

FORM MUST BE TYPED

STATE CORPORATION COMMISSION OF KANSAS  
OIL & GAS CONSERVATION DIVISION  
WELL COMPLETION FORM  
ACO-1 WELL HISTORY  
DESCRIPTION OF WELL AND LEASE

SIDE ONE

**ORIGINAL**

OPERATOR: License # 5363  
Name: BEREXCO, Inc  
Address: 100 N. Broadway  
Suite 970  
City/State/Zip: Wichita, KS 67202

Purchaser: \_\_\_\_\_  
Operator Contact Person: Evan Mayhew

**RELEASED**

Phone: (316) 265-3311

**OCT 15 1998**

Contractor: Beredco, Inc

License: 5147

**FROM CONFIDENTIAL**

Wellsite Geologist: \_\_\_\_\_

Designate Type of Completion  
 New Well  Re-Entry  Workover

Oil  SWD  SLOW  Temp. Abd.  
 Gas  EHHR  SIGW  
 Dry  Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Re-Entry; oil well info as follows:

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Comp. Date: \_\_\_\_\_ Old Total Depth: \_\_\_\_\_

Deepening  Re-Perf  Conv. to Inj/SWD  
 Plug Back  PBTB  
 Commingled  Docket No. \_\_\_\_\_  
 Dual Completion  Docket No. \_\_\_\_\_  
 Other (SWD or Inj?)  Docket No. \_\_\_\_\_

07/12/97 07/22/97 07/23/97  
Spud Date Date Reached TD Completion Date

API NO. 15- 129-21520-00-00

County Morton

C - NE - SW Sec 4 Twp 34 Rge 39 X E W

1980 Feet from S/N (circle one) Line of Section

1980 Feet from E/W (circle one) Line of Section

Footages Calculated from Nearest Outside section Corner:  
NE, SE, NW, or SW (circle one)

Lease Name Armstrong Well # 1-4

Field Name Dole, EXT

Producing Formation \_\_\_\_\_

Elevation: Ground: 3309 KB: 3321

Total Depth 6441 PBTB 0

Amount of Surface Pipe Set and Cemented at 1811 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 DFA 9-30-98 uc.  
(Data must be collected from the Reserve Pit)

Chloride Content 1150 ppm Fluid Volume 7000 bbls

Dewatering method used KCC Evaporation \_\_\_\_\_

Location of fluid disposal if hauled offsite: \_\_\_\_\_

Operator Name AUG 14

Lease Name **CONFIDENTIAL**

Quarter \_\_\_\_\_ Sec \_\_\_\_\_ Twp \_\_\_\_\_ Rge \_\_\_\_\_ E/W

County \_\_\_\_\_ Docket No. \_\_\_\_\_

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas, 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-2-130, 82-3-106 and 82-3-107 apply. Information on side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 with all plugged well. Submit CP-111 form with all temporarily abandoned wells.

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.

Signature Evan C Mayhew

Title Division Engineer Date 8/14/97

Subscribed and sworn to before me this 14th day of August 19 97.

Notary Public Tiffany R. Reese

Date Commission Expires SEPTEMBER 19, 1999

TIFFANY R. REESE  
NOTARY PUBLIC  
STATE OF KANSAS  
My Appt. Exp. 9-19-99

K.C.C. OFFICE USE ONLY  
F  Letter of Confidentiality Attached  
C  Wireline Log Received  
C  Geologist Report Received  
Distribution  
 KCC  SWD/Rep  NGPA  
 KGS  Plug  Other (Specify)

Form ACO-1 (7-91)

**CONFIDENTIAL**

Operator Name BEREXCO, Inc  
 Sec 4 Twp 34 Rge 39  
 East  
 West

Lease Name Armstrong Well # 1-4  
 County Morton

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests giving interval tested, time tool open and closed, flowing and shut-in pressure, whether shut-in pressure reached static level, hydrostatic pressure, bottom hole temperature, fluid recovery, and flow rates if gas to surface during test. Attach extra sheet if more space is needed. Attach copy of log.

**ORIGINAL**

Drill Stem Tests Taken  Yes  No  
 (Attach Additional Sheets.)

Samples Sent to Geological Survey  Yes  No

Cores Taken  Yes  No

Electric Log Run  Yes  No  
 (Submit Copy.)

