

JAMES C. MUSGROVE
Petroleum Geologist
2021 Forest
P.O. Box 1162
Great Bend, Kansas 67530

Office (316) 792-7716

Res. Claflin (316) 587-3444

Globe Operating, Inc.
Beran #1-31
NW-NW-SE; Section 31-17s-11w
Barton County, Kansas
Page 1

15-009-24599

Dry and Abandoned

Contractor: Allen Drilling Company, Inc. (Rig #3)
Commenced: September 12, 1995
Completed: September 19, 1995
Elevation: 1832' K.B., 1830' D.F., 1827' G.L.
Measurements: All depths measured from the Kelly Bushing.
Casing Program: Surface; 8 5/8" @ 309'
Production; None
Sample: Samples saved and examined 2500' to the Rotary Total Depth.
Drilling Time: One (1) ft. drilling time recorded and kept 2500' to the Rotary Total Depth.
Electric Log: By Wire-Tech; Dual Induction, Compensated Density, Neutron Log. RECEIVED
STATE CORPORATION COMMISSION
Formation Testing: There were two (2) test ran by Superior Testers, Inc. OCT 9 1995

CONSERVATION DIVISION
Wichita, Kansas

<u>Formation</u>	<u>Sample Depth</u>	<u>Sub-sea Datum</u>
Anhydrite	667	+1159
Howard	2606	-774
Severy	2625	-793
Topeka	2641	-809
Heebner	2937	-1105
Toronto	2956	-1124
Douglas	2971	-1139
Brown Lime	3045	-1213
Lansing	3060	-1228
Base Kansas City	3305	-1473
Conglomerate	3317	-1485
Rotary Total Depth	3420	-1588
Log Total Depth	3420	-1588

(All tops and zones corrected to electric log measurements)

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

TOPEKA SECTION

2883-2892' Limestone; gray to tan, fossiliferous, granular, few oocastic, scattered porosity, trace brown to dull gray to black stain, show of free oil and faint odor in fresh samples.

TORONTO SECTION

2956-2966' Limestone; cream to white, fossiliferous, dolomitic, good vuggy type porosity, fair to good stain and saturation, good show of free oil (gassy) and faint odor in fresh samples.

DRILL STEM TEST #1 2931-2975'

Times: 45-45-60-60

Blow: Weak to fair

Recovery: 240' muddy water, trace of oil on top

Pressures:	ISIP	656	psi
	FSIP	656	psi
	IFP	44-55	psi
	FFP	78-111	psi
	HSH	1428-1417	psi

LANSING SECTION

3066-3070' Limestone; white, fossiliferous in part, chalky, spotty brown stain, weak show of free oil and no odor in fresh samples.

3093-3100' Limestone; white, slightly fossiliferous, chalky, poor porosity, trace spotty golden brown stain, no show of free oil or odor in fresh samples.

3109-3118' Limestone; tan, highly fossiliferous, fair to poor porosity, trace dark brown to brown stain, trace of free oil and faint odor in fresh samples.

3129-3135' Limestone; white, oolitic, slightly chalky, trace dark brown stain, show of free oil and faint odor in fresh samples.

3152-3156' Limestone; gray to cream, oolitic, oocastic, fair oocastic porosity, no shows.

3161-3170' Limestone; tan, oocastic, fair oocastic porosity, no shows.

3196-3202' Limestone; gray to white, oolitic, few sub-oocastic, chalky in part, poor visible porosity, no shows.

3211-3219' Limestone; white to gray, finely crystalline, chalky in part, poor porosity, no shows.

3225-3237' Limestone; tan, oocastic, good oocastic porosity, barren, no shows.

3258-3264' Limestone; white, oolitic, chalky, black to brown stain, show of free oil and no odor in fresh samples.

3293-3300' Limestone; fossiliferous, poor scattered porosity, golden brown stain, trace of free oil and questionable odor in fresh samples.

DRILL STEM TEST #2 3248-3310'

Times: 15-30-30-30

Blow: Surface blow died in 10 minutes

Recovery: 15' mud, trace of oil

Pressures:	ISIP	965	psi
	FSIP	854	psi
	IFP	78-55	psi
	FFP	78-55	psi
	HSH	1660-1638	psi

Globe Operating, Inc.
Beran #1-31
NW-NW-SE; Section 31-17s-11w
Barton County, Kansas
Page 3

CONGLOMERATE SECTION

3319-3330' Chert; yellow to gray, boney, trace sand, medium grained, with chert inclusions, trace black stain, no show of free oil or odor in fresh samples.

3330-3340' Chert and sand as above.

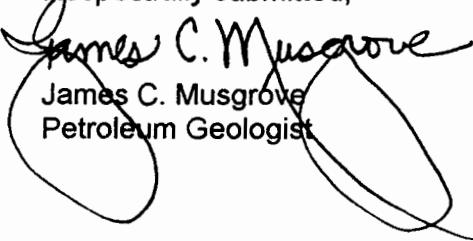
3340-3420' Varied colored; oolitic opaque chert all in matrix of varied colored shale, trace sand, very fine to medium grained, black (dead) stain, no show of free oil or odor in fresh samples.

ROTARY TOTAL DEPTH 3420 (-1588)
LOG TOTAL DEPTH 3420 (-1588)

RECOMMENDATIONS

On the basis of the negative drill stem tests and the low structural position and there being no other zones worthy of any further testing, it was recommended by all parties involved to plug and abandon the Beran #1-31 at the Rotary Total Depth 3420 (-1588).

Respectfully submitted,


James C. Musgrove

Petroleum Geologist