

WELL REPORT

BEREXCO INC. MPC #327 (92-1)
#1-34 Ruby Jean
C SE SW Sec. 34-22S-34W
Finney County, Kansas
API# 15-055-21,047

AMAZON DITCH PROSPECT

Farmout from Horizon
McCoy Group 30% WI

Contractor: BEREDCO INC., Rig #1.

Geologist: Charlie Spradlin

Elevations: 2848' GL 2960' KB (All measurements from KB)

01-10-92 Rig up BEREDCO INC., Rig #1. Spud @ 7:00 PM.

01-11-92 Drilling 12-1/4" surface hole @ 1151'.

01-12-92 WOC @ 1752'. Set 40 joints of new 8-5/8" OD, 24#,

surface casing @ 1752'. Halliburton cemented with 575 sacks of Premium Plus Light Cement, tailed with 150 sacks of Premium Plus Cement. PD @ 12:00 AM. Cement circulated.

01-13-92 Drilling @ 2830'.
01-14-92 Drilling @ 3596'.
01-15-92 Taking DST #1 @ 3905'.
01-16-92 Taking DST #2 @ 4011'.
01-17-92 Taking DST #3 @ 4046'.
01-18-92 Taking DST #5 @ 4348'.
01-19-92 Taking DST #7 @ 4380'.
01-20-92 Drilling @ 4465'.
01-21-92 Taking DST #9 @ 4768'.
01-22-92 RTD @ 4850'. Running HLS Logs.

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Structure compared to
BEREXCO
Mike Rome #2-34
(Oil Well)

SAMPLE TOPS

B/Heebner	3753 (- 793)	- 7
Toronto	3769 (- 809)	- 9
Lansing	3805 (- 845)	- 7
Lansing "D"	3901 (- 941)	- 7
Lansing "G"	4004 (-1044)	-10
Lansing "H"	4034 (-1074)	-12
KCA	4148 (-1188)	-14
KCB	4190 (-1230)	-18
Marmaton	4282 (-1322)	-14
Marmaton "B"	4301 (-1341)	-14

Marmaton "C"	4340 (-1380)	-14
Pawnee	4365 (-1405)	-14
Fort Scott	4396 (-1436)	-20
Cherokee	4414 (-1454)	-18
Morrow	4418 (-1658)	-18
St. Genevieve	4687 (-1727)	-39
St. Louis	4733 (-1773)	-29
St. Louis zone	4750 (-1790)	-32
RTD	4850 (-1890)	

Lansing "D" zone 3901-3905': Drilled 1"/foot. Limestone; white to buff, very fine to fine xln, fossiliferous and clastic. Fair to good inter-fossil porosity. Good show of free oil. Spotted brown oil stain. Bright fluorescence. Faint odor. 122 unit gas kick.

DST #1 3898-3905' (Lansing "D")

Open 15", S.I. 30", Open 30", S.I. 60"
Strong blow throughout both open periods.
Recovered 1060' of saltwater (18,000 ppm)
Pressures are false.

Lansing "G" zone 4004-4011': Drilled 2"/foot. Limestone; white to buff, fine xln, fossiliferous, partly oolitic and oolitic. Fair to good oolitic porosity. No stain or free oil. Light fluorescence and cut. 22 unit gas kick.

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DST #2 3990-4011 (Lansing "G")

Open 15", S.I. 30", Open 30", S.I. 60"
Weak blow through 1st open period.
Weak blow for 6" on 2nd open period.
Recovered 5' of mud.
FP 31-31# 31-31#
ISIP 649# FSIP 819#

Lansing "H" zone 4034-4038': Drilled 2"/foot. Limestone, white to buff, very fine xln, coarsely clastic, very fossiliferous. Fair to good vuggy, inter-fragment and inter-fossil porosity. Spotted to even light oil stain and greasy luster. Good show of free oil. Strong odor. 70 unit gas kick.
(2nd break) 4041-4046': Drilled 1-1/2" per foot. Limestone; gray, very fine xln, clastic and oolitic, partly oolitic. Poor to fair inter-oolitic and oolitic porosity. Even spotted oil stain. Good show of free oil. Good cut. Strong odor. 46 unit gas kick.

