

ORIGINAL

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

AUG 03 2005

KCC WICHITA

Form ACO-1
September 1999
Form Must Be Typed

CONFIDENTIAL

Operator: License # 5364
Name: BEREN CORP
Address: P O Box 20380
City/State/Zip: Wichita, KS 67208
Purchaser: _____
Operator Contact Person: Jeremy Ensz
Phone: (316) 265-3311
Contractor: Name: BEREDCO
License: 5147
Wellsite Geologist: Bryan Bynog

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Designate Type of Completion:
 New Well Re-Entry Workover
 Oil SWD SLOW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Re-entry: Old Well Info as follows:
Operator: _____
Well Name: _____
Original Comp. Date: _____ Original Total Depth: _____
 Deepening Re-perf. Conv. to Enhr./SWD
 Plug Back Plug Back Total Depth
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Enhr.?) Docket No. _____
6-16-2006 6-25-2006
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 135-24506-00-00
County: Ness
N/2 - NW - NW - NE Sec. 16 Twp. 16 S. R. 23 East West
75' FNL _____ feet from S / N (circle one) Line of Section
2350' FEL _____ feet from E / W (circle one) Line of Section
Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE NW SW
Lease Name: Willa Well #: 1-16
Field Name: Osgood
Producing Formation: _____
Elevation: Ground: 2433' Kelly Bushing: 2444'
Total Depth: 4630' Plug Back Total Depth: _____
Amount of Surface Pipe Set and Cemented at 220 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 *ACT II P&A within 8-2-07*
(Data must be collected from the Reserve Pit)
Chloride content 4000 ppm Fluid volume 730 bbls
Dewatering method used _____
Location of fluid disposal if hauled offsite: _____
Operator Name: _____
Lease Name: _____ License No.: _____
Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West
County: _____ Docket No.: _____

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of 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 form with all plugged wells. 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: [Signature]
Title: Reservoir Engineering Tech Date: 08-02-2006
Subscribed and sworn to before me this 2nd day of August, 2006.
Notary Public: [Signature]
Date Commission Expires: Aug 10, 2007

DIANA E PLOTNER
NOTARY PUBLIC
STATE OF KANSAS
My Appt. Exp. 8-10-07

KCC Office Use ONLY
 Letter of Confidentiality Received
If Denied, Yes Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution

Operator Name: BEREN CORP Lease Name: Willa Well #: 1-16
 Sec. 16 Twp. 16 S. R. 23 East West County: Ness

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 copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

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:

DIL, MEL, BHCS, CDL/CNL

<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Name	Top	Datum
Anhydrite	1800'	+644
Heebner	3814'	-1370
LKC	3848'	-1404
BKC	4153'	-1709
Pawnee	4241'	-1797
Fort Scott	4331'	-1887
Mississippi	4456'	-2012

CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> 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"	20	220'	common	220	2% gel, 3% CC

ADDITIONAL CEMENTING / SQUEEZE RECORD				
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	n/a			

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
	n/a	n/a	

TUBING RECORD	Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
	n/a			
Date of First, Resumerd Production, SWD or Enhr.	Producing Method <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)			
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio Gravity

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

METHOD OF COMPLETION Open Hole Perf. Other (Specify)

Production Interval Dually Comp. Commingled

ALLIED CEMENTING CO., INC.

24312

Federal Tax I.D.:

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

SERVICE POINT:

St. Bernard

DATE <u>6-15-06</u>	SEC <u>16</u>	TWP. <u>16</u>	RANGE <u>23</u>	CALLED OUT <u>8:00 AM</u>	ON LOCATION <u>10:30 AM</u>	JOB START <u>11:30 AM</u>	JOB FINISH <u>2:15 PM</u>
LEASE <u>Willa</u>	WELL # <u>1-16</u>	LOCATION <u>283 & 4th Jct 2N, 1 1/2 E, S/5</u>			COUNTY <u>Neosho</u>	STATE <u>Ks</u>	
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR Benedco #10

TYPE OF JOB Surface

HOLE SIZE 12 1/4" T.D. 227'

CASING SIZE 8 1/2" DEPTH 227'

TUBING SIZE _____ DEPTH _____

DRILL PIPE _____ DEPTH _____

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. 15'

PERFS. _____

DISPLACEMENT 13 1/2 bbls

OWNER Same

CEMENT AMOUNT ORDERED 220 lb Common 35cc, 28 Sel,

COMMON <u>220</u>	@ <u>10.65</u>	<u>2343.00</u>
POZMIX _____	@ _____	_____
GEL <u>4</u>	@ <u>16.65</u>	<u>66.60</u>
CHLORIDE <u>7</u>	@ <u>46.00</u>	<u>322.00</u>
ASC _____	@ _____	_____

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HANDLING <u>231</u>	@ <u>1.90</u>	<u>438.90</u>
MILEAGE <u>231 x 17 x .08</u>		<u>314.16</u>
		TOTAL <u>3488.86</u>

REMARKS:

Ran 227' of 8 1/2" Csg. Brake Circulation.
Mixed 220 lb Common 35cc & 70 Sel.
Released Plug. Displaced with fresh
H2O.
Cement And Circulate

SERVICE

DEPTH OF JOB <u>227'</u>		
PUMP TRUCK CHARGE _____		<u>815.00</u>
EXTRA FOOTAGE _____	@ _____	_____
MILEAGE <u>17</u>	@ <u>5.00</u>	<u>85.00</u>
MANIFOLD _____	@ _____	_____
		TOTAL <u>900.00</u>

CHARGE TO: Benedco, Inc.

