33-30s-40w

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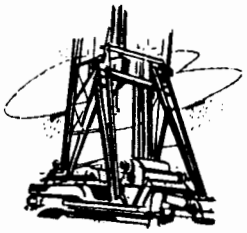

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GEOLOGICAL REPORT
BEREXCO INC. Sante Fe #1-33
C NE/4 SW/4 SW/4 Sec. 33-30s-40w
Stanton County, Kansas
API#15-187-20723
Spud date: 2-8-94
Drilling completed: 2-19-94

Elevations: 3319 KB
3317 DF
3311 GL

Comparison well: Barnes Hugoton Corp. S.N.U. #33-6
SE/4 SE/4 NW/4 Sec. 33-30s-40w
(Dry hole 2380' northeast)

Formation	Sample Top	E-Log Top	Datum	Compared to S.N.U. #33-6
Base/Heebner	3663	3668	(- 349)	28' high
Toronto	3681	3684	(- 365)	20' high
Lansing	3764	3774	(- 455)	13' high
Lansing "F"	3940	3948	(- 629)	10' high
Kansas City "A"	4122	4125	(- 806)	23' high
Kansas City "B"	4170	4172	(- 853)	18' high
Kansas City "C"	4216	4218	(- 899)	32' high
BKC	4260	4256	(- 937)	34' high
Pleasanton	4276	4279	(-960)	29' high
Marmaton	4350	4358	(-1039)	28' high
Cherokee	4538	4549	(-1230)	22' high
Atoka	4836	4838	(-1519)	10' high
Morrow	5012	5016	(-1697)	14' high
Chester	5393	5395	(-2076)	12' high
St. Genevieve	5420	5418	(-2099)	22' high
St. Louis	5479	5500	(-2181)	4' high
Total Depth	5635	5627	(-2308)	--

Zones of Interest and DST's
(All measurements corrected to E-log measurements)

Toronto 3686 - 3700

Dolomite, white, finely crystalline, chalky, cherty, tripolitic, good intercrystal and weathered vuggy porosity. No show.

Lansing "F" 3950 - 4000

Dolomite, buff, finely crystalline, clastic, fossiliferous, oolitic and oomoldic, good intercrystal, fossilmold and oomoldic porosity. No show.

Kansas City "A" 4126 - 4156

Dolomite, buff to brown, finely crystalline, oolitic, very oomoldic with variesized unlined molds, good intercrystal and jagged oomoldic porosity. No show.

Kansas City "C" 4220 - 4242

Limestone, brown, very fine to finely crystalline, oolitic with variesized coated oolites, oomoldic with variesized, mostly small to medium lined and unlined molds, good jagged oomoldic porosity. No show.

Marmaton 4392 - 4398

Limestone, light brown, very finely crystalline, polished lustre, oolitic with big pitted oolites, slightly oomoldic, good interoolitic and oomoldic porosity. No show.

Cherokee 4818 - 4828

Limestone, buff to brown, finely crystalline, fossiliferous with abundant brecciated fusilinids, fair to good intercrystal and interfossil porosity. No show.

Morrow 5112 - 5129

Sand, tan, very fine grained, silty, well rounded, well sorted and homogeneous, non-calcareous, compact, soft, easily crushed, very poor to poor intergrain porosity; no odor, stain or fluorescence. 198 unit gas increase.

Drill Stem Test #1 5009 - 5130 (Morrow)
Tool open 75 minutes.

Recovered: 60 feet of drilling mud

IFP	71-71	15"
ISIP	142	30"
FFP	91-91	60"
FSIP	436	120"
HH	2346/2214	
BHT	120 degrees	

Morrow 5269 - 5280

Sand, tan to buff to greenish gray, very fine to fine grained, well sorted, compact, soft, poor intergrain porosity; no odor, no stain or fluorescence. 95 unit gas increase.

Morrow 5280 - 5300

Sand, clear to gray, coarse grained, conglomeratic, very calcareous, mostly angular with some medium to coarse well rounded grains, very ill sorted with big chunks of clear quartz and abundant chunks of feldspar, glauconitic, mostly tight with scattered good to excellent intergrain porosity; some discolor on a few pieces only, one piece with oil droplets, no odor, no fluorescence, very slow, very faint glow cut on a few pieces only. 33 unit gas increase.

Drill Stem Test #2 5272 - 5305 (Morrow)
Tool open 75 minutes.

Recovered: 2520 feet of very slightly gas cut salt water

IFP	277-533	15"
ISIP	1474	30"
FFP	651-1144	60"
FSIP	1474	120"
HH	2456/2367	
BHT	139 degrees	

Remarks and Recommendations

All shows of oil or gas in this hole were tested with negative results. It was recommended that this test be plugged and abandoned as a dry hole.

Charles B. Spradlin
February 23, 1994