DST #3 4032-4046' (Lansing "H")
Open 15", S.I. 30", Open 30", S.I. 60"
Strong blow through both open periods.
Recovered 120' of gas in pipe,
 65' of clean gassy oil,
 180' of oil and gas cut mud,
 (10% g, 10% o, 75% m, 5% w)
 425' of sulphur water.
FP 31-114# 197-254#
ISIP 1020# FSIP 1070#

KCA zone 4148-4156': Limestone; white, fine xln, coarse clastic, fossiliferous, oolitic and oolitic. Good inter-frag, oolitic and oolitic porosity. Spotted dark black stain, fair amount of barren porosity. Strong sulphur odor. 80 unit gas kick.

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Marmaton "B" zone 4301-4309': Drilled 1/2" per ft. Limestone; white, fine xln, coarsely clastic and

fossiliferous, oolitic. Good inter-fossil and oolitic porosity. Spotted to even amber oil stain. Greasy luster. Excellent show of free oil. Mild odor. White fluorescence and flush cut. 55 unit gas kick.

DST #4 4294-4309' (Marmaton "B")

Open 15", S.I. 30", Open 30", S.I. 60"
Very weak blow through 1st open period.
Dead on 2nd open period.
Recovered 10' of mud.
FP 10-10# 20-20#
ISIP 799# FSIP 809#

Marmaton "C" zone 4340-4346': Drilled 1 1/2" /ft. Dolomite; white to gray, fine xln to mealy, coarsely clastic, fossiliferous with large whole fusulinids. Good inter-xln, inter-fossil and fossil-cast porosity. Spotted dark brown oil stain. Excellent show of free oil. Strong odor. Bright yellow fluorescence and flush cut. 64 unit gas kick.

DST #5 4326-4348' (Marmaton "C")

Open 15", S.I. 30", Open 30", S.I. 60"
Very weak blow throughout both open periods.
Recovered 10' of oil cut mud,
(20% gas, 10% oil, 70% mud)
FP 31-31# 41-41#
ISIP 1010# FSIP 1070#

Pawnee porosity 4367-4373': Drilled 2-3"/ft. Limestone; white, buff and light brown, fine xln, fossiliferous. Poor to fair inter-fossil, inter-oolitic and oolitic to vugular porosity. Spotted to mostly even light amber oil stain, greasy luster. Good show of free oil. Strong odor. Light gold fluorescence. 18 unit gas kick.

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DST #6 4358-4380' (Pawnee)
Packer failure.

DST #7 4348-4380' (Pawnee)
Open 15", S.I. 30", Open 30", S.I. 60"
Very weak blow through 1st open period.
Very weak blow, died in 23" on 2nd open period.
Recovered 10' of mud.
FP 41-41# 52-52#
ISIP 1120# FSIP 1100#

Fort Scott porosity 4396-4410': Drilled 2"/foot.
Limestone; white, buff and brown, fine xln,
fossiliferous, oolitic and slightly oolitic.
Fair inter-oolitic porosity. Spotted to even brown
oil stain. Greasy luster. Good show of free oil.
Faint yellow fluorescence. Mild odor. 81 unit gas
kick.