STREET _____

CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

<u>1-8 1/2" wooden Plug</u>	@ <u>60.00</u>	<u>60.00</u>
_____	@ _____	_____
		TOTAL <u>60.00</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.

AUG 03 2006

TAX KCC WICHITA

TOTAL CHARGE _____

DISCOUNT _____ IF PAID IN 30 DAYS

SIGNATURE Marcus D. Julian

PRINTED NAME

ALLIED CEMENTING CO., INC.

24318

Federal Tax I.D.# 4

SHIP TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:

DATE <u>6-25-06</u>	SEC. <u>16</u>	TWP. <u>16</u>	RANGE <u>23</u>	6-24-06 CALLED OUT <u>11:30 PM</u>	ON LOCATION <u>2:30 AM</u>	Job Start <u>3:00 AM</u>	Job Finish <u>5:30 AM</u>
LEASE <u>W. 11a</u>	WELL # <u>1-16</u>	LOCATION <u>283 + 4 T, 2N, 1 1/2 E, S/5</u>	New City 6-25-06		COUNTY <u>New</u>	STATE <u>K</u>	
OLD OR <input checked="" type="radio"/> NEW (Circle one)							

CONTRACTOR Beredco
 TYPE OF JOB Rotary Plug
 HOLE SIZE 7 7/8" O.D. 4 1/2 30'
 CASING SIZE _____ DEPTH _____
 TUBING SIZE _____ DEPTH _____
 DRILL PIPE 4" DEPTH 1830'
 TOOL _____ DEPTH _____
 PRES. MAX _____ MINIMUM _____
 MEAS. LINE _____ SHOE JOINT _____
 CEMENT LEFT IN CSG. _____
 PERFS. _____
 DISPLACEMENT _____

OWNER Same
 CEMENT AMOUNT ORDERED 255 lbs 60/40 670 lbs
1/4 # floored/sh

COMMON	<u>153 gal.</u>	@	<u>10.65</u>	<u>1629.45</u>
POZMIX	<u>102 gal.</u>	@	<u>5.80</u>	<u>591.60</u>
GEL	<u>13 gal.</u>	@	<u>16.65</u>	<u>216.45</u>
CHLORIDE		@		
ASC		@		
<u>No Seal 64#</u>		@	<u>2.00</u>	<u>128.00</u>
<u>KCC</u>		@		
<u>AUG 0 2 2006</u>		@		
<u>CONFIDENTIAL</u>		@		
HANDLING	<u>270 gal.</u>	@	<u>1.90</u>	<u>513.00</u>
MILEAGE	<u>270 mi 08 17</u>			<u>361.20</u>
TOTAL				<u>3445.70</u>

EQUIPMENT

PUMP TRUCK	CEMENTER	<u>Tom D</u>
# <u>224</u>	HELPER	<u>Tom W</u>
BULK TRUCK	DRIVER	<u>Don D</u>
# <u>357</u>	DRIVER	

REMARKS:

Mixed - 50 lbs @ 1830'
80 lbs @ 1030'
40 lbs @ 500'
50 lbs @ 230'
20 lbs @ 60'
15 lbs in Rathole

CHARGE TO: Beredco Inc.
 STREET _____
 CITY _____ STATE _____ ZIP _____

SERVICE

DEPTH OF JOB	<u>1830'</u>		
PUMP TRUCK CHARGE			<u>815.00</u>
EXTRA FOOTAGE		@	
MILEAGE	<u>17</u>	@	<u>5.00</u>
MANIFOLD		@	
TOTAL <u>900.00</u>			

PLUG & FLOAT EQUIPMENT

	@	
	@	
	@	
	@	
TOTAL _____		

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.

SIGNATURE Mavis B. Galbraith

TAX _____
 TOTAL CHARGE _____
 DISCOUNT _____ IF PAID IN 30 DAYS

PRINTED NAME AUG 0 3 2006

KCC WICHITA

MUD-CO / SERVICE MUD INC.

100 S. Main, Suite 405 / Wichita, KS 67202 / 316-264-2814

DRILLING MUD REPORT

REPORT NO. **2**

DATE **6-16-06** DEPTH **155**

API WELL NO. STATE COUNTY

OPERATOR Berexco, Inc.		CONTRACTOR Berexco Drig.		RIG NO. 10
ADDRESS		ADDRESS		SPUD DATE 6-16-06
Rig		Rig		SECTION, TOWNSHIP, RANGE 16-16S-23W
REPORT FOR MR. Bryon Bynog		REPORT FOR MR. Marvin Julian		
WELL NAME AND NO. #1-16 Willie		FIELD OR BLOCK NO. 3272	COUNTY Neosho	STATE Kansas