List All E. Logs Run:  
 Microlog  
 Spectral Density Dual Spaced Neutron II Log  
 Dual Induction Laterlog

Log Formation (Top), Depth and Datum  Sample  
 Name Top Datum  
 See Attached

**RELEASED**  
**OCT 15 1998**  
**FROM CONFIDENTIAL**

**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	12 1/4	8 5/8	24#	1811	Poz Mix Class C	650 150	6% Gel, 3% CC

Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				
<input type="checkbox"/> Remedial				

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

TUBING RECORD	Size	Set At	Packer At	Liner Run	Yes	No

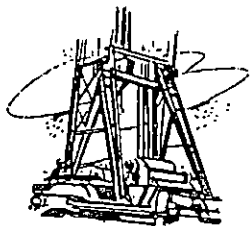
Date of First, Resumed Production, SWD or Inj	Producing Method	Gas Lift	Other (Explain)
<u>P+A</u>	<input type="checkbox"/> Flowing <input type="checkbox"/> Pumping	<input type="checkbox"/> Gas Lift	
Estimate Production Per 24 Hours	Oil <u>N-A</u> Bbls	Gas MCF	Water Bbls
			Gas-Oil Ratio
			Gravity

**METHOD OF COMPLETION**

Disposition of Gas:  Vented  Sold  Used on Lease  
 (If vented, submit ACO-18.)

Open Hole  Perf  Dually Comp  Commingled  
 Other (Specify) \_\_\_\_\_ Production Interval \_\_\_\_\_

**CONFIDENTIAL**



CHARLES B. SPRADLIN

GEOLOGIST

8403 TAMARAC

WICHITA, KANSAS 67206

316-683-9026

ORIGINAL

RELEASED

OCT 15 1998

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GEOLOGICAL REPORT  
BEREXCO INC. #1-4 Armstrong  
C NE/4 SW/4 Sec. 4-34S-39W  
Morton County, Kansas

15-129-21520

Spud date: 7-12-97  
Drilling completed: 7-22-97 KCC

Elevations: 3322 KB  
3320 DF  
3309 GL  
AUG 14  
CONFIDENTIAL

Comparison well: Anadarko Petroleum Corp. #1 Dole "A"  
C W/2 NE/4 Sec. 4-34S-39W  
(Abandoned producer approx. 1/2 mile northeast)

<u>Formation</u>	<u>Sample Top</u>	<u>E-Log Top</u>	<u>Datum</u>	<u>Compared to #1 Dole "A"</u>
Base/Heebner	4223	4216	(- 894)	11' low
Lansing	4314	4308	(- 986)	16' low
Kansas City	4610	4600	(-1278)	14' low
Swope	4944	4948	(-1626)	29' low
Lenepah	5070	5066	(-1744)	22' low
Altamont	5123	5710	(-1788)	9' low
Pawnee	5206	5196	(-1874)	14' low
Fort Scott	5269	5262	(-1940)	18' low
Cherokee	5310	5296	(-1974)	13' low
Atoka	5455	5448	(-2126)	19' low
"13 Finger"	5716	5708	(-2386)	21' low
Morrow Corr. Pt.	5866	5858	(-2536)	26' low
Middle Morrow Sand	6075	6068	(-2746)	49' low
Morrow "Brown Sand"	6271	6262	(-2940)	33' low
Chester	6362	6352	(-3030)	17' low
Total Depth	6441	6430	(-3108)	

RECEIVED  
KANSAS CORP. CORP.  
1997 AUG 15 A 1:30  
CONFIDENTIAL

**Zones of Interest and DST's**

(All measurements corrected to E-log measurements)

**Middle Morrow Sand 6068 - 6078**

Sand, white, coarse grained, angular, ill sorted, slightly calcareous, poor intergrain porosity. No show.

**Lower Morrow "Brown" Sand 6262 - 6286**

Sand, gray to white, fine grained, well rounded, well sorted, calcareous, very glauconitic, poor to fair intergrain porosity. No show.

**Chester 6401 - 6419**

Siltstone, greenish white, very fine grained, well rounded, homogenous, soft with very poor intergrain porosity. The zone is composed of silt grains in a calcareous matrix. No show except for a 60 unit gas increase.

**Remarks and Recommendations**

Neither the objective Upper Morrow Sand nor the Keyes Sand were present in this well. The other potential reservoirs were encountered at unfavorable structural positions and displayed no show of oil or gas. It was therefore recommended that the test be plugged and abandoned as a dry hole.

