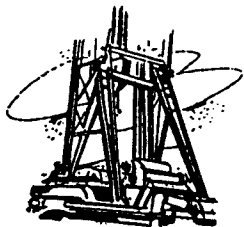


15-093-2122

ORIGINAL

3-24s-37w



Computer inventoried

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GEOLOGIST

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SEP 3

CONFIDENTIAL

GEOLOGIC REPORT

BEREXCO INC. Branine #1-3

C S2 SE NW Sec. 3-24s-37w

Kearny County, Kansas

Spud date: July 22, 1992

T.D. date: August 1, 1992

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FORMATION TOPS

Elevation: 3279' KB
 3277' DF
 3267' GL

Structural Comparison Well: Amoco Production Company #1 Branine Farm Lands, Inc.
 C SE SW NW Sec. 3-24s-37w
 (Producing well 990' west)

Formation	Branine #1-3 Sample Tops	Log Tops (Datum)	Comp. to #1 Branine Farm
Base/Heebner	3777	3780 (- 501)	7' low
Toronto	3792	3788 (- 509)	5' low
Lansing	3832	3830 (- 551)	6' low
Lansing "B"	3882	3882 (- 603)	6' low
Lansing "D"	3961	3958 (- 679)	10' low
Lansing "E"	3985	3986 (- 707)	12' low
Lansing "F"	4000	4002 (- 723)	8' low
Kansas City "A"	4148	4154 (- 875)	8' low
Kansas City "B"	4224	4226 (- 947)	6' low
BKC	4312	4314 (-1035)	1' low
Marmaton	4340	4341 (-1061)	1' high
Pawnee	4429	4430 (-1151)	3' low
Fort Scott	4466	4468 (-1189)	5' low
Cherokee	4478	4479 (-1200)	3' low
Atoka	4600	4610 (-1331)	7' low
Morrow	4738	4748 (-1469)	3' low
St. Louis	4896	4898 (-1619)	31' low
St. Louis "C"	4947	4952 (-1673)	21' low
Total Depth	5100	5102 (-1823)	--

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WICHITA, KANSAS
 67206

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BEREXCO INC. Branine #1-3
C S2 SE NW Sec. 3-24s-37w
Kearny County, Kansas

SEP 3

ZONES OF INTEREST AND SHOWS OF OIL OR GAS

All the following depths are electrical log depths.

TORONTO 3796 - 3806

Limestone, white, very finely crystalline, coarsely clastic, tripolitic, chalky, good pinpoint vuggy porosity. No show.

LANSING "A" 3836 - 3843

Dolomite, buff, finely crystalline, very fossiliferous, abundant ostracods, good oomoldic and fossil mold porosity. No show.

LANSING "B" 3882 - 3890

Dolomite, white to buff, finely crystalline, very fossiliferous, oolitic, oomoldic, excellent intercrystal, interoolitic and oomoldic porosity. No show.

LANSING "D" 3964 - 3968

Limestone, buff to brown, finely crystalline, dolomitic, oomoldic, good oomoldic porosity. No show.

LANSING "E" 3986 - 3990

Limestone, gray to buff, very finely crystalline, fossiliferous, oolitic, slightly oomoldic, good to very good interfossil and interoolitic porosity, fair to good oomoldic porosity; light even stain, slight show of free oil, no odor in tray, excellent odor when crushed, dull golden yellow fluorescence, slow glow cut. 4 unit gas increase.

DRILL STEM TEST #1 3978 - 3993

Tool open 45 minutes.
Weak blow throughout.

Recovered: 120 feet of sulphur water

IFP	20 - 20 PSI	15 min.
ISIP	829 PSI	30 min.
FFP	41 - 62 PSI	30 min.
FSIP	829 PSI	60 min.
HH	1622 - 1562 PSI	
BHT	109°	

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LANSING "F" 4002 - 4017

Limestone, buff, very fine to finely crystalline, dolomitic, semi-translucent, fossiliferous, clastic, oolitic, oomoldic, good oomoldic porosity. No show.