OPERATION PRESENT ACTIVITY <i>Drilling Surface</i>		CASING SURFACE 5 1/8" IN. at 225 FT.		MUD VOLUME (BBL) HOLE PITS 400		CIRCULATION DATA PUMP SIZE X IN. 6 14		ANNULAR VEL. (FT/MIN.) OPPOSITE DP 180
BIT SIZE (IN.) 7 7/8	NO. 1	INTERMEDIATE IN. at FT.	PRODUCTION OR LINER IN. at FT.	TOTAL CIRCULATING VOLUME	IN STORAGE	PUMP MAKE Ideco C-250	OPPOSITE COLLAR 350	
DRILL PIPE SIZE 4	TYPE XH	MUD TYPE Native		BBL/STROKE	STROKE/MIN	CIRCULATING PRESSURE PSI 800	BOTTOMS UP (MIN.)	SYSTEM TOTAL (MIN.)
DRILL COLLAR SIZE 6 1/2 X 2 1/2	LENGTH 498			.137	56			
Sample from <input checked="" type="checkbox"/> Flowline <input type="checkbox"/> Pit		MUD PROPERTIES		DAILY COST 1164.50	CUMULATIVE COST 1164.50			
Flowline Temp. °F				MUD PROPERTIES SPECIFICATIONS		WEIGHT 9.3 or less		VISCOSITY 30-33
				BY AUTHORITY <input type="checkbox"/> OPERATOR'S WRITTEN <input type="checkbox"/> DRILLING CONTRACTOR		FILTRATE NC		
				<input type="checkbox"/> OPERATOR'S REPRESENTATIVE <input checked="" type="checkbox"/> OTHER		MATERIALS RECOMMENDED		

Time Sample Taken AM 2:20	Depth (ft) 155	Weight (ppg) <input checked="" type="checkbox"/> (lb/cu ft) <input type="checkbox"/>	Mud Gradient (psi/ft)	Funnel Viscosity (sec/qt) API at °F 40	Plastic Viscosity cp at °F	Yield Point (lb/100 sq ft)	Gel Strength (lb/100 sq ft) 10 sec/10 min 1 1 1	pH <input checked="" type="checkbox"/> Strip <input type="checkbox"/> Meter	Filtrate API (ml/30 min)	Cake Thickness 32nd in API <input checked="" type="checkbox"/> HP-HT <input type="checkbox"/>	Alkalinity, Mud (P _m)	Alkalinity, Filtrate (P _f /M _f) 1 1 1	Salt <input type="checkbox"/> ppm <input type="checkbox"/> gpg Chloride <input checked="" type="checkbox"/> ppm <input type="checkbox"/> gpg	Calcium <input checked="" type="checkbox"/> ppm <input type="checkbox"/> Gyp (ppb)	Sand Content (% by Vol)	Solids Content (% by Vol)	Oil Content (% by Vol)	Water Content (% by Vol)	L.C.M. #/bbl	Preservative #/bbl
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MATERIALS RECOMMENDED	
Suggest to mud up.	
1. Drill out from under surface with plenty of fresh water and jet often.	
2. Flush hole as needed with 80 bbis. of fresh water with the following: 30 sx. gel 1 sx. soda ash LCM as needed	
3. Pretreat hole for possible loss circ. at 2700. Mix up the following: 80 bbis. of fresh water 25 sx. gel 1 sx. soda ash 10-15 sx. c/s hulls	
4. Displace at 3500.	
5. Fillfrac tank with the following: 80 bbis. of fresh water 22 sx. gel 2 sx. soda ash 1 sx. lignite 1 sx. caustic soda 1/2 sx. pac 3 sx. c/s hulls	

Always Keep Hole Full!
Always Circulate Hole Clean Before Trips

Thank You

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MUD ON HAND/USED	MUD ON HAND/USED
280/105 Premium Gel	6 Drillpac
25 Soda Ash	96/4 C/S Hulls
19 Caustic Soda	Multi Seal
20 Super Lig	Cedar Fiber
0 5 Lime	Cello Flake
	2 Poly Plus

THE RECOMMENDATIONS MADE HEREON SHALL NOT BE CONSTRUED AS AUTHORIZING THE INFRINGEMENT OF ANY VALID PATENT, AND ARE MADE WITHOUT ASSUMPTION OF ANY LIABILITY BY MUD-CO / SERVICE MUD, INC. OR ITS AGENTS, AND ARE STATEMENTS OF OPINION ONLY.

REPRESENTATIVE <i>Nancy Schmittberger</i>	HOME ADDRESS <i>Hays</i>	TELEPHONE <i>785-257-4931</i>
MOBILE UNIT <i>785-257-2759</i>	WAREHOUSE LOCATION <i>Pratt</i>	TELEPHONE <i>620-673-3957</i>

MUD-CO / SERVICE MUD INC.