Charles B. Spradlin  
July 24, 1997

KCC

AUG 14

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OCT 15 1998

FROM CONFIDENTIAL

RECEIVED  
KANSAS CORP CORM  
1997 / 08 15 A 1:30

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# ALLIED CEMENTING CO., INC.

8240

Federal Tax I.D.# 48-0727860

REMIT TO: P.O. BOX 31  
RUSSELL, KANSAS 67665

SERVICE POINT:

*Will Fell ORIGINAL*

DATE <u>7-13-97</u>	SEC. <u>4</u>	TWP. <u>34S</u>	RANGE <u>39W</u>	CALLED OUT	ON LOCATION <u>6:50 PM</u>	JOB START <u>1:00 AM</u>	JOB FINISH <u>2:30 AM</u>
LEASE <u>ARMSTRONG</u>	WELL # <u>1-4</u>	LOCATION <u>Rolla 1/2-3E</u>			COUNTY <u>MORTON</u>	STATE <u>KS</u>	
OLD OR <u>(NEW)</u> (Circle one)				<b>CONFIDENTIAL</b>		<b>RELEASED</b>	

CONTRACTOR SWEETMAN DRILLING #1 OWNER SAME

TYPE OF JOB SURFACE

HOLE SIZE 12 1/4" T.D. 1812'

CASING SIZE 8 7/8" DEPTH 1814.82'

TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_

DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_

TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_

PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_

MEAS. LINE \_\_\_\_\_ SHOE JOINT 40.80'

CEMENT LEFT IN CSG. 40.80'

PERFS. \_\_\_\_\_

DISPLACEMENT 113.882

CEMENT AMOUNT ORDERED 650 SKS FROM CONFIDENTIAL

150 SKS COM 3% CC

EQUIPMENT

PUMP TRUCK CEMENTER TERRY

# 300 HELPER WAYNE MAX

BULK TRUCK

# 280 DRIVER JEFF

BULK TRUCK

# 256 DRIVER JAMES

COMMON	<u>150 SKS</u>	@	<u>7.20</u>	<u>1,080.00</u>
POZMIX		@		
GEL		@		
CHLORIDE	<u>27 SKS</u>	@	<u>28.00</u>	<u>756.00</u>
<u>Lite</u>	<u>650 SKS</u>	@	<u>6.65</u>	<u>4,322.50</u>
<u>Flo-Seal</u>	<u>163 #</u>	@	<u>1.15</u>	<u>187.45</u>
		@		
		@		
HANDLING	<u>800 SKS</u>	@	<u>1.05</u>	<u>840.00</u>
MILEAGE	<u>44 per sk/mile</u>			<u>1,440.00</u>

AUG 14 TOTAL 8,625.25

**CONFIDENTIAL**

REMARKS:

RUN 43 JTS "8 7/8" CASING Total 1815'

MIX 650 SKS LITE 3% CC 1/4" Flo-SEAL & 150 SKS

COM 3% CC + DISPLACE.

FLOAT HELD

CEMENT RED CIRC. ✓

THANK YOU

SERVICE

DEPTH OF JOB 1814.82

PUMP TRUCK CHARGE 1030.00

EXTRA FOOTAGE @ \_\_\_\_\_

MILEAGE 45 miles @ 2.85 128.25

PLUG 8 7/8 RUBBER @ 3.00 90.00

TOTAL 1,248.25

CHARGE TO: DEREXCO INC.

STREET PO Box 723

CITY Hays STATE Kan ZIP 67601

FLOAT EQUIPMENT

8 7/8"

<u>1- GUESS SHOE</u>	@	<u>238.00</u>
<u>1- AFU INSERT</u>	@	<u>358.00</u>
<u>3- CENTRALIZER</u>	@	<u>183.00</u>
	@	
	@	

To Allied Cementing Co., Inc.

You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read & understand the "TERMS AND CONDITIONS" listed on the reverse side.

**CONFIDENTIAL**

TAX \_\_\_\_\_

TOTAL CHARGE \_\_\_\_\_

DISCOUNT \_\_\_\_\_ IF PAID IN 30 DAYS

SIGNATURE Eugene Saloga

Eugene Saloga PRINTED NAME