KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1125427

Form ACO-1
June 2009
Form Must Be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 34318
Name: BEREXCO LLC
Address 1: 2020 N. BRAMBLEWOOD
Address 2:
City: WICHITA State: KS Zip: 67206 + 1094
Contact Person: Bruce Meyer
Phone: (316) 265-3311
CONTRACTOR: License # 34318
Name: BEREXCO LLC
Wellsite Geologist: N/A
Purchaser:

Designate Type of Completion:

☐ New Well ☐ Re-Entry ☑ Workover

☑ Oil ☐ WSW ☐ SWD ☐ SIOW
☐ Gas ☐ D&A ☐ ENHR ☐ SIGW
☐ OG ☐ GSW ☐ Temp. Abd.
☐ CM *(Coal Bed Methane)*
☐ Cathodic ☐ Other *(Core, Expl., etc.)*:

If Workover/Re-entry: Old Well Info as follows:

Operator: Berexco LLC
Well Name: Hummel #3
Original Comp. Date: 03/11/1964 Original Total Depth: 3233

☐ Deepening ☑ Re-perf. ☐ Conv. to ENHR ☐ Conv. to SWD
☐ Conv. to GSW

☐ Plug Back: Plug Back Total Depth
☐ Commingled Permit #:
☐ Dual Completion Permit #:
☐ SWD Permit #:
☐ ENHR Permit #:
☐ GSW Permit #:

09/26/1997 (Spud Date or Recompletion Date) | (Date Reached TD) | 10/10/1997 (Completion Date or Recompletion Date)

API No. 15 - 15-167-45583-00-01
Spot Description:
_ - NW - NW - SW Sec. 30 Twp. 14 S. R. 14 ☐ East ☑ West
2310 Feet from ☐ North / ☑ South Line of Section
4950 Feet from ☑ East / ☐ West Line of Section
Footages Calculated from Nearest Outside Section Corner:
☐ NE ☐ NW ☑ SE ☐ SW
County: Russell
Lease Name: HUMMEL Well #: 3
Field Name:
Producing Formation: Plattsmouth, Toronto, Lansing/KS City
Elevation: Ground: 1819 Kelly Bushing: 1823
Total Depth: 3233 Plug Back Total Depth: 3233
Amount of Surface Pipe Set and Cemented at: 600 Feet
Multiple Stage Cementing Collar Used? ☐ Yes ☑ No
If yes, show depth set: Feet
If Alternate II completion, cement circulated from:
feet depth to: w/ sx cmt.

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)

Chloride content: ppm Fluid volume: bbls
Dewatering method used:
Location of fluid disposal if hauled offsite:
Operator Name:
Lease Name: License #:
Quarter Sec. Twp. S. R. ☐ East ☐ West
County: Permit #:

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

☐ **Letter of Confidentiality Received**
Date:
☐ **Confidential Release Date:**
☐ **Wireline Log Received**
☐ **Geologist Report Received**
☐ **UIC Distribution**
ALT ☐ I ☑ II ☐ III **Approved by:** Deanna Garrison **Date:** 03/25/2013

Side Two

[redacted]

1125427

Operator Name: BEREXCO LLC Lease Name: HUMMEL Well #: 3

Sec. 30 Twp. 14 S. R. 14 ☐ East ☑ West County: Russell

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken *(Attach Additional Sheets)*	☐ Yes	☑ No
Samples Sent to Geological Survey	☐ Yes	☑ No
Cores Taken	☐ Yes	☑ No
Electric Log Run	☐ Yes	☑ No
Electric Log Submitted Electronically *(If no, Submit Copy)*	☐ Yes	☐ No

List All E. Logs Run:

☐ Log Formation (Top), Depth and Datum ☐ Sample

Name	Top	Datum
Attached	Attached	Attached

CASING RECORD ☑ New ☐ Used

Report all strings set-conductor, surface, intermediate, production, etc.

Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface Csg.	12.25	8.625	23	600		300	
Production Csg.	7.875	5.50	15.5	3232		200	

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
☐ Perforate ☐ Protect Casing ☐ Plug Back TD ☐ Plug Off Zone	-			
	-			

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record *(Amount and Kind of Material Used)*	Depth
4	3173 - 3186	1000 15% Hcl, NeFe	3173 - 3186
4	3032 - 3036	1000 15% Hcl, NeFe	3032 - 3036
4	2960 - 2966	1000 15% Hcl, NeFe	2960 - 2966
4	2890 - 2893	1000 28% Hcl, NeFe	2890 - 2893

TUBING RECORD: Size: Set At: Packer At: Liner Run: ☐ Yes ☑ No

Date of First, Resumed Production, SWD or ENHR. 10/10/1997

Producing Method: ☐ Flowing ☐ Pumping ☐ Gas Lift ☑ Other *(Explain)* currently T/A'd

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	2	0	167		

DISPOSITION OF GAS: ☐ Vented ☐ Sold ☐ Used on Lease *(If vented, Submit ACO-18.)*

METHOD OF COMPLETION: ☐ Open Hole ☑ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☑ Commingled *(Submit ACO-4)* ☐ Other *(Specify)*

PRODUCTION INTERVAL: 2890 -3186

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

Form	ACO1 - Well Completion
Operator	BEREXCO LLC
Well Name	HUMMEL 3
Doc ID	1125427

Tops

Name	Top	Datum
Anhydrite (top)	835	+988
Anhydrite (base)	870	+953
Topeka	2714	-891
Heebner	2937	-1114
Toronto	2956	-1133
Lansing/KS City	2993	-1170
Arbuckle	3231	-1408
RTD	3233	-1410