100 S. Main, Suite 405 / Wichita, KS 67202 / 316-264-2814

DRILLING MUD REPORT

REPORT NO. **3**

DATE **6-18-2006** DEPTH **2506**

API WELL NO. STATE COUNTY

OPERATOR: **Berexco, Inc** ADDRESS: **Rig** REPORT FOR MR.: **Bryon Bynog** WELL NAME AND NO.: **#1-16 Willa**

CONTRACTOR: **Beredco Drig.** ADDRESS: **Rig** REPORT FOR MR.: **Marvin Julian**

RIG NO.: **10** SPUD DATE: **6-16-06** SECTION, TOWNSHIP, RANGE: **16-16S-23W**

FIELD OR BLOCK NO. COUNTY STATE: **Ness Kansas**

OPERATION		CASING		MUD VOLUME (BBL)		CIRCULATION DATA	
PRESENT ACTIVITY <i>Drill</i>	SURFACE	HOLE	PITS	PUMP SIZE X IN.	ANNULAR VEL. (FT./MIN.)	OPPOSITE DP. 180	
BIT SIZE (IN.) NO. 7 7/8 1	INTERMEDIATE	TOTAL CIRCULATING VOLUME 633		PUMP MAKE Model Ideco-C-250	OPPOSITE COLLAR 350		
DRILL PIPE SIZE TYPE 4 XH	PRODUCTION OR LINER	IN STORAGE		BBL/STROKE STROKE/MIN .137 56	CIRCULATING PRESSURE PSI 800	BOTTOMS UP (MIN.) 30	
DRILL COLLAR SIZE 6 1/2 x 2 1/2	IN. at FT.			BBL/MIN. 7.7	SYSTEM TOTAL (MIN.) 82		
MUD TYPE Native							

Sample from Flowline Pit Flowline Temp.ature °F

MUD PROPERTIES DAILY COST **2039.13** CUMULATIVE COST **3265.63**

Time Sample Taken	AM	PM	8:35
Depth (ft)			2506
Weight <input checked="" type="checkbox"/> (ppg) <input type="checkbox"/> (lb/cu ft)			9.7
Mud Gradient (psi/ft)			1264
Funnel Viscosity (sec/qt) API at °F			30
Plastic Viscosity cp at °F			/
Yield Point (lb/100 sq ft)			/
Gel Strength (lb/100 sq ft) 10 sec/10 min			1 1 1
pH <input checked="" type="checkbox"/> Strip <input type="checkbox"/> Meter			6.0
Filtrate API (ml/30 min)			NC
Cake Thickness 32nd in API <input checked="" type="checkbox"/> HP-HT <input type="checkbox"/>			/
Alkalinity, Mud (P _m)			/
Alkalinity, Filtrate (P _f /M _f)			1 1 1
Salt <input type="checkbox"/> ppm <input checked="" type="checkbox"/> Chloride <input type="checkbox"/> ppm			77000
Calcium <input checked="" type="checkbox"/> ppm <input type="checkbox"/> Gyp (ppb)			Huv
Sand Content (% by Vol)			Tr
Solids Content (% by Vol)			5.4
Oil Content (% by Vol)			/
Water Content (% by Vol)			94.6
L.C.M. #/bbl			Nil
Preservative #/bbl			/

MUD PROPERTIES SPECIFICATIONS

WEIGHT **9.3 or less** VISCOSITY **30-33** FILTRATE **NC**

BY AUTHORITY OPERATOR'S WRITTEN DRILLING CONTRACTOR OPERATOR'S REPRESENTATIVE OTHER

MATERIALS RECOMMENDED

Run plenty of water + jet often. Keep wt. 9.3 or less.

Add LCM tank at 2700 for pretreat.

Displace at 3500.

Always keep hole full!

Always circulate hole clean before trip.

Thank you

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MUD ON HAND/USED		MUD ON HAND/USED	
317	103	5	1
19	6	72	24
16	3		
15	5		
10	3		
		2	

Premium Gel
Soda Ash
Caustic Soda
Super Lig
Lime

Drillpac
C/S Hulls
Multi Seal
Cedar Fiber
Cello Flake
Poly Plus

Makeup water in fresh water pit 700 PPM. calc. 20 PPM. calc. 700 PPM. chloride 80 PPM. calc.

" " " in water tank

THE RECOMMENDATIONS MADE HEREON SHALL NOT BE CONSTRUED AS AUTHORIZING THE INFRINGEMENT OF ANY VALID PATENT, AND ARE MADE WITHOUT ASSUMPTION OF ANY LIABILITY BY MUD-CO / SERVICE MUD, INC. OR ITS AGENTS, AND ARE STATEMENTS OF OPINION ONLY.

REPRESENTATIVE: **Jary Schmitzberger** HOME ADDRESS: **Hays** TELEPHONE: **785-635-4931**

MOBILE UNIT: **785-259-2757** WAREHOUSE LOCATION: **Watt** TELEPHONE: **620-673-2952**

Mud-Co / Service Mud, Inc.

100 S. Main St., Suite #310, Wichita, Ks. 67202

Report: **4**

Daily Drilling Mud Report

Date: **06/19/06** Depth: **3314**

Operator Berexco, Inc.	Contractor Beredco Drilling	Rig No. 10
Address Rig	Address Rig	Spud Date 06/16/06
Report for Mr. Bryon Bynog	Report for Mr. Marvin Julian	Section 16
Well Name & No. #1-16 Willa	County Ness	Twp 16S
	State Kansas	Range 23W

Operation	Casing	Mud Volume (BBL)	Circulation Data			
Present Activity	Hole	Pits	Liner Size	Stroke	Opposite Drill Pipe	Pump Pressure
Drilling	8 5/8 in. at 225	239	6	14	203	
Bit Size (in.) 7 7/8	No 2	Intermediate in. at	Total Circulating Vol. 639	Pump Make & Model	Opposite Drill Collars 369	Pump Make
Drill pipe sz 4 1/2	Type XH	Production / Liner in. at	Volume in Storage Volume	BBL/ Strk 0.137	Strk / Min. 60	Bottoms Up (Min.) 24
Drill Collar size 6 1/4	Drilling mud type Chemical		BBL./Min. 8.2	GAL/Min. 345	System Total (Min.) 78	Pump Model

