

ORIGINAL

CONFIDENTIAL

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

Handwritten initials and date: KCC 7/31/08

Form ACO-1
September 1999
Form Must Be Typed
7/28/10

Operator: License # 5363
Name: Berexco Inc.
Address: PO Box 20380
City/State/Zip: Wichita, KS 67208
Purchaser: N/A
Operator Contact Person: Jeremy Ensz
Phone: (316) 265-3311
Contractor: Name: Beredco Inc.
License: 5147
Wellsite Geologist: Bryan Bynog
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 Enhnr./SWD
[ ] Plug Back [ ] Plug Back Total Depth
[ ] Commingled [ ] Docket No.
[ ] Dual Completion [ ] Docket No.
[ ] Other (SWD or Enhnr.?) [ ] Docket No.
6/4/08 6/13/08 6/14/08
Spud Date or 6/13/08 Date Reached TD Completion Date or
Recompletion Date 6/14/08 Recompletion Date

API No. 15 - 083-21556-0050
County: Hodgeman
NE SE NE Sec. 6 Twp. 22 S. R. 23 [ ] East [x] West
1930 FNL feet from S / N (circle one) Line of Section
330 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: Maudene Well #: 1
Field Name: N/A
Producing Formation: N/A
Elevation: Ground: 2390 Kelly Bushing: 2401
Total Depth: 4852 4750 Plug Back Total Depth: N/A
Amount of Surface Pipe Set and Cemented at 286 Feet
Multiple Stage Cementing Collar Used? [ ] Yes [x] No
If yes, show depth set Feet
If Alternate II completion, cement circulated from
feet depth to w/ sx cmt.

Handwritten notes: Per CP 23 dr. in sup. KCC 8/12/08

Drilling Fluid Management Plan PA 116-2870
(Data must be collected from the Reserve Pit)
Chloride content 19000 ppm Fluid volume 1200 bbls
Dewatering method used Evaporation
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: District Engineer Date: 7/5/08
Subscribed and sworn to before me this 8th day of July
20 08
Notary Public: Diana E Bell
Date Commission Expires: Aug 10, 2011

KCC Office Use ONLY
Letter of Confidentiality Received
If Denied, Yes [ ] Date:
Wireline Log Received
Geologist Report Received RECEIVED
KANSAS CORPORATION COMMISSION
UIC Distribution
JUL 30 2008

DIANA E. BELL
Notary Public - State of Kansas
My Appt. Expires 8-10-11

CONSERVATION DIVISION
WICHITA, KS

Operator Name: Berexco Inc. Lease Name: Maudene Well #: 1  
 Sec. 6 Twp. 22 S. R. 23  East  West County: Hodgeman

**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:

<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
	Name Top Datum	
	Anhydrite 1668 +733	
	Heebner 3969 -1568	
	Lansing 4020 -1619	
	BKC 4397 -1996	
	Pawnee 4474 -2093	
	Ft. Scott 4559 -2158	
	Cherokee Shale 4582 -2181	
	Mississippi 4656 -2255	

**CONFIDENTIAL**  
 DIL, CNL/CDL, MEL, BHCS  
 JUL 28 2008

KCC

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	12.25"	8-5/8	20	286'	common	175	3% cc, 2% gel

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				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type		Acid, Fracture, Shot, Cement Squeeze Record	
	Specify Footage of Each Interval Perforated		(Amount and Kind of Material Used)	
				Depth

TUBING RECORD		Size	Set At	Packer At	Liner Run
N/A					<input type="checkbox"/> Yes <input type="checkbox"/> No
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.  Dually Comp.  Commingled  Other (Specify) \_\_\_\_\_

Production Interval \_\_\_\_\_

**RECEIVED**  
 KANSAS CORPORATION COMMISSION

**JUL 30 2008**

CONSERVATION DIVISION  
 WICHITA, KS

# ALLIED CEMENTING CO., INC.

25679

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

SERVICE POINT: Ness City

DATE <u>6-4-08</u>	SEC. <u>6</u>	TWP. <u>22S</u>	RANGE <u>23W</u>	CALLED OUT <u>8:00pm</u>	ON LOCATION <u>9:30pm</u>	JOB START <u>1:08 AM</u>	JOB FINISH <u>2:00 AM</u>
LEASE <u>Maudine</u>		WELL # <u>1</u>	LOCATION <u>Jetmore H/V TO R.D @ 1E</u>			COUNTY <u>Hodgeman</u>	STATE <u>KS</u>
<input checked="" type="radio"/> OLD OR <input checked="" type="radio"/> NEW (Circle one)			<u>1 1/2 N W/INTO</u>				