LANSING "G" 4040 - 4046

Dolomite, buff, finely crystalline, coarsely clastic, good intercrystal and interfragment porosity. No show.

LANSING "H" 4064 - 4068

Tripoli, white to brown, chalky, highly weathered, clastic, good pinpoint vuggy and interfragment porosity. No show.

LANSING "I" 4102 - 4116

Dolomite, white to very light buff, finely crystalline, fossiliferous, oolitic, oomoldic, excellent interfossil, interoolitic and oomoldic porosity; no stain, odor, show of free oil or fluorescence. 92 unit gas increase.

DRILL STEM TEST #2 4097 - 4114

Tool open 45 minutes.
Strong blow throughout.

Recovered: 1100 feet of sulphur water

IFP	41 - 218 PSI	15 min.
ISIP	909 PSI	30 min.
FFP	259 - 395 PSI	30 min.
FSIP	909 PSI	60 min.
HH	1682 - 1612 PSI	
BHT	111°	

SEP 3
OCT 14 1992

KANSAS CITY "A" 4157 - 4196

Dolomite, white to buff to brown, finely crystalline, oolitic, oomoldic with very large unlined molds, excellent oomoldic porosity. No show.

KANSAS CITY "B" 4229 - 4236

Dolomite, buff to brown, very fine to finely crystalline, fossiliferous, oomoldic with big lined molds, excellent intercrystal, interfossil and oomoldic porosity. No show.

KANSAS CITY "C" 4262 - 4290

Limestone, buff to brown, very fine to finely crystalline, fossiliferous, oolitic and oomoldic with very small molds, good oomoldic porosity. No show.

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STATION 1006

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MARMATON 4394 - 4412

Limestone, white to buff, very fine to finely crystalline, slightly dolomitic, clastic, fossiliferous with abundant brecciated microfossils, oolitic with big banded oolites, good to excellent interfragment, interfossil and interoolitic porosity; even light amber stain, excellent show of free oil, faint sour odor, bright lemon yellow fluorescence, flush cut. 41 unit gas increase.

DRILL STEM TEST #3 4384 - 4409

Tool open 75 minutes.
Strong blow throughout.

Recovered: 1 foot of free oil
890 feet of salt water

IFP	124 - 270 PSI	15 min.
ISIP	405 PSI	30 min.
FFP	363 - 405 PSI	60 min.
FSIP	405 PSI	120 min.
HH	2083 - 2063 PSI	
BHT	111°	

SEP 3
CORREL 4.4

PAWNEE 4438 - 4444

Limestone, white to buff, chalky, very fossiliferous, excellent pinpoint vuggy porosity and excellent interfossil and intrafossil porosity. No show.

ST. LOUIS "C" 4954 - 4960

Limestone, white to buff, very finely crystalline, polished lustre, oolitic with varied sized mostly small oolites, some small "birdseye" oolites, small part chalky and incompetent, mostly firm and compact, poor to fair interoolitic porosity; even light brown stain with speckled oil droplets, burst of free oil when crushed, faint odor in tray, strong odor when crushed, light canary yellow fluorescence, good stream cut. 42 unit gas increase.

DRILL STEM TEST #4 4937 - 4958

Tool open 135 minutes.
Very weak blow 1st opening. Weak blow 2nd opening.

Recovered: 545 feet of free gas
100 feet of oil and gas cut mud (30% oil)

IFP	31 - 52 PSI	15 min.
ISIP	549 PSI	30 min.
FFP	62 - 93 PSI	120 min.
FSIP	539 PSI	120 min.
HH	2423 - 2273 PSI	
BHT	119°	

NOV 2 1992

MISSIO
1310M

ORIGINAL

REMARKS AND RECOMMENDATIONS

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

Charles B. Spradlin, Sr.
August 6, 1992

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OCT 12 1994

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