DST #8 4392-4420' (Fort Scott)
Open 15", S.I. 30", Open 45", S.I. 90"
Fair blow throughout 1st open period.
Strong blow, BB/10" on 2nd open period.
Recovered 900' of gas in pipe,
5' of clean oil,
95' of oil and gas cut mud,
(70% gas, 5% oil, 25% mud)
FP 86-86# 102-108#
ISIP 1070# FSIP 1203#

St. Louis porosity 4750-4765': Drilled 2-3"/foot.
Limestone; cream to buff, coarsely clastic and
fossiliferous, oolitic with large to mostly small
oolites. Good inter-oolitic, inter-fragmental and
inter-fossil porosity. Even light brown oil stain.
Greasy luster. Good show of free oil. Dull gold
fluorescence. Flush cut. Good volume of show in
samples with no barren porosity. Strong odor. 64
unit gas kick.

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DST #9 4742-4768' (St. Louis)
Open 15", S.I. 30", Open 45", S.I. 90"
Strong blow, BB/1" on both open periods.
Recovered 3000' of gas in pipe,
1080' of clean gassy oil, (27 gravity).
FP 151-205# 259-345#
ISIP 1029# FSIP 1060#

- 01-23-92 RTD 4850'. Set 135 joints of used 5-1/2" OD, 14# production casing @ 4848'. Halliburton cement 1st stage with 250 sacks of ThixSet Cement. 2nd stage cemented with 275 sacks of Premium Plus Light tailed with 50 sacks of Premium Plus. PD @ 6:30 AM.
- 02-05-92 Move in completion tools. Run 2-3/8" EUE tubing with bit and scraper. Drill out DV tool @ 3238'. Run to TD and circulate hole clean with salt water.
- 02-06-92 Trip out of hole with tubing, bit and scraper. Run Cement Bond Log. FBTD @ 4797'. DV Tool @ 3225'. Good bond up to 3900'. Pressure test casing to 1000#. Trip in hole with open end tubing. Swab fluid down to 3800'.
- 02-07-92 Swab casing down to 4650'. Trip out of hole with tubing. **Perforate St. Louis from 4745-4755'**, 4 spf with casing gun. Trip in hole with tubing and packer. Set packer @ 4725'. Run swab, 800' of fillup. Swab down recovered 3.3 BO.
1st hour; swab 4.2 BOPH
2nd hour; swab 3.3 BOPH
3rd hour; swab 3.3 BOPH
Shut down for night.
- 02-08-92 Shut in.
- 02-09-92 Shut in.

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- 02-10-92 SITP 30# Fill up 2250' oil. Recovered 10.9 BO on swab down. 1/2 hour pull recovered 2.5 BO. Acidize St. Louis perforations @ 4745-4755' with 1250 gallons of 15% HCL-NE with iron control and silt suspender and 50 balls. Treat @ 3 BPM @ 1100#, on ball action. ISIP 400#. On vacuum in 5 minutes. TL = 48.5 Bbl. Start swabbing @ 10:30.
- 12:00 swab 31.7 BF, 20% oil.
1:30 swab 14.2 BO, trace water.
2:30 swab 14.2 BOPH, trace water.
3:30 swab 14.2 BOPH,
4:30 swab 14.2 BOPH, no water.
- 02-11-92 SITP 10# FU 1550' of oil. Swab down recovered 21.7 BO. Released packer. Trip out of hole with tubing and packer. Run 31' mud anchor, seating nipple, (1) joint of 2-3/8" EUE tubing, tension anchor, (150) joints of 2-3/8" EUE tubing. Seating nipple @ 4763'.
- 02-12-92 Run 2" x 1-1/2" x 14' pump with 12' gas anchor, (129) used 3/4" rods, (60) new 3/4" scraper rods, polish rod and liner. Space out. Hang on clamp. Rig down and move off pulling unit.
- 02-13-92 Build tank battery pad.
- 02-19-92 Set 228 pumping unit.
- 02-20-92 Setting tank battery.
- 02-24-92 Hook up electricity.
- 02-25-92 Start well up.
- 02-26-92 Pump 57 BO.
- 02-27-92 Pump 165 BOPD and 10 BWPD.
- 02-28-92 Pump 33 BO. Well down.
- 02-29-92 Pump 85 BOPD and 4 BWPD.