

Computer Inventories

2-295-33W

K C C

MUN 7 1995

Geological Report
BEREXCO INC.
#2-2 Dennis
S/2 NW/4 SW/4 Sec. 2
T29S-R33W
Haskell County, Kansas

CONFIDENTIAL

RELEASED

ORIGINAL

MAY 2 4 1995

Spud Date: 11-13-92
Comp Date: 11-25-92
Report Date: 11-27-92

FROM CONFIDENTIAL

API #15-081-20756

Tops:

BEREXCO INC.	BEREXCO INC.
#2-2 Dennis	#1-2 Dennis
S/2 NW SW Sec. 2-T29S-R33W	SW SW NW Sec. 2-29S-33W
KB 2969'	KB 2968'

	Sample	Log	Log
Base Heebner	4115	4112 - 1143	4413 - 1145
Toronto	4126	4124 - 1155	4125 - 1157
Lansing Fm.	4162	4156 - 1187	4156 - 1188
Lansing "B"	4204	4202 - 1233	4202 - 1234
Lansing "G"	4445	4440 - 1471	4440 - 1472
Kansas City "A"	4630	4625 - 1656	4622 - 1654
Kansas City "B"	4686	4680 - 1711	4677 - 1709
Kansas City "C"	4732	4724 - 1755	4721 - 1753
Marmaton Fm.	4789	4785 - 1816	4781 - 1813
Pawnee	4898	4890 - 1921	4887 - 1919
Ft. Scott	4928	4923 - 1954	4924 - 1956
Cherokee Fm.	4942	4937 - 1968	4938 - 1970
Atoka	5103	5093 - 2124	5104 - 2136
Morrow Fm.	5277	5020 - 2301	5270 - 2302
Chester	5447	5443 - 2474	5413 - 2445
St. Genevieve	5514	5514 - 2545	5488 - 2520
St. Louis	5560	5554 - 2585	5549 - 2581
TD	5700	5696 ---	5784 ---

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Sample and Gas Shows of Significance and DST's:

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Topeka:

MAY 24 1995

4000 - 4069; 4051 - 4057; 4084 - 4095

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Lmst. extr. abn. wht. to crm. chlk. & lt. tan to tan; crypto. to v. fn. xln.; tr. sub-chlk & tr. sub-sucro.; mostly highly sucro.; dull lt. to abn. lt. yellow fluor.; no cut; abn. pr. to fr. micro - p.p. pin point to interxln. porosity grading to hvy. trs. good to excellent.

No Gas Increase

Toronto:

4130 - 4148

Lmst. abn. wht. to crm. - chlk & crm., lt. tan to tan; crypto. to v. fn. xln.; v. abn. sub-chlk to sub-sucro & packstn.; dull lt. to lt. w/trs. brt. lt. yellow fluor.; no cut; no visible por.

No Gas Increase

Lansing:

4204 - 4215

Lmst. v. abn. wht. to crm. - chlk & lt. tan; v. fn. xln.; sub-sucro to v. sucro.; brt. lt. lemon yell. fluor.; no cut, abn. poor micro-pin point to trs. poor pin point por.

No Gas Increase

4221 - 4229

Lmst. lt. tan to tan; crypto. to v. fn. xln.; sub-chlk, sub-sucro & packstn.; trs. oolites in pt.; lt. yell. fluor.; no cut; v. sli. trs. v. pr. micro - p.p. por.

No Gas Increase

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4229 - 4258

Lmst. tr. to hvy. trs. wht. - chlk & lt. tan to tan w/trs. gry; crypto. to v. fn. xln. w/sli. tr. med. to coarse calc xls.; extr. oolitic w/v. abn. sli. to extr. oolitic; matrix sub-sucro to sucro & tr. packstn.; lt. to brt. lt. yell. fluor. - mottled; no cut; abn. pr. to fr. w/sli. trs. gd. oolitic por. & v. sli. tr. pr.; fr. to gd. micro - p.p. to interxln. por.

No Gas Increase

4286 - 4308

Lmst. tan; crypto. to v. fn. xln.; extr. oolitic to very oolitic; oolites rexlzed in pt. to v. fnly sucrosic; matrix sub-sucro. to sucro.; lt. to brt. lt. yellow fluor.; no cut; abn. poor to trs. fair oolitic por. w/hvy. tr. pr. to sli. tr. fr. to gd. micro - p.p. & interxln. por.; trs. chert. wht. to tan; transl. & opque

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No Gas Increase

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4366 - 4394

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Lmst. tr. wht. to crm. - chlk & tan to drk tan; crypto., to v. fn. xln.; extrly oolitic grding. to v. oolitic; tr. foss. frags.; matrix sub-sucro. to sucro. trs. packstn.; dull lt. to lt. yell. & yell. fluor. - mottled; no cut; tr. pr. to fr. mostly gd. to excellent oolitic porosity; very questionable permeability