CONTRACTOR <u>Beredco Rig 10</u>	OWNER <u>Berexco inc</u>
TYPE OF JOB <u>SURFACE</u>	
HOLE SIZE <u>12 1/4</u>	T.D. <u>286.53'</u>
CASING SIZE <u>8 7/8</u>	DEPTH <u>286.53'</u>
TUBING SIZE	DEPTH
DRILL PIPE <u>4 1/4</u>	DEPTH
TOOL	DEPTH <u>CONFIDENTIAL</u>
PRES. MAX <u>200</u>	MINIMUM <u>JUL 20 2008</u>
MEAS. LINE	SHOE JOINT <u>15'</u>
CEMENT LEFT IN CSG. <u>15'</u>	<u>KCC</u>
PERFS.	
DISPLACEMENT <u>FRESH WATER 17 B BLS</u>	

CEMENT			
AMOUNT ORDERED	<u>175sx</u>		
	<u>285 sx common +</u>		
	<u>9000 lb 3 1/2 cc + 2 1/2 GEL</u>		
COMMON	<u>175sf</u>	@ <u>12.30</u>	<u>2152.50</u>
POZMIX		@	
GEL	<u>3sf</u>	@ <u>18.40</u>	<u>55.20</u>
CHLORIDE	<u>5sf</u>	@ <u>51.50</u>	<u>257.50</u>
ASC		@	
		@	
		@	
		@	
		@	
		@	
		@	
		@	
HANDLING	<u>183.04</u>	@ <u>2.10</u>	<u>384.30</u>
MILEAGE	<u>183.04</u>	@ <u>24</u>	<u>395.28</u>
			<u>TOTAL 3244.78</u>

PUMP TRUCK	CEMENTER <u>Dwayne W - <del>744</del></u>
# <u>181</u>	HELPER <u>Gailen D</u>
BULK TRUCK	
# <u>341</u>	DRIVER <u>Carl S</u>
BULK TRUCK	
#	DRIVER

REMARKS:

pipe on bottom break circulation pump 175sx common + 3 1/2 cc + 2 1/2 GEL SHUT DOWN released plug and DISP WITH 17 B BLS OF FRESH WATER SHUT IN CEMENT DID CIRCULAR

SERVICE

DEPTH OF JOB	<u>286.53'</u>		
PUMP TRUCK CHARGE			<u>900.00</u>
EXTRA FOOTAGE		@	
MILEAGE	<u>24</u>	@ <u>7.00</u>	<u>168.00</u>
MANIFOLD	<u>Head Rent</u>	@ <u>11.00</u>	<u>11.00</u>
		@	
		@	

CHARGE TO: Berexco inc

RECEIVED JUN 13 2008  
KANSAS CORPORATION COMMISSION

TOTAL 1179.00

STREET \_\_\_\_\_  
CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

JUL 30 2008

CONSERVATION DIVISION  
WICHITA, KS

PLUG & FLOAT EQUIPMENT

<u>1-8 5/8 wooden plug</u>	@ <u>67.00</u>	<u>67.00</u>
	@	
	@	
	@	
	@	
	@	
		<u>TOTAL 67.00</u>

TAX \_\_\_\_\_  
TOTAL CHARGE \_\_\_\_\_  
DISCOUNT \_\_\_\_\_ IF PAID IN 30 DAYS

THANK YOU

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 x Mavis B. Julian

SIGNATURE x Mavis B. Julian  
PRINTED NAME

# ALLIED CEMENTING CO., LLC. 33030

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

SERVICE POINT:  
Ness City

DATE <u>6-14-08</u>	SEC. <u>6</u>	TWP. <u>22S</u>	RANGE <u>25W</u>	CALLED OUT <u>4:00 PM</u>	ON LOCATION <u>8:30 PM</u>	JOB START <u>6:30 AM</u>	JOB FINISH <u>7:00 AM</u>
LEASE <u>maudine</u>	WELL # <u>1</u>	LOCATION <u>Jetmore 4N to Rd Q 1E</u>			COUNTY <u>Hodgeman</u>	STATE <u>KS</u>	
OLD OR <input checked="" type="radio"/> NEW (Circle one)		<u>1 1/2 N W/5</u>					

CONTRACTOR Beredco #10

TYPE OF JOB Rotary plug

HOLE SIZE 7 7/8" T.D. 4850'

CASING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_

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

DRILL PIPE 4 1/2" DEPTH 1700'