Sample from Flowline ___ or Pit ___	Daily Mud Cost 1,782.31	Cumulative Mud Cost 4,985.94
Flowline Temperature	Mud Properties	

Time Sample Taken	11:39 A.M.
Depth (Ft.)	3,314
Weight (lb/gal.)	9.4
Mud Gradient (psi/ft.)	0.489
Funnel Viscosity (Sec/qt. API)	29
Plastic Viscosity cp	
Yield Point (lb/100 sq.ft.)	
Gel Strength 10 sec/10 min.	
pH	6.0
Filtrate API (ml/30 min.)	NC
Cake Thickness 32nd	
Alkalinity, Mud (Pm)	
Alkalinity, Filtrate (Pf/Mf)	
Chloride Content, ppm	50,000
Calcium, ppm	Hvy
Sand Content (% by Vol)	tr
Solids Content (% by Vol.)	4.8
Oil Content (% by Vol.)	0.0
Water Content (% by Vol.)	95.2
LCM, lbs/bbl.	Nil
Reynold's #DP	
Reynold's # DC	
ECD lb/gal	

MUD PROPERTIES SPECIFICATIONS			
Mud Wt. (lbs/gal.)	Viscosity	Filtrate	LCM
9.2-9.4	44-48	8-10	As Needed

Suggest

1. Control mud wt. 9.2-9.4 w/water @ flowline
2. Displace at 3400-3500.
3. After displacement and volume tanks are in system, add 2 vis cups of Poly Plus down the pipe on connections for the next 150 ft.
4. Always Keep Hole Full!
5. Always Circulate Hole Clean Before Trips.
6. After all muds are into system, volume tanks included, mix up any muds in pit mud.

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Thank You

DRILLING MUD INVENTORY					
Products:	Prior Day	Delivery	On Hand	Used	Cost
Premium Gel	317		215	102	1,045.50
Lime	10		7	3	24.75
Soda Ash	19		13	6	114.60
Caustic Soda	16		15	1	50.51
Lignite	15		13	2	42.20
C/S Hulls	72		55	17	199.75
Drill Pak	5		4	1	305.00
Desco					
Poly Plus	2		2		
Salt Clay					
Starch					

Mud-Co / Service Mud Representative
Gary Schmidtberger

Home Address
Hays, Ks.

Telephone Number
785-625-4931

Warehouse Location
Pratt, Ks.

Telephone Number
620-672-2957

Cell: **785-259-2757**

Mud-Co / Service Mud. Inc.

100 S. Main St., Suite #310, Wichita, Ks. 67202

Report: **5**

Daily Drilling Mud Report

Date: **06/20/06** Depth: **3921**

Operator Beren Corporation	Contractor Beredco Drilling	Rig No. 10
Address Rig	Address Rig	Spud Date 06/16/06
Report for Mr. Bryon Bynog	Report for Mr. Marvin Julian	Section 16 Twp 16S Range 23W
Well Name & No. #1-16 Willa	County Ness	State Kansas

Operation		Casing		Mud Volume (BBL)		Circulation Data			
Present Activity				Hole	Pits	Liner Size	Stroke	Opposite Drill Pipe	Pump Pressure
Bit trip		8 5/8	in. at 225	314	350	6	14	182	-
Bit Size (in.)	No	Intermediate		Total Circulating Vol.		Pump Make & Model		Opposite Drill Collars	Pump Make
7 7/8	3	in. at		664		Ideco C-250		332	
Drill pipe sz	Type	Production / Liner		Volume in Storage		BB/ Strk	Strk / Min.	Bottoms Up (Min.)	Pump Model
4 1/2	XH	in. at		0		0.137	54	35	
Drill Collar size	Drilling mud type		BBL/Min.		GAL/Min.	System Total (Min)			
6 1/4	495	Chemical		7.4	311	90			

Sample from Flowline <input checked="" type="checkbox"/> or Pit <input type="checkbox"/>	Daily Mud Cost	Cumulative Mud Cost
Flowline Temperature	621.57	5,607.51
Mud Prop: Ideco C-250		

Time Sample Taken	11:15 A.M.
Depth (Ft.)	3,921
Weight (lb/gal.)	9.1
Mud Gradient (psi/ft.)	0.473
Funnel Viscosity (Sec/qt. API)	45
Plastic Viscosity cp	5
Yield Point (lb/100 sq.ft.)	19
Gel Strength 10 sec/10 min.	4/11
pH	11.0
Filtrate API (ml/30 min.)	7.2
Cake Thickness 32nd	2
Alkalinity, Mud (Pm)	0
Alkalinity, Filtrate (Pf/Mf)	2/2.7
Chloride Content, ppm	4,000
Calcium, ppm	20
Sand Content (% by Vol)	TR
Solids Content (% by Vol.)	5.3
Oil Content (% by Vol.)	0.0
Water Content (% by Vol.)	94.7
LCM, lbs/bbl.	1
Reynold's #DP	
Reynold's # DC	
ECD lb/gal	

MUD PROPERTIES SPECIFICATIONS			
Mud Wt. (lbs/gal.)	Viscosity	Filtrate	LCM
9.0-9.4	44-48	8-10	As Needed

- Suggest:
1. Gel - As needed for vis, mix with pit mud.
 2. Water - small stream while drilling
 3. Suggest 1 sx. Caustic soda and gel in pit mud for vis if needed
 4. Mix all muds in pit mud.
 5. Always Keep Hole Full!
 6. Always Circulate Hole Clean Before Trips.

THANK YOU

DRILLING MUD INVENTORY					
Products:	Prior Day	Delivery	On Hand	Used	Cost
Premium Gel	215		170	45	461.25
Lime	7		7		
Soda Ash	13		11	2	38.20
Caustic Soda	15		13	2	101.02
Lignite	13		12	1	21.10
C/S Hulls	55		55		
Drill Pak	4		4		
Desco					
Poly Plus	2		2		
Salt Clay					
Starch					

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Mud-Co / Service Mud Representative Gary Schmidtberger	Home Address Hays, Ks.	Telephone Number 785-625-4931
Cell: 785-259-2757	Warehouse Location Pratt, Ks.	Telephone Number 620-672-2957

Mud-Co / Service Mud. Inc.

100 S. Main St., Suite #310, Wichita, Ks. 67202

Report: **6**

Daily Drilling Mud Report

Date: **06/21/06** Depth: **4330**

Operator Beren Corporation	Contractor Beredco Drilling	Rig No. 10
Address Rig	Address Rig	Spud Date 06/16/06
Report for Mr. Bryon Bynog	Report for Mr. Marvin Julian	Section 16 Twp 16S Range 23W
Well Name & No. #1-16 Willa	County Ness	State Kansas

Operation Present Activity Drig.	Casing 8 5/8 in. at 225	Mud Volume (BBL) Hole 346 Pits 400	Circulation Data			
Bit Size (in.) 7 7/8	No 1	Total Circulating Vol. 746	Liner Size 6	Stroke 14	Opposite Drill Pipe 203	Pump Pressure -
Drill pipe sz 4 1/2	Type XH	Volume in Storage 80	Pump Make & Model Ideco C-250	Opposite Drill Collars 369		Pump Make
Drill Collar size 6 1/4	495	Drilling mud type Chemical	BBL/Strk 0.137	Strk / Min. 60	Bottoms Up (Min.) 35	Pump Model
		BBL/Min. 8.2	GAL/Min. 345	System Total (Min) 91		

Sample from Flowline <u> </u> or Pit	Daily Mud Cost 295.97	Cumulative Mud Cost 5,903.48
Flowline Temperature	Mud Properties	

Time Sample Taken	10:00 A.M.
Depth (Ft.)	4,330
Weight (lb/gal.)	9.4
Mud Gradient (psi/ft.)	0.489
Funnel Viscosity (Sec/qt. API)	52
Plastic Viscosity cp	10
Yield Point (lb/100 sq.ft.)	23
Gel Strength 10 sec/10 min.	7/18
pH	10.5
Filtrate API (ml/30 min.)	8.0
Cake Thickness 32nd	2
Alkalinity, Mud (Pm)	0
Alkalinity, Filtrate (Pf/Mf)	1/1.6
Chloride Content, ppm	4,000
Calcium, ppm	80
Sand Content (% by Vol)	TR
Solids Content (% by Vol.)	7.5
Oil Content (% by Vol.)	0.0
Water Content (% by Vol.)	92.5
LCM, lbs/bbl.	1
Reynold's #DP	
Reynold's # DC	
ECD lb/gal	

MUD PROPERTIES SPECIFICATIONS			
Mud Wt. (lbs/gal.)	Viscosity	Filtrate	LCM
9.0-9.4	46-50	8-10	1-2 ppb.

Suggest:

1. Gel - As needed for vis, mix with pit mud.
2. Water - small stream while drilling
3. Suggest treatment in 80 bbls. Of fresh water:
25 sx. Gel
3 sx. Soda ash
1 sx. Caustic soda
1 sx. Lignite
1/4 sx. Pac
5 sx. c/s hulls
4. LCM as needed.
5. Always Keep Hole Full!
6. Always Circulate Hole Clean Before Trips.
7. If it pulls tight on connections, add 1-2 vis cups of Poly Plus down the pipe.

THANK YOU

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* Reserve pit chlorides: 41,000 ppm.

DRILLING MUD INVENTORY					
Products:	Prior Day	Delivery	On Hand	Used	Cost
Premium Gel	170		157	13	133.25
Lime	7		7		
Soda Ash	11		9	2	38.20
Caustic Soda	13		11	2	101.02
Lignite	12		12		
C/S Hulls	55		53	2	23.50
Drill Pak	4		4		
Desco					
Poly Plus	2		2		
Salt Clay					
Starch					

Mud-Co / Service Mud Representative
Gary Schmidtberger

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Mud-Co / Service Mud. Inc.

100 S. Main St., Suite #310, Wichita, Ks. 67202

Report: **7**

Daily Drilling Mud Report

Date: **06/22/06** Depth: **4415**

Operator Beren Corporation	Contractor Beredco Drilling	Rig No. 10
Address Rig	Address Rig	Spud Date 06/16/06
Report for Mr. Bryon Bynog	Report for Mr. Marvin Julian	Section 16 Twp 16S Range 23W
Well Name & No. #1-16 Willa	County Ness	State Kansas

Operation	Casing	Mud Volume (BBL)	Circulation Data			
Present Activity	Hole	Pits	Liner Size	Stroke	Opposite Drill Pipe	Pump Pressure
Trip out	8 5/8 in. at 225	318	6	14	203	-
Bit Size (in.) 7 7/8 No.	Intermediate in. at	Total Circulating Vol. 718	Pump Make & Model Ideco-C-250	Opposite Drill Collars 369	Pump Make	
Drill pipe sz 4 1/2 Type XH	Production / Liner in. at	Volume in Storage Volume	BBI/ Strk 0.137	Strk / Min. 60	Bottoms Up (Min.) 32	Pump Model
Drill Collar size 6 1/4 495	Drilling mud type Mud Type		BBL/Min. 8.2	GAL/Min. 345	System Total (Min) 87	

Sample from Flowline ___ or Pit ___	Daily Mud Cost 995.62	Cumulative Mud Cost 6,899.10
Flowline Temperature	Mud Properties	

Time Sample Taken	11:45 A.M.
Depth (Ft.)	4,415
Weight (lb/gal.)	9.2
Mud Gradient (psi/ft.)	0.478
Funnel Viscosity (Sec/qt. API)	58
Plastic Viscosity cp	11
Yield Point (lb/100 sq.ft.)	27
Gel Strength 10 sec/10 min.	11/21
pH	10.5
Filtrate API (ml/30 min.)	7.4
Cake Thickness 32nd	2
Alkalinity, Mud (Pm)	0
Alkalinity, Filtrate (Pf/Mf)	1.5/1.9
Chloride Content, ppm	5,000
Calcium, ppm	20
Sand Content (% by Vol)	Tr
Solids Content (% by Vol.)	6.0
Oil Content (% by Vol.)	0.0
Water Content (% by Vol.)	94.0
LCM, lbs/bbl.	1
Reynold's #DP	1,150
Reynold's # DC	2,338
ECD lb/gal	

MUD PROPERTIES SPECIFICATIONS			
Mud Wt.(lbs/gal.)	Viscosity	Filtrate	LCM
9.0-9.4	46-50	8-10cc	1-2 ppb

Suggest:

1. Keep water running at flowline to control mud wt.
2. Add 1 sx. Caustic soda if needed for vis.
3. If vis is needed mix up 1 sx. Caustic soda and gel in pit mud.
4. Always Keep Hole Full!
5. Always Circulate Hole Clean Before Trips.
6. If hole pulls tight on connections, add 1-2 vis cups of Poly Plus down the pipe on connections.

THANK YOU

DRILLING MUD INVENTORY					
Products:	Prior Day	Delivery	On Hand	Used	Cost
Premium Gel	157		112	45	461.25
Lime	7		7		
Soda Ash	9		4	5	95.50
Caustic Soda	11		9	2	101.02
Lignite	12		11	1	21.10
C/S Hulls	53		52	1	11.75
Drill Pak	4		3	1	305.00
Desco					
Poly Plus	2		2		
Salt Clay					
Starch					

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Mud-Co / Service Mud. Inc.

400 S. Main St., Suite #310, Wichita, Ks. 67202

Report: **8**

Daily Drilling Mud Report

Date: **06/23/06** Depth: **4438**

Operator Beren Corporation	Contractor Beredco Drilling	Rig No. 10
Address Rig	Address Rig	Spud Date 06/16/06
Report for Mr. Bryon Bynog	Report for Mr. Marvin Julian	Section 16 Twp 16S Range 23W
Well Name & No. #1-16 Willa	County Ness	State Kansas

Operation	Casing	Mud Volume (BBL)	Circulation Data				
Present Activity	Hole	Pits	Liner Size	Stroke	Opposite Drill Pipe	Pump Pressure	
TOH F/Dst#3	8 5/8 in. at 225	320	6	14	203	-	
Bit Size (in.) 7 7/8	No No.	Intermediate in. at	Total Circulating Vol. 720	Pump Make & Model	Opposite Drill Collars 369	Pump Make	
Drill pipe sz 4 1/2	Type XH	Production / Liner in. at	Volume in Storage Volume	BBL/ Strk 0.137	Strk / Min. 60	Bottoms Up (Min.) 39	Pump Model
Drill Collar size 6 1/4	495	Drilling mud type Chemical	BBL./Min. 8.2	GAL/Min. 345	System Total (Min) 88		

Sample from Flowline _ x	Daily Mud Cost 208.10	Cumulative Mud Cost 7,107.20
Flowline Temperature	Mud Properties	

Time Sample Taken	7:00am
Depth (Ft.)	4,438
Weight (lb/gal.)	9.1
Mud Gradient (psi/ft.)	0.473
Funnel Viscosity (Sec/qt. API)	40
Plastic Viscosity cp	10
Yield Point (lb/100 sq.ft.)	11
Gel Strength 10 sec/10 min.	8/23
pH	10.0
Filtrate API (ml/30 min.)	8.8
Cake Thickness 32nd	1
Alkalinity, Mud (Pm)	
Alkalinity, Filtrate (Pf/Mf)	.4+-
Chloride Content, ppm	3,000
Calcium, ppm	40
Sand Content (% by Vol)	trc
Solids Content (% by Vol.)	5.5
Oil Content (% by Vol.)	
Water Content (% by Vol.)	94.5
LCM, lbs/bbl.	
Reynold's #DP	2,635
Reynold's # DC	4,133
ECD lb/gal	

MUD PROPERTIES SPECIFICATIONS			
Mud Wt. (lbs/gal.)	Viscosity	Filtrate	LCM
9.0-9.4	45-50	8-10cc	1-2#

Suggest:

Run small stream of water to control mud wt.

Vis 45-50 with gel in pitmud premix with
1 soda ash
1 caustic Add over 1 1/2 hours
gel for vis

LCM: Maintain 1-2#/bbl with hulls

50+vis for logs

Thank you

DRILLING MUD INVENTORY					
Products:	Prior Day	Delivery	On Hand	Used	Cost
Premium Gel	112		97	15	153.75
Lime	7		7		
Soda Ash	4		3	1	19.10
Caustic Soda	9		9		
Lignite	11		11		
C/S Hulls	52		49	3	35.25
Drill Pak	3		3		
Desco					
Poly Plus	2		2		
Salt Clay					
Starch					

Mud-Co / Service Mud Representative Jody Dietz	Home Address Pratt, Ks	Telephone Number 620-672-2682
Cell: 620-770-0607	Warehouse Location Pratt, Ks.	Telephone Number 620-672-2957

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Mud-Co / Service Mud. Inc.

100 S. Main St., Suite #310, Wichita, Ks. 67202

Report: **9**

Daily Drilling Mud Report

Date: **06/23/06** Depth: **4594**

Operator Beren Corporation		Contractor Beredco Drilling		Rig No. 10	
Address Rig		Address Rig		Spud Date 06/16/06	
Report for Mr. Bryon Bynog		Report for Mr. Marvin Julian		Section 16	Twp 16S
Well Name & No. #1-16 Willa		County Ness		State Kansas	

Operation		Casing		Mud Volume (BBL)		Circulation Data			
Present Activity				Hole	Pits	Liner Size	Stroke	Opposite Drill Pipe	Pump Pressure
Drilling		8 5/8	in. at 225	331	400	6	14	203	-
Bit Size (in.)	No	Intermediate		Total Circulating Vol.		Pump Make & Model		Opposite Drill Collars	Pump Make
7 7/8	2	in. at		731				369	
Drill pipe sz	Type	Production / Liner		Volume in Storage		BBL/ Strk	Strk / Min.	Bottoms Up (Min.)	Pump Model
4 1/2	XH	in. at		Volume		0.137	60	40	
Drill Collar size		Drilling mud type		BBL/Min.	GAL/Min.	System Total (Min)			
6 1/4	495	Chemical		8.2	345	89			

Sample from Flowline _x		Daily Mud Cost	786.04	Cumulative Mud Cost	7,893.24
Flowline Temperature		Mud Properties			

Time Sample Taken	6:50am
Depth (Ft.)	4,594
Weight (lb/gal.)	9.3
Mud Gradient (psi/ft.)	0.484
Funnel Viscosity (Sec/qt. API)	49
Plastic Viscosity cp	13
Yield Point (lb/100 sq.ft.)	18
Gel Strength 10 sec/10 min.	12/40
pH	10.0
Filtrate API (ml/30 min.)	8.0
Cake Thickness 32nd	1
Alkalinity, Mud (Pm)	.3+
Alkalinity, Filtrate (Pf/Mf)	
Chloride Content, ppm	3,000
Calcium, ppm	40
Sand Content (% by Vol)	trc
Solids Content (% by Vol.)	6.8
Oil Content (% by Vol.)	
Water Content (% by Vol.)	93.2
LCM, lbs/bbl.	1/2#
Reynold's #DP	1,698
Reynold's # DC	2,872
ECD lb/gal	

MUD PROPERTIES SPECIFICATIONS			
Mud Wt. (lbs/gal.)	Viscosity	Filtrate	LCM
9.0-9.4	46-50	8-10cc	1-2#

Suggest:

Run small stream of water at sample box to control mud wt.

Vis 46-50 with gel in pitmud premix
 1 soda
 1 caustic Mix if needed only
 1 lignite for vis
 1/4sx Pac
 gel for vis

LCM 1-2#/bbl with hulls

Daylights just maintain wt. and vis
 No need to mess with mud

If vis needed for logs pick up all pitmud and thicken with gel.

Keep hole full

Thank you

DRILLING MUD INVENTORY					
Products:	Prior Day	Delivery	On Hand	Used	Cost
Premium Gel	97		66	31	317.75
Lime	7		7		
Soda Ash	3		2	1	19.10
Caustic Soda	9		4	5	252.55
Lignite	11		11		
C/S Hulls	49		45	4	47.00
Drill Pak	3		3		
Desco					
Poly Plus	2		1	1	149.64
Salt Clay					
Starch					

AUG 03 2006
KCC WICHITA

Mud-Co / Service Mud Representative
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