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RELEASED

JAN 29 1999

GEOLOGICAL REPORT
BEREXCO INC. Jo Lynn #1-22
NE/4 NE/4 SW/4 Sec. 22-30S-33W
Haskell County, Kansas

FROM CONFIDENTIAL

15-081-21017

Spud date: 7-18-96
Drilling completed: 7-30-96

CONFIDENTIAL

Elevations: 2949 KB
2947 DF
2937 GL

NOV 12

Comparison well: BEREXCO INC. Collingwood Trust #1-20
C SW/4 NE/4 Sec. 22-30S-33W
(Producing well 1400' northeast)

<u>Formation</u>	<u>Sample Top</u>	<u>E-Log Top</u>	<u>Datum</u>	<u>Compared to Collingwood Trust</u>
Base/Heebner	4076	4076	(-1127)	1' high
Toronto	4092	4086	(-1137)	1' high
Lansing	4132	4132	(-1183)	1' high
Lansing "F"	4340	4338	(-1389)	3' high
Kansas City "A"	4629	4628	(-1679)	11' high
Kansas City "B"	4664	4664	(-1715)	14' high
Marmaton	4762	4763	(-1814)	12' high
Pawnee	4885	4884	(-1934)	14' high
Fort Scott	4924	4924	(-1975)	13' high
Cherokee	4940	4938	(-1989)	11' high
Atoka	5094	5094	(-2145)	11' high
Morrow	5216	5220	(-2271)	10' high
Chester	5355	5352	(-2403)	17' high
St. Genevieve	5438	5442	(-2493)	39' high
St. Louis	5487	5500	(-2551)	9' high
Total Depth	5619	5620	(-2671)	---

Zones of Interest and DST's

(All measurements corrected to E-log measurements)

Toronto 4100 - 4112

Limestone, white, finely crystalline, dolomitic, very tripolitic, highly weathered, good intercrystal and weathered vuggy porosity. No show.

Lansing "B" 4156 - 4194

Limestone, white, finely crystalline, very fossiliferous, slightly tripolitic, good interfossil and weathered pinpoint vuggy porosity. No show.

Lansing "C-D" 4206 - 4226

Dolomite, brown, finely crystalline, oomoldic, good intercrystal and oomoldic porosity. No show.

Lansing "E" 4312 - 4324

Limestone, white, finely crystalline, fossiliferous, good intercrystal and interfossil porosity, no show.

Lansing "F" 4339 - 4392

Limestone, light brown to brown, finely crystalline, clastic, very fossiliferous, oomoldic with lined and unlined, mostly large molds, good interfragment, interfossil and oomoldic porosity. No show.

Kansas City "A" 4628 - 4638

Dolomite, buff, finely crystalline, fossiliferous, oomoldic with big unlined molds, excellent intercrystal, interfossil and oomoldic porosity. No show.

Kansas City "B" 4670 - 4692

Dolomite, tan to light brown, very fine to finely crystalline, chalky, fossiliferous, oolitic, oomoldic with small to medium sized lined molds, excellent oomoldic porosity. No show.

Marmaton "B" 4791 - 4804

Dolomite, tan, finely crystalline, fossiliferous, oolitic and oomoldic with poor to fair oomoldic porosity; spotted to even very light stain, greasy lustre, good show of high gravity free oil, strong odor, bright yellow fluorescence, quick glow cut. 321 unit gas increase.

Drill Stem Test #1 4783 - 4800 (Marmaton "B")
Tool open 135 minutes.

Recovered: 2040 feet of free gas
185 feet of gas and oil cut mud (10% oil)

IFP	29-41	15"
ISIP	1169	30"
FFP	45-104	120"
FSIP	1406	120"
BHT	121 degrees	

Pawnee 4885 - 4897

Limestone, tan, semi-transparent, very finely crystalline, fossiliferous and clastic consisting of mostly chambered coral, hexagonal, octagonal and elongate, very good intrafossil porosity, poor to scattered fair intrafossil porosity; no staining, no show of free oil, very faint odor to strong odor when crushed, very faint dull gold fluorescence, slow glow cut. 95 unit gas increase.

Drill Stem Test #2 4876 - 4900 (Pawnee)
Tool open 75 minutes.

Recovered: 3630 feet of free gas
216 feet of gas and oil cut watery mud
609 feet of salt water

IFP	149-243	15"
ISIP	1172	30"
FFP	243-309	60"
FSIP	1295	120"
BHT	121 degrees	

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Morrow 5216 - 5220

This zone, which the PE curve indicates is a sandstone, was noticed on the electrical logs and apparently was not represented in the samples. It was tested after the logging of the well. It displayed a 200 unit gas increase.

Drill Stem Test #4 5210 - 5272 (Straddle)
Tool open 135 minutes.
Gas to surface 16 minutes into the second opening.
Gauged 9.02 mcfd, declined to 7.08 mcfd.

Recovered: 45 feet of drilling mud
90 feet of frothy oil cut mud (30% oil)
182 feet of frothy oil cut mud (65% oil)
36 feet of oil and gas cut mud (15% oil)

IFP	150-213	15"
ISIP	684	30"
FFP	150-245	120"
FSIP	1357	120"
BHT	126 degrees	

Chester 5386 - 5402

Sand, clear, very fine to fine grained, sub-rounded to round, homogeneous, very calcareous, poor intergrain porosity, heavy dark brown stain, fair to good show of free oil, faint odor to strong odor when crushed, no fluorescence, excellent acid cut, pale greenish yellow glow cut with naphtha. 64 unit gas increase.

Drill Stem Test #3 5367 - 5400 (Chester)

Tool open 75 minutes.

Gas to surface in 4 minutes.

Gauged 847 mcf/d; stabilized at 700 mcf/d in 50 minutes.

Recovered: 1 foot of oil

IFP	177-183	15"
ISIP	1452	30"
FFP	156-137	60"
FSIP	1178	120"
BHT	123 degrees	

Remarks and Recommendations

It was recommended that 5-1/2" production casing be set near bottom and that the well be further tested.

Charles B. Spradlin
August 6, 1996

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