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

PRES. MAX 200# MINIMUM 0

MEAS. LINE \_\_\_\_\_ SHOE JOINT \_\_\_\_\_

OWNER Berexco

CEMENT

AMOUNT ORDERED 225 5x 60/40 4% Gel  
1/4 # Flo-seal

CEMENT LEFT IN CSG. \_\_\_\_\_

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

DISPLACEMENT Freshwater + mud

EQUIPMENT CONFIDENTIAL  
JUL 28 2008

COMMON	<u>135 cu. @</u>	<u>12.30</u>	<u>1660.50</u>
POZMIX	<u>90 cu. @</u>	<u>6.85</u>	<u>616.50</u>
GEL	<u>8 cu. @</u>	<u>18.40</u>	<u>147.20</u>
CHLORIDE	@		
ASC	@		
<u>FLO SEAL 56#</u>	<u>@</u>	<u>2.20</u>	<u>123.20</u>
	@		
	@		
	@		
	@		
	@		
	@		
HANDLING	<u>235 cu @</u>	<u>2.10</u>	<u>493.50</u>
MILEAGE	<u>235 cu @</u>	<u>2.14</u>	<u>501.00</u>
TOTAL			<u>3548.50</u>

PUMP TRUCK # 181 CEMENTER Rick H. HELPER Carl S.

BULK TRUCK # 344 DRIVER Kevin W.

BULK TRUCK # \_\_\_\_\_ DRIVER Gailen D.

**REMARKS:**

1700' - 565x  
830' - 805x  
310' - 505x  
60' - 205x Cement did Circulate  
Rathole - 155x  
Monsehole - 105x

KCC

225 5x 60/40 4% Gel 1/4 # Flo-seal

**SERVICE**

DEPTH OF JOB	<u>1700'</u>		
PUMP TRUCK CHARGE			<u>900.00</u>
EXTRA FOOTAGE	@		
MILEAGE	<u>24 @</u>	<u>7.00</u>	<u>168.00</u>
MANIFOLD	@		
	@		
	@		
TOTAL			<u>1068.00</u>

CHARGE TO: Berexco

STREET \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_

RECEIVED  
KANSAS CORPORATION COMMISSION

JUL 30 2008

CONSERVATION DIVISION  
WICHITA, KS

**PLUG & FLOAT EQUIPMENT**

_____	@		
_____	@		
_____	@		
_____	@		
_____	@		
TOTAL			_____

To Allied Cementing Co., LLC.  
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) 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 and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

SALES TAX (If Any) \_\_\_\_\_

TOTAL CHARGES \_\_\_\_\_

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

PRINTED NAME X Charles Schniepp

SIGNATURE X Charles Schniepp

JUL 28 2008

**BEREXCO, INC.  
MAUDENE #1  
NESENE SECTION 6 T22S-R23W  
HODGEMAN COUNTY, KANSAS**

CONFIDENTIAL

JUL 28 2008

KCC

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KANSAS CORPORATION COMMISSION

JUL 30 2008

CONSERVATION DIVISION  
WICHITA, KS

**GEOLOGIST  
WILLIAM B. BYNOG**

## RESUME

OPERATOR: BEREXCO, INC.

WELL NAME & NUMBER: MAUDENE # 1

LOCATION: NESENE SECTION 6 T22N-R23W

COUNTY: HODGEMAN

STATE: KANSAS

SPUD DATE: 6-4-2008 COMPLETION DATE: 6-14-2008

ELEVATIONS: GL: 2390' KB: 2401'

CONTRACTOR: BEREDCO RIG 10

LOGS: LOG TECH TYPES: DIL, DENSITY-NEUTRON,  
MICROLOG & SONIC  
ENGINEER: B. BECKER

WELLSITE ENGINEER: NONE

MUD COMPANY: MUD CO. MUD

MUD TYPE & ENGINEER: FRESH CHEMICAL: JODY DIETZ

GEOLOGIST: WILLIAM B. BYNOG

HOLE SIZE: 7 7/8

MUD LOGGING BY: EARTH TECH

DRILL STEM TEST COMPANY: TRILOBITE TESTING

DRILL STEM TEST: DST#1 4568-93, DST#2 4656-80

WELL STATUS: DRY HOLE

## SUMMARY AND CONCLUSION

Maudene # 1 was a Mississippian Test drilled a total depth of 4850 feet testing the Lansing Kansas City, Pawnee, Fort Scott and Mississippi Formations. Our primary objectives were the Fort Scott and Mississippian, secondary the Lansing Kansas City. This Prospect was drilled using 3D seismic.