No Gas Increase

4454 - 4462

Lmst. tan to drk. tan; crypto. to v. fn. xln. w/abn. med. xln.; extrly oolitic w/trs. to abn. oolites; matrix sub-sucro. to sucro.; lt. yell to yell. fluor.; no cut; fr. grding straightline. to excell. oolitic por.; trs. pr. to fr. micro - p.p. to interxln. por. in matrix

No Gas Increase

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4487 - 4497

Lmst. abn. wht. to crm. - chlk & gryish tan to tan; crypto. to v. fn. xln.; tr. sub-chlk & tr. sub-sucro., sucro to very sucro.; tr. oolastic & tr. oolitic; mostly rexld to sucro.; dull lt. to brt. lt. yell. fluor.; no cut; tr. pr. oolastic por.; abn. pr. w/hvy. tr. fr. to gd. micro - p.p. to interxln. por. tr. chert tan, transl. to opque.

No Gas Increase

4534 - 4541

Lmst. abn. crm. - chlk & gryish tan to tan; v. v. fn. xln.; sub-sucro. to sucro.; trs. phantom oolites & phantom oolcasts dull lt. to lt. yell. fluor.; no cut; abn. pr. to fr. micro - p.p. to interxln. por.; tr. chert gry. to tan; opque

No Gas Increase

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4561 - 4584

Lmst. v. abn. crm - chlk & tan to drk tan; crypto. to v. fn. xln.; sub-chlk, sub-sucro to sucro w/phantom oolites; dull yell. to dull golden yellow fluor.; no cut; hvy. trs. v. poor micro - pin point porosity

No Gas Increase

Kansas City:

4634 - 4642

Lmst. lt. tan; v. fn. xln. w/tr. crypto. xln. & hvy tr. gry to lt. tan med to coarse calc. xls.; extrly oolastic w/tr. oolites; matrix sucro. w/abn. sub-sucro; sli. tr. sptd tan oil stn. w/brt. yell. fluor.; ft. strming cut to v. faint ring cut; excell. oolastic por.; & sli. tr. pr. micro - p.p. to interxln. por quest. perm

No Gas Increase

FROM CONFIDENTIAL

ALL INFORMATION CONTAINED
HEREIN IS UNCLASSIFIED
DATE 05-18-83 BY SP-1001/BJW/MLG

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4644 - 4651

Lmst. v. abn. wht. - chlk & lt. tan, tan to gryish tan; crypto. to v. fn. xln.; sub-chlk, tr. sub-sucro & tr. packstn.; dull lt. yell. fluor. no cut, no visible porosity

No Gas Increase

4693 - 4697

Lmst. tan; crypto. to v. fn. xln.; extrly oolitic to sli. oolitic; matrix sub-sucro & packstn.; lt. yell. fluor.; no cut; poor oolitic por in pt.

No Gas Increase

4734 - 4750

Lmst. extr. abn. wht. to crm. - chlk w/chlk oolites in pt. & crm. lt. tan to tan; crypto. to v. fn. xln.; abn. sub-chlk, sub-sucro & tr. packstn.; tr. to v. abn. oolites, in pt.; dull lt. to tr. lt. yell. fluor. no cut; no visible porosity

No Gas Increase

Marmaton:

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4861 - 4868

Lmst. v. abn. wht. to crm. - chlk & lt. tan to tan; crypto. to v. fn. xln.; sub-chlk, sub-sucro, tr. sucro, oolitic in pt.; foss fragments in pt.; dull lt. to tr. lt. yell. fluor.; no cut; no visible porosity

No Gas Increase

Pawnee:

4897 - 4901

Lmst. hvy. trs. wht. to crm. - chlk & tan; crypto. to v. v. fn. xln.; sub-chlk, sub-sucro., packstn. & trs. sub lithogr. dull lt. to tr. lt.

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yell. fluor.; no cut; no vis. por w/tr. chert wht. to gry. & trs. drk tan;
opaque

No Gas Increase

Cherokee:

5071 - 5076

Lmst. lt. gry. - chlk; med. to drk gry. - shly & gryish. tan to tan;
crypto to v. fn. xln.; sub-chlk, sub-sucro & packstn.; dull lt. yell.
fluor.; no cut; no visible porosity

Gas Increase 5071 - 5076

16 Total - 8 BG = 8 Unit Increase

17-C₁; 6-C₂; 1 1/2-C₃; No IC₄; No-C₄

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Atoka:

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5118 - 5121

Lmst. tan to lt. brn. from oil stn.; good oil oder.; crypto. to v. fn.
xln. & hvy. tr. med to coarse xln.; v. sucro w abn. oolites in pt. -
rexized in pt to xln. lumps or v. fine sucro.; abn. phantom oolites to
oolicasts, brt. grnish yell. fluor.; flush to excell strming cut; pr. to
fr. w/abn. gd. to excell. micro - p.p., p.p. to oolicastic & interxln.
por.

