15-093-21254

25-22s-38w

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GEOLOGIC REPORT
BEREXCO INC. #1-25 Cora
C W/2 NW/4 SE/4 Sec. 25-22s-38w
Kearny County, Kansas

Spud date: March 9, 1993
T.D. date: March 17, 1993

FORMATION TOPS

Elevation: 3334' KB
3332' DF
3322' GL

Structural Comparison Well: BEREXCO INC. #1-25 Cora
C W/2 NW/4 SE/4 Sec. 25-22s-38w
(Producing well 2286' northwest)

Formation	#1-25 Cora Sample Tops	Log Tops(Datum)	Comp. to #1-25 Luella
Base/Heebner	3802	3796 (- 462)	3' high
Toronto	3819	3812 (- 478)	3' high
Lansing	3861	3852 (- 518)	3' high
Lansing "B"	3916	3908 (- 574)	2' high
Lansing "D"	3950	3965 (- 631)	9' high
Lansing "F"	4029	4022 (- 688)	2' low
Lansing "G"	4061	4061 (- 727)	9' low
Lansing "I"	4108	4119 (- 785)	1' high
Kansas City "A"	4194	4182 (- 848)	2' high
Kansas City "B"	4238	4229 (- 895)	3' high
Kansas City "C"	4284	4276 (-942)	4' low
Base/Kansas City	4311	4301 (- 967)	3' low
Marmaton	4342	4331 (- 997)	5' high
Pawnee	4437	4429 (-1095)	2' low
Fort Scott	4472	4464 (-1130)	5' low
Cherokee	4482	4474 (-1140)	5' low
Morrow	4724	4716 (-1382)	8' high
St. Gen.	4914	4904 (-1570)	12' high
St. Louis	4940	4928 (-1594)	11' high
St. Louis "D"	5014	5008 (-1674)	16' high
TD	5100	5092 (-1758)	--

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C W/2 NW/4 SE/4 Sec. 25-22s-38w
Kearny County, Kansas

ZONES OF INTEREST AND SHOWS OF OIL OR GAS

All the following depths are electrical log depths.

TORONTO 3816 - 3830

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

LANSING "A" 3866 - 3878

Dolomite, white, finely crystalline, fossiliferous, oolitic, oomoldic, good intercrystal, interoolitic and oomoldic porosity. No show.

LANSING "B" 3922 - 3930

Limestone, buff, very finely crystalline, oomoldic with small lined molds, excellent oomoldic porosity. No show.

LANSING "D" 3969 - 3981

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

LANSING "E" 4010 - 4016

Limestone, buff, finely crystalline, oolitic with uniformly small coated oolites, good interoolitic porosity. No show.

LANSING "F" 4022 - 4036

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

LANSING "H" 4089 - 4096

Dolomite, white, finely crystalline, fossiliferous, oomoldic with variesized lined molds, good oomoldic porosity. No show.

LANSING "I" 4121 - 4165

Dolomite, white to buff, finely crystalline, clastic, fossiliferous, oomoldic with variesized, mostly large, lined molds, good intercrystal and oomoldic porosity. No show.

KANSAS CITY "B" 4232 - 4240

Limestone, brown, very finely crystalline, fossiliferous with abundant brachiopod valve fragments, fair to good interfossil-fragment porosity. No show.

KANSAS CITY "C" 4278 - 4286

Dolomite, buff, very fine to finely crystalline, oomoldic with variesized molds, good jagged oomoldic porosity. No show.

MARMATON 4350 - 4358

Dolomite, buff to brown, finely crystalline, good intercrystal porosity; trace of discolor on a few pieces only. No show.

MARMATON 4408 - 4413

Dolomite, white to gray to buff, finely crystalline, oomoldic with variesized thin shelled molds, excellent oomoldic porosity. No show.

PAWNEE 4436 - 4442

Limestone, white, very fine to finely crystalline, fossiliferous with abundant brecciated fossils, especially fusilinids, good interfossil and intrafossil porosity. No show.

MORROW 4746 - 4758

This sand was not represented in the samples. It produced a 78 unit gas increase.

DRILL STEM TEST #1 4740 - 4768

Tool open 75 minutes.
Strong blow first opening, decreased to a very weak blow on the second opening.

Recovered: 1160 feet of free gas
270 feet of muddy gassy oil
180 feet of gassy oil cut watery mud

IFP	93 - 145 PSI	15 min.
ISIP	187 PSI	30 min.
FFP	176 - 187 PSI	60 min.
FSIP	187 PSI	120 min.
HH	2323 - 2273 PSI	
BHT	117°	

ST. LOUIS 5008 - 5020

Dolomite, white to cream to buff, very fine to finely crystalline, fossiliferous with abundant brecciated macrofossils, very clastic, very chalky, very soft and incompetent, excellent intercrystal, interfragment and interfossil porosity. No show except a 14 unit gas increase.

REMARKS AND RECOMMENDATIONS

It was recommended that 5½" production casing be set near the bottom of the hole and that the well be further tested.

Charles B. Spradlin, Sr.
March 24, 1993