



Computer Inventoried

ORIGINAL

2-29s-33w

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K C C

RELEASED

AUG 6 1996

APR 22 1996

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API #15-081-20815

GEOLOGICAL REPORT

BEREXCO INC. Dennis #5-2

2323' FSL, 3470' FEL Sec. 2-29s-33w

Haskell County, Kansas

Spud date: 11-13-93

Drilling completed: 11-22-93

Elevations: 2971 KB

2969 DF

2959 GL

Comparison well: BEREXCO INC. Dennis #4-2
C N/2 SE/4 NW/4 Sec. 3-29s-33w
(Producing well appx. 1/4 mile north)

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<u>Formation</u>	<u>Sample Top</u>	<u>E-Log Top</u>	<u>Datum</u>	<u>Compared to Dennis #4-2</u>
Base/Heebner	4125	4119	(-1148)	3' high
Toronto	4138	4132	(-1161)	2' high
Lansing	4169	4164	(-1193)	1' high
Lansing "B"	4214	4214	(-1243)	2' low
Lansing "C"	4264	4260	(-1289)	1' high
Lansing "D"	4293	4290	(-1318)	4' high
Lansing "E"	4351	4344	(-1373)	1' low
Lansing "F"	4382	4376	(-1405)	1' low
Lansing "G"	4458	4452	(-1481)	3' low
Lansing "H"	4495	4495	(-1524)	9' low
Lansing "I"	4552	4546	(-1571)	2' high
Kansas City "A"	4639	4632	(-1661)	1' low
Kansas City "B"	4698	4693	(-1722)	2' low
Kansas City "C"	4742	4744	(-1773)	1' low
BKC	4789	4780	(-1809)	4' low
Marmaton	4804	4792	(-1821)	4' low
Pawnee	4908	4902	(-1931)	4' high
Fort Scott	4942	4934	(-1963)	6' high
Cherokee	4952	4945	(-1974)	6' high
Morrow	5290	5292	(-2321)	2' high
Chester	5453	5426	(-2455)	25' high
St. Genevieve	5506	5482	(-2511)	27' high
St. Louis	5574	5566	(-2595)	5' low
Total Depth	5763	5762	(-2791)	---

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

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Lansing "B" 4216 - 4227

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

Lansing "C" 4260 - 4268

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Dolomite, brown, finely crystalline, clastic, oomoldic with variesized lined molds, good intercrystal, interfragment and oomoldic porosity. No show.

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Lansing "D" 4294 - 4314

Dolomite, gray to buff, finely crystalline, oolitic, oomoldic with variesized unlined molds, good intercrystal, interoolitic and oomoldic porosity. No show.

Lansing "F" 4476 - 4406

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

Lansing "G" 4468 - 4472

Dolomite, buff, finely crystalline, clastic with clear spherical medium grained sand inclusions, oolitic, oomoldic with thinly lined medium sized molds, good oomoldic porosity. No show.

Lansing "H" 4496 - 4504

Dolomite, brown, finely crystalline, very fossiliferous with abundant brecciated fossils, oomoldic, good intercrystal, interfossil and oomoldic porosity. No show.

Lansing "I" 4546 - 4556

Dolomite, buff to brown, finely crystalline, fossiliferous, oomoldic, good intercrystal, interfossil and oomoldic porosity. No show.

Kansas City "A" 4640 - 4656

Dolomite, buff to brown, very fine to finely crystalline, clastic, oolitic, oomoldic, good intercrystal, interfragment, interoolitic and oomoldic porosity; slight discolor on a few pieces only, bright yellow fluorescence, slow glow cut. 56 unit gas increase.

Kansas City "C" 4744 - 4754

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

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Pawnee 4908 - 4912

Limestone, gray, very finely crystalline, chalky, clastic, fossiliferous with abundant brecciated fossils, oolitic, poor interoolitic porosity. No show.

Morrow 5410 - 5420

Sand, clear, very fine to fine grained, well sorted, sub-angular, soft and friable, mostly clean, slightly fluoritic, slightly calcareous, fair to good intergrain porosity; even dark brown stain, good show of free oil, very faint odor, faint greenish yellow fluorescence, flush cut. 174 unit gas increase.

Drill Stem Test #1 5408 - 5433 (Morrow)

Tool open 75 minutes.

Gas to surface in 10 minutes; gauged 31.9 mcf/gpd 10 minutes into second opening, declined to 6.72 mcf/gpd 30 minutes into second opening and stabilized.

Recovered: 3075 feet of clean gassy oil

IFP	192-217	15"
ISIP	1474	30"
FFP	326-631	60"
FSIP	1513	120"
HH	2603/2564	
BHT	139 degrees	

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St. Louis "D" 5714 - 5720

Dolomite, buff, fine to medium crystalline, clastic, abundant sand grain inclusions, fair to good intercrystal, interfragment and vuggy porosity. No show.

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
November 23, 1993