



ORIGINAL

23-22s-33w

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GEOLOGIST

8403 TAMARAC

WICHITA, KANSAS 67206

KCC

NOV 20

316-683-9026

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Computer inventoried

API #15-055-21236

GEOLOGICAL REPORT  
BEREXCO INC. Callihan #1-23  
C SW/4 SW/4 SW/4 Sec. 23-22s-33w  
Finney County, Kansas

Spud date: 8-10-93  
Drilling completed: 8-19-93

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Elevations: 2889 KB  
2887 DF  
2877 GL

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Comparison well: BEREXCO INC. Stanley #1-26A  
C SE/4 SW/4 Sec. 26-22s-33w  
(Dry hole appx. 1 mile south/southeast)

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<u>Formation</u>	Sample <u>Top</u>	E-Log <u>Top</u>	<u>Datum</u>	Compared to <u>Stanley #1-26A</u>
Base/Heebner	3833	3830	( -941)	3' high
Toronto	3846	3842	( -953)	2' high
Lansing	3874	3874	( -985)	flat
Lansing "B"	3921	3912	(-1023)	12' high
Lansing "C"	3941	3938	(-1049)	6' high
Lansing "D"	3984	3981	(-1092)	8' high
Lansing "E"	4013	4010	(-1121)	10' high
Lansing "F"	4040	4035	(-1146)	11' high
Lansing "G"	4088	4089	(-1200)	1' high
Lansing "H"	4122	4115	(-1226)	4' high
Lansing "I"	4160	4152	(-1263)	6' high
Kansas City "A"	4216	4206	(-1317)	12' high
Kansas City "B"	4260	4251	(-1362)	8' high
Kansas City "C"	4321	4315	(-1426)	7' high
BKC	4345	4346	(-1457)	8' high
Marmaton	4371	4372	(-1483)	2' high
Pawnee	4452	4446	(-1557)	12' high
Fort Scott	4476	4475	(-1586)	9' high
Cherokee	4490	4487	(-1598)	9' high
Morrow	4668	4666	(-1779)	10' high
St. Genevieve	4692	4686	(-1797)	50' high
St. Louis "C"	4762	4756	(-1867)	10' high
TD	4850	4838	(-1959)	--

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

Toronto 3850 - 3858

Limestone, white, finely crystalline, very fossiliferous with abundant brecciated fusulinids, good interfossil and intrafossil porosity. No show.

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Lansing "B" 3914 - 3922

Limestone, white, very finely crystalline, very chalky, fossiliferous, oolitic, scattered good interoolitic and interfossil porosity. No show.

Lansing "D" 3982 - 3988

Dolomite, brown, finely crystalline, very fossiliferous, weathered, excellent intercrystal, interfossil and vuggy porosity. No show.

Lansing "E" 4012 - 4023

Dolomite, white to buff, finely crystalline, clastic with clear and white jagged chert fragment inclusions, good intercrystal and interfragment porosity. No show.

Lansing "F" 4038 - 4058

Dolomite, white, finely crystalline, chalky, very fossiliferous, oomoldic, excellent interfossil and oomoldic porosity. No show.

Lansing "G" 4090 - 4100

Limestone, white, very finely crystalline, siliceous, tripolitic, excellent pinpoint vuggy porosity; trace of dead staining. No other show.

Lansing "H" 4140 - 4148

Limestone, white, finely crystalline, oomoldic, good oomoldic porosity. No show.

Lansing "I" 4158 - 4186

Dolomite, white to buff, fine to medium crystalline, oomoldic with variesized lined molds, excellent intercrystal and oomoldic porosity. No show.

Kansas City "A" 4207 - 4212

Dolomite, gray to brown, finely crystalline, oomoldic with medium unlined molds, good intercrystal and oomoldic porosity. No show.

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Kansas City "B" 4278 - 4286

Dolomite, buff to brown, finely crystalline, oomoldic with large unlined molds, good intercrystal and oomoldic porosity. No show.

Kansas City "C" 4322 - 4328

Dolomitic limestone, gray, very fine to finely crystalline, very fossiliferous with abundant brecciated fossils, good interfossil porosity. No show.

Pawnee 4450 - 4456

Limestone, white to gray, very fine to finely crystalline, clastic, fossiliferous with abundant whole and brecciated fusilinids, pisolithic with mostly very small, thickly coated pisolites, very poor interpisolitic porosity, poor to fair to scattered good interfossil and intrafossil porosity, scattered good vuggy porosity; good show of free oil, light yellow fluorescence, quick glow cut. 15 unit gas increase.

Drill Stem Test #1 4442 - 4457 (Pawnee)  
Tool open 45 minutes.

Recovered: 30 feet of mud

IFP	20-20	15"
ISIP	539	30"
FFP	52-52	30"
FSIP	619	60"
HH	2203/2183	
BHT	115 degrees	

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St. Louis "C" 4758 - 4762

Limestone, snow white, very finely crystalline, polished lustre, oolitic with small to medium sized oolites, fair interoolitic porosity; spotted to even stain, good show of free oil, no odor except when crushed, light canary yellow fluorescence, flush cut. 27 unit gas increase.

Drill Stem Test #2 4746 - 4771 (St. Louis "C")  
Tool open 45 minutes.

Recovered: 10 feet of mud with a slight show of oil

IFP	20-20	15"
ISIP	85	30"
FFP	41-41	30"
FSIP	62	60"
HH	2313/2293	
BHT	118 degrees	

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**Remarks and Recommendations**

It was recommended that this test be plugged and abandoned as a dry hole.

KCC

Charles B. Spradlin  
August 24, 1993

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