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Bear Petroleum
Baker #1-16
80' NE of C-SW; Section 16-17s-13w
Barton County, Kansas
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5 1/2" Production/Disposal Casing Set

Contractor: Warren Drilling Company (Rig #2)
Commenced: April 21, 2007
Completed: April 27, 2007
Elevation: 1943' K.B.; 1941' D.F.; 1935' G.L.
Casing Program: Surface; 8 5/8" @ 865'
Production/Disposal; 5 1/2" @ 3450'
Samples: Samples saved and examined 2900' 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: None.
Electric Log: By Log Tech; Radiation Guard Log.

<u>Formation</u>	<u>Log Depth</u>	<u>Sub-Sea Datum</u>
Anhydrite	869	+1074
Topeka	2807	-8664
Heebner	3087	-1144
Toronto	3100	-1157
Douglas	3113	-1170
Brown Lime	3168	-1225
Lansing	3179	-1236
Base Kansas City	3368	-1425
Arbuckle	3400	-1457
Rotary Total Depth	3487	-1544
Log Total Depth	3486	-1534

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

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

TOPEKA SECTION

2900-3083' There were several zones of well developed porosity in the Topeka Section but no shows of oil and/or gas was noted.

TORONTO SECTION

3101-3106' Limestone; tan, finely crystalline, fossiliferous, slightly chalky, golden brown stain, trace of free oil and no odor in fresh samples.

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LANSING SECTION

- 3184-3188' Limestone; tan, fossiliferous, slightly cherty, poor visible porosity, trace black and brown tarry stain, no show of free oil or odor in fresh samples.
- 3206-3211' Limestone; tan, fossiliferous, poor visible porosity, no shows.
- 3225-3230' Limestone; gray, buff, finely crystalline, chalky in part, few fossiliferous, trace poor intercrystalline and pinpoint type porosity, gray and black stain, trace of free oil and no odor in fresh samples, (trace gray and white chert).
- 3241-3248' Limestone; white, medium crystalline, chalky, trace spotty stain, show of free oil and questionable odor in fresh samples.
- 3250-3268' Limestone; tan, buff, oomoldic, fair to good oomoldic porosity, trace golden brown stain, show of free oil and fair odor in fresh samples.
- 3271-3281' Limestone; white, gray, oomoldic, fair to good oomoldic porosity (barren).
- 3311-3316' Limestone; gray, fossiliferous, sub oomoldic, chalky, spotty stain, no show of free oil or odor in fresh samples.
- 3331-3338' Limestone; gray, oolitic, chalky in part, poorly developed porosity, no shows.
- 3347-3360' Limestone; tan, oolitic, fossiliferous, slightly cherty, poor visible porosity, trace spotty stain, brown stain, weak show of free oil and questionable odor in fresh samples.

ARBUCKLE SECTION

- 3400-3410' Dolomite; tan, buff, finely crystalline, sucrosic, scattered pinpoint type porosity, light brown stain, show of free oil and faint odor in fresh samples.
- 3410-3420' Dolomite; as above, spotty stain, show of free oil and odor samples broken.
- 3420-3430' Dolomite; tan, gray, finely crystalline, sucrosic, scattered intercrystalline to pinpoint type porosity, brown and golden brown stain, show of free oil and fair odor in fresh samples.
- 3430-3440' Dolomite; buff, tan, medium crystalline, trace spotty stain, trace of free oil and questionable odor in fresh samples.
- 3440-3460' Dolomite; as above, decreasing stain, no show of free oil and no odor in fresh samples, trace iron pyrite.
- 3464-3486' Dolomite; gray, white, medium crystalline, few coarse crystalline, good intercrystalline porosity, plus white chalk.

Rotary Total Depth 3487 (-1544)
Log Total Depth 3486 (-1543)

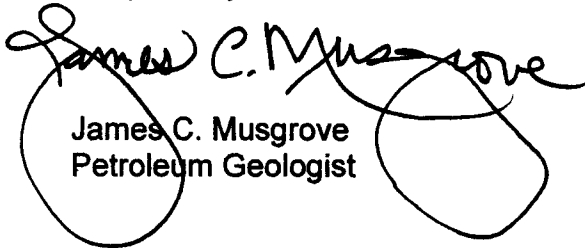
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Recommendations:

5 1/2" production/disposal casing was set and cemented. All zones with samples shows and porosity should be tested before disposal completion.

Respectfully submitted;


James C. Musgrove
Petroleum Geologist