DRILLER'S LOG

COMPANY:	Okmar Oil Company
CONTRACTOR:	LEBEN DRILLING, INC.
FARM:	HUMMEL #3
LOCATION:	NW NW SW Sec. 30-14S-14W RUSSELL COUNTY, KANSAS
COMMENCED:	3-4-64
COMPLETED:	3-11-64

0	40	Shale
40	130	Sand & Shale
130	410	Shale & Shells
410	470	Sand & Shale
470	523	Shale & Shells
523	600	Shale
600	835	Red Rock Sand
835	870	Anhydrite
870	1061	Shale, Lime, Shells
1061	1540	Shale & Shells
1540	1935	Lime & Shale
1935	1994	Shale & Brown Lime
1994	2515	Lime & Shale
2515	2770	Shale & Lime
2770	2870	Lime with Shale
2870	3118	Lime
3118	3172	Lime & Shale
3172	3233	Lime
	3233	Rotary Total Depth - 5½" casing

Set 8 5/8" used surface casing @ 600' with 150 sacks Common and 150 sacks Sunset.

I, Leslie Kite, do hereby certify that the above and foregoing is a true and correct copy of the log of the Hummel #3 well, located NW NW SW of Section 30, Township 14 South, Range 14 West, Russell County, Kansas, as reflected by the files of Leben Drilling, Inc.

Leslie Kite

Leslie Kite

STATE OF KANSAS)
) SS
COUNTY OF BARTON)

Subscribed and sworn to before me, a Notary Public, in and for Barton County, Kansas, this 13th day of March, 1964.

Ulanda Nichols

Ulanda Nichols, Notary Public

My Commission Expires
April 1, 1967

HAROLD E. McNEIL
GEOLOGIST
Post Office Box 211
WHEAT RIDGE, COLORADO
Office: 266-2931
Res.: 424-3812

March 12, 1964

OKMAR OIL CO. HUMMEL #3
NW NW SW 30-14-14W
RUSSELL COUNTY, KANSAS

GEOLOGICAL REPORT

ELEVATION 1821 derrick floor
1823 kelly bushing. (All depth references are from top of kelly bushing.)

CONTRACTOR Leben Drilling, Inc. Rig #3.

COMMENCED March 4, 1964.

COMPLETED Rotary drilling completed March 11, 1964.

CASING 8 5/8" cemented at 600' with 300 sacks.
5 1/2" cemented at 3232 with 200 sacks.

FORMATION TOPS

Topeka	2714	(-891)
Heebner	2937	(-1114)
Toronto	2956	(-1133)
Lansing-Kansas City	2993	(-1170)
Arbuckle	3231	(-1408)
Rotary total depth	3233	(-1410)

OIL SHOWS

2890-2899 TOPEKA Partly chalky to finely crystalline lime-spotted slight porosity-spotted light staining.

2956-2968 TORONTO Trace of staining in dense mostly chalky lime.

2995-3003 LANSING Mostly dense lime. Trace poor crystalline and vugular porosity with show of free live oil. Covered by attempted DST MISRUN. Some drilling fluid recovered(10' mud-barren of oil) and pressures recorded.

3019-3022 Oolicastic lime-good porosity-spotted show of free oil-some barren oolicastic porosity-faint odor.

3031-3036 Partly chalky mostly dense lime-trace poor porosity with staining and small show of free oil.

3058-3065 Partly vugular, oolitic, oolicastic, and crystalline lime-spotted slight to fair porosity with show of free oil. Tested by DST #1.

3074-3079 Partly vugular and fossiliferous lime-spotted slight porosity with trace fair porosity-show of free oil. Tested by DST #1.

HAROLD E. MCNEIL
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OKMAR OIL CO. HUMMEL #3
30-14-14W, RUSSELL COUNTY
KANSAS.

OIL SHOWS (cont)	3084-3096	Oolicastic lime-good porosity-very spotted show of free oil. Most porosity barren.
	3175-3182	Oolitic and oolicastic lime-spotted fair to good porosity-show of free oil-fair odor. Some barren oolicastic porosity. Tested by DST #2.
	3190-3225	Fair to strong odor in wet samples. Mostly dense and chalky lime. Scattered vugs carrying black residual dead oil staining-no free oil.
	3231-3233	ARBUCKLE White fine to medium crystalline dolomite-spotted slight to fair crystalline porosity-show of free oil-good odor. Casing cemented for further testing with standard tools.
DRILL STEM TESTS	2944-3010	MISRUN due to malfunction of hydraulic tool. 30 minutes initial shut in-bottom hole pressure 500# psi. rising slowly. Open 1 hour(tool open total of 19 minutes during this interval due to mechanical trouble)-filled 10' mud with no trace of oil. 30 minutes final shut in-bottom hole pressure 240# psi. rising slowly.
	3050-3080	DST #1 30 minutes initial shut in-bottom hole pressure 200# psi. rising slowly. Open 1 hour-filled 240' gas-90' medium oil and gas cut mud-good show of free oil in tool. Flow pressures 0 - 0. 30 minutes final shut in-bottom hole pressure 110# psi. rising.
	3162-3190	DST #2 30 minutes initial shut in-bottom hole pressure440# psi. Open 1 hour-filled 75' muddy salt water. 30 minutes final shut in-bottom hole pressure 430# psi.

REMARKS Samples were examined 2700' to total depth. Drilling was supervised 2900' to total depth. The well structurally is flat to high when compared with nearby producing wells.

Yours very truly,

Harold E. McNeil

Harold E. McNeil