670 | -1848 |
| LTD | | 4669 | -1847 |

REMARKS
This well was drilled based on the Lawrence Top. Then the reference wells to arrive at structural position. Casing should be cemented on or before test time. Tops came from wireline logs. Samples were examined and washed. Sands were fine grained, well sorted, with fair shows.

Geologist Will Stegall

LEGEND

Anhydrite | Salt | Sandstone | Shale | Cherty ss | Limestone | Oolitic Lime | Chert | Dolomite

DRILLING TIME IN MINUTES PER FOOT
Rate of Penetration Decreases
0" 10" 15" 20" 30"

DEPTH | LITHOLOGY | SAMPLE DESCRIPTIONS | NO. SHOWS | REMARKS

Anhydrite 2420
2440
Base Anhydrite 2470
3400
20
40
60
80
3500
20
40
60
Winfield 3532
80
Fort Riley 3560
3600
20
40
60
Wreford 3634
80
3700
20
40
60
Council Grove 3692
Topeka 3707
80
3800
20
40
60
Heebner 3880
80
3900
Toronto 3900
20
40
60
Lansing 3918
80
4000
20
40
60
Kansas City 4128
80
4200
20
40
Stark Shale 4272
60
80
4300
20
40
Base Kansas City 4346
60
80
4400
20
40
Marmaton 4360
60
80
4500
20
40
Altamont 4382
60
Pawnee 4440
80
4600
20
40
Fort Scott 4478
60
80
RTD 4670

DRILLING TIME Minutes/Foot
Rate of Penetration Decreases
0" 10" 15" 20" 30"

DEPTH | SAMPLE DESCRIPTIONS | NO. SHOWS | REMARKS

CONTRACTOR STP Drilling
LEASE Pratt A #2-35 UP
ELEVATION 2822 KB RTD 4670

LOCATION 1200' FNL & 345' FWL
SEC. 35 TWP. 8S RGE. 29W
COUNTY Sheridan STATE Kansas