A gas detection unit was used in order to help identify potential productive zones. There were no hydrocarbon shows in the upper Lansing Kansas City, Marmaton or Pawnee sections only small gas increases from carbonaceous shales.

The Fort Scott at 4576-80 feet had a small gas increase and was associated with a poor drilling break. This zone was a Limestone with poor to fair vuggy porosity, spotty to even stain and a good cut. Drill stem test # 1 recovered only 60 feet of mud, no shows. Drilling continued to the Mississippian.

The Upper Mississippian porosity zone at 4660-80 was primarily a dolomite with poor intercrystalline and vuggy porosity development, spotty stain and a poor cut. Drill stem test # 2 recovered only 1 foot of drilling mud.

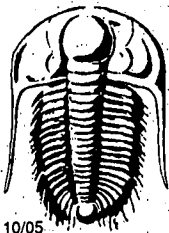
Logs agreed with sample evaluation recording porous but wet zones in the upper Lansing Kansas City and tight zones in the Fort Scott and Upper Mississippian sections.

A decision was made to plug and abandon due to the lack of porosity development in the Upper Mississippian.

## FORMATION TOPS

FORMATION	DEPTH (LOGS)
STONE CORRAL	1668(+733)
TOPEKA	
35' ZONE	
PLATTSMOUTH	
HEEBNER	3968(-1567)
TORONTO	3988(-1587)
LANSING A	4020(-1619)
SWOPE	4282(-1881)
HERTHA	4323(-1922)
BKC	4396(-1995)
MARMATON	4404(-2003)
PAWNEE	4468(-2067)
FORT SCOTT	4558(-2157)
CHEROKEE	4586(-2185)
MISSISSIPPI	4648(-2247)





# TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

31328

## Test Ticket

Well Name & No. Maudene #1 Test No. 1 Date 6-10-08  
 Company Berexco INC Zone Tested Ft. Scott  
 Address P.O. Box 20380 Wichita, KS 67208 Elevation 2401 KB 2390 GL  
 Co. Rep / Geo. Bryan Bryan Rig Berdco #10  
 Location: Sec. 6 Twp. 22S Rge. 23W Co. Hodgeman State KS  
 Comment: \_\_\_\_\_ Release date / time: \_\_\_\_\_

Interval Tested 4568 4593 Initial Str Wt./Lbs. 50,000 Unseated Str Wt./Lbs. 50,000  
 Anchor Length \_\_\_\_\_ Wt. Set Lbs. 30,000 Wt. Pulled Loose/Lbs. 80,000  
 Top Packer Depth \_\_\_\_\_ Tool Weight 1500  
 Bottom Packer Depth \_\_\_\_\_ Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓  
 Total Depth \_\_\_\_\_ Wt. Pipe Run \_\_\_\_\_ Drill Collar Run 232  
 Mud Wt. 9.2 LCM 1 Vis. 46 WL 9.2 Drill Pipe Size 4" FH Ft. Run 4324  
 Blow Description IF: 2" blow died in 10 min.  
IS: No return.  
FF: NO blow.  
FS: No return.

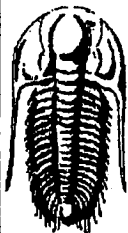
Recovery - Total Feet 60 GIP \_\_\_\_\_ Ft. in DC 60 Ft. in DP \_\_\_\_\_  
 Rec. 60 Feet of mad %gas \_\_\_\_\_ %oil \_\_\_\_\_ %water 100 %mud \_\_\_\_\_  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_ %gas \_\_\_\_\_ %oil \_\_\_\_\_ %water \_\_\_\_\_ %mud \_\_\_\_\_  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_ %gas \_\_\_\_\_ %oil \_\_\_\_\_ %water \_\_\_\_\_ %mud \_\_\_\_\_  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_ %gas \_\_\_\_\_ %oil \_\_\_\_\_ %water \_\_\_\_\_ %mud \_\_\_\_\_  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_ %gas \_\_\_\_\_ %oil \_\_\_\_\_ %water \_\_\_\_\_ %mud \_\_\_\_\_  
 BHT 129 °F Gravity \_\_\_\_\_ °API D @ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API  
 RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm Recovery \_\_\_\_\_ Chlorides 6200 ppm System

	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud		<u>2311</u> PSI	<u>6769</u>	X <u>1300.00</u>
(B) First Initial Flow Pressure		<u>47</u> PSI	(depth) <u>4569</u>	Jars X <u>250.00</u>
(C) First Final Flow Pressure		<u>48</u> PSI	Recorder No