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36-18s-25w
C NW NE

API # 15-135-24124

Blueridge Petroleum Corporation
Horchem #1-36
C-NW-NE; Section 36-18s-25w
Ness County, Kansas
Page No. 1

690 FNL 1970 FEL

Dry and Abandoned

Contractor: Discovery Drilling Company (Rig #1)

Commenced: January 15, 2001

Completed: January 24, 2001

Elevation: 2405' K.B.; 2402' D.F.; 2397' G.L.

Casing Program: Surface; 8 5/8" @ 214'
Production; None

Samples: Samples saved and examined 3500' to the Rotary Total Depth.

Drilling Time: One (1) foot drilling time recorded and kept 3500' to the Rotary Total Depth.

Measurements: All depths measured from the Kelly Bushing.

Formation Testing: There were three (3) Drill Stem Test ran by Superior Testers.

Electric Log: By Eli Wireline Services; Radiation Guard Log.

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<u>Formation</u>	<u>Log Depth</u>	<u>Sub-Sea Datum</u>
Anhydrite	1671	+734
Base Anhydrite	1710	+695
Heebner	3779	-1374
Toronto	3798	-1393
Lansing	3822	-1417
Base Kansas City	4162	-1757
Marmaton	4173	-1768
Pawnee	4255	-1850
Ft. Scott	4331	-1926
Cherokee	4355	-1950
Mississippian	4427	-2022
Mississippian Dolomite	4443	-2038
Rotary Total Depth	4463	-2058
Log Total Depth	4465	-2060

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

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

TOPEKA SECTION

3696-3704' Limestone; white to gray to tan, finely crystalline, granular, fossiliferous in part, fair porosity, no shows.

3708-3724' Limestone; as above.

- 3727-3750' Limestone; gray to white, finely crystalline, finely crystalline fossiliferous, granular, fair intercrystalline to pinpoint to vuggy type porosity, no shows.
- 3750-3760' Limestone; as above, plus white to gray fossiliferous chert.
- 3760-3770' Limestone; as above, plus white chalk.

TORONTO SECTION

- 3798-3811' Dolomite; gray to white, finely crystalline, good intercrystalline to vuggy porosity, good brown to golden brown stain and saturation, good bright yellow fluorescence, good streaming cut, trace free oil and faint odor in fresh samples.

Drill Stem Test #1 3774-3824'

Times: 20-45-60-60

Blow: Good

**Recover: 120' watery mud
 420' slightly muddy water**

**Pressures: ISIP 1233 psi
 FSIP 1072 psi
 IFP 58-97 psi
 FFP 127-273 psi
 HSH 1827-1798 psi**

LANSING SECTION

- 3822-3830' Limestone; white to gray, slightly fossiliferous, chalky, no shows.
- 3858-3872' Limestone; white, fine to medium crystalline, fossiliferous, chalky, fair porosity, no shows.
- 3885-3902' Limestone; tan to brown, finely crystalline, fossiliferous, cherty, dense.
- 3906-3921' Limestone; gray to white, fine to medium crystalline, fossiliferous, chalky in part, no shows.
- 3943-3962' Limestone; gray, medium crystalline, fossiliferous, chalky, scattered fossil cast to intercrystalline porosity, no shows.
- 3966-3974' Limestone; white, medium crystalline, fair intercrystalline porosity, slightly cherty, plus white to gray chert.
- 3996-4010' Limestone; white, finely oolitic, scattered pinpoint to vuggy type porosity, chalky, no shows.
- 4025-4039' Limestone; white to gray, fossiliferous, chalky, plus white to gray boney to opaque chert.
- 4043-4061' Limestone; white to gray, finely crystalline, few granular, oocastic, good oocastic porosity (barren).
- 4077-4084' Limestone; white, finely crystalline, granular, sub oocastic, fair porosity, plus white fossiliferous, opaque chert.

4111-4130' Limestone; white, oocastic, poorly developed oocastic porosity, plus white to cream, fine to medium crystalline limestone; scattered porosity, no shows.

MARMATON SECTION

4173-4186' Limestone; tan to brown, finely crystalline, slightly cherty, dense.

4188-4210' Limestone; as above, plus tan to brown nodular chalky, slightly shaley, limestone.

4210-4253' Limestone; white to gray, granular, chalky, trace rose, cherty, dense, limestone.

PAWNEE SECTION

4174255-4326' Limestone; cream to white, tan, oolitic, fine to medium crystalline, poor visible porosity, no shows.

FORT SCOTT SECTION

4333-4342' Limestone; tan to gray, finely crystalline, fossiliferous, intercrystalline to pinpoint to vuggy type porosity, sparry calcite replacement in some porosity, light brown to golden brown stain, good fluorescence and cut.

4340-4354' Limestone; tan, medium crystalline, few fossiliferous, good brown to golden brown stain and saturation, show of free oil and faint odor, good bright yellow fluorescence, good white to yellow streaming cut.

Drill Stem Test #2 4314-4356'

Times: 15-45-60-60

Blow: Weak

Recover: 60' gas in pipe
40' oil specked gassy mud

Pressures: ISIP 1109 psi
FSIP 1008 psi
IFP 57-63 psi
FFP 66-78 psi
HSH 2231-2180 psi

CHEROKEE SECTION

4361-4377' Limestone; gray to white, finely crystalline, chalky, poor visible porosity, no shows.

4386-4440' Limestone; as above, plus varied colored shale.

CONGLOMERATE SECTION

4401-4456' Varied colored opaque; boney chert, trace very fine grained sand, poorly developed, no shows plus chert, yellow to orange amber, fossiliferous to boney chert, trace black edge staining plus varied colored silty shale.

MISSISSIPPIAN SECTION

4427-4432' Chert; white to tan, dolomitic, poorly developed, no shows.

MISSISSIPPIAN "LIME" SECTION

4434-4443' Limestone; white to gray, dolomitic, trace white chert, no shows.

MISSISSIPPIAN "DOLOMITE" SECTION

4443-4453' Dolomite; tan to gray, fine to medium crystalline, few coarse crystalline, good vuggy type porosity, good dark brown stain and saturation, fair show of free oil and fair to good odor in fresh samples.

Drill Stem Test #3 4442-4453'

Times: 15-45-30-60

Blow: Weak; died in 13 minutes

**Recover: 1' clean oil
5' oil cut mud**

**Pressures: ISIP 1107 psi
FSIP 958 psi
IFP 40-39 psi
FFP 39-40 psi
HSH 2260-2237 psi**

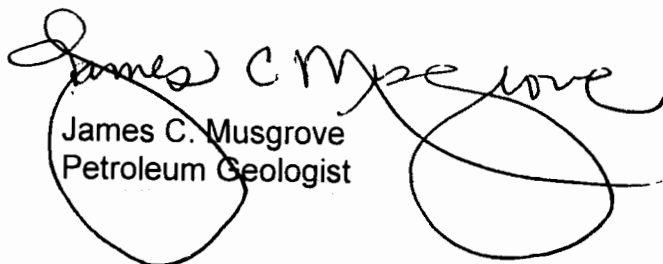
4453-4463' Dolomite; as above, decreasing stain, show of free oil and faint odor, plus gray to white, green tinted, glauconitic, dolomite, no shows.

**Rotary Total Depth 4463 (-2058)
Log Total Depth 4465 (-2060)**

Recommendations:

On the basis of the negative Drill Stem Tests and low structural position, it was recommended by all parties involved to plug and abandon the Horchem #1-36 at the Rotary Total Depth of 4463 (-2085).

Respectfully submitted,


James C. Musgrove
Petroleum Geologist