Gas Increase 5118 - 5121

145 Total - 8 BG = 137 Unit Increase

91-C₁; 45-C₂; 35-C₃; 4-IC₄; 7-C₄

Morrow:

5365 - 5381

Sdst. tr. gryish. tan to lt. tan from oil stn.; fn. gr.; ang.; gd.
sorting; hvy. tr. glauc, throughout; brt. golden yell. fluor. flush to
excell. strming cut.; almost all has pr. to fr. w/hvy. tr. to abn. gd. to
excellent intergr. to p.p. por.; abn. friable.

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Gas Increase 5365 - 5377

86 Total - 26 BG = 60 Unit Increase

116-C₁; 54-D₂; 6-C₃; No IC₄; No C₄

5381 - 5389

Sdst. similar 5365 - 5381 w/sli. less porosity w/increase in bottom in amount of shyness and the quantity w/shale

Gas Increase 5381 - 5389

173 Total - 21 BG = 152 U. Increase

129-C₁; 43-C₂; 18-C₃; 1-IC₄; 3-C₄

5414 - 5420

Sdst 100% lm gr.; gry gryish tan to tan; v. fn. to coarse gr. (crypto to v. fn. xln.); tr. foss.; tr. w/tr glauc.; dull lt. to lt. yell. fluor.; no cut; no visible por.

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No Gas Increase??

MAY 2 4 1995

5426 - 5432

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Sdst. tan from oil stn.; fr. oder; v. fn., fn. ang. to tr. med. gr. ang. to v v sli. trs. sub-ang to sub-rnded.; both prly sorted; sli. tr. glauc; sli. tr. w/abn fnly desiminated pyr.; trs. silt & clay filling; dull golden to golden yell fluor.; quick burst flush cut; then slow good strming cut; abn. pr. to hvy. trs. fr. to gd. micro - p.p. top interxln. por. friable to abn. firm

No Gas Increase

DST #1

Morrow

5367 - 5377

I.O. & F.O. Strong

GTS 3 min I.O.

No fluid recovery

Max Temp 132° F

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IHP 2558#
IFP 768 - 908# in 15 min
ISIP 1566# in 30 min
FFP 958 - 1028# in 60 min
FSIP 1566# in 120 min
FHP 2547#

Flow Info

I.O.	Time	PSI	Orifice	MCFPD
	5	45#	1 1/2"	3,454
	10	62#	1 1/2"	4,468
	15	66#	1 1/2"	4,707
F.O.	10	72#	1 1/2"	5,065
	20	77#	1 1/2"	5,364
	30	78#	1 1/2"	5,424
	40	80#	1 1/2"	5,543
	50	81#	1 1/2"	5,603
	60	81#	1 1/2"	5,603

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DST #2

Morrow

5383 - 5393

I.O. Very weak built to 3 inches

F.O. Very weak decreasing to surface blow

Rec: 15 Drlg Mud w/oil specks in top of tool

Max Temp 132° F

IHP 2587#

IFP 30-30# in 15 min

ISIP 60# in 30 min

FFP 30 - 30# in 60 min

FSIP 91# in 120 min

FHP 2587#

DST #3

Morrow

5402 - 5414

I.O. Very weak died in 5 min

F.O. no blow

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Rec: 5 ft. mud
Max Temp 132° F
IHP 2578#
IFP 40-40# in 15 min
ISIP 50# in 30 min
FFP 40-40# in 30 min
FSIP 71# in 60 min
FHP 2578#

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DST #4
Morrow
5382 - 5414
I.O. Surface to 1/2 inch
F.O. Very weak surface blow died in 36 min
Rec: 30 ft Drlg Mud w/a few specks of oil
Max Temp 131° F
IHP 2635#
IFP 36-36# in 30 min
ISIP 78# in 60 min
FFP 36-36# in 60 min
FSIP 93# in 120 min
FHP 2588#

The Chester, St. Genevieve & St. Louis Formations had no zones of interest

Remarks:

1. Sample log depths appear to be 4 to 8 feet low to E-log depths.

Recommendation:

There are two sands of interest in the Morrow Formation in this well:

5365 to 5388

5414 to 5420

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It is recommended production casing be run so as to be able to production test the above mentioned zones.

Thank you,



Edwin H. Grieves
Geologist

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MAY 24 1995

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RECEIVED
DALLAS FIELD OFFICE

MAY 06 1983

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FBI DALLAS

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ORIGINAL

To: Mr. Robert M. Beren

From: Edwin H. Grieves

Re: DST Lenghts
BEREXCO INC.
Dennis #2-2
S/2 NW/4 SW/4 Sec. 2
T29S-R33W
Haskell County, Kansas

RELEASED

MAY 2 4 1995

FROM CONFIDENTIAL

Spud Date: 11-13-92
Comp Date: 11-25-92
Memo Date: 11-27-92

DST #1 19 hrs 32 min

1. Took long time to get gas bubble out of mud after large gas flow
2. 30 min to fix mud pump

DST #2 17 hrs 20 min

1. 2 hrs wait to open tool in daylight - no wind had possibility of big gas flow

DST #3 15 hrs 42 min

1. Rain - high winds

DST #4 17 hrs 8 min

1. Cold - high winds

Thank you,



Edwin H. Grieves

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MAR 05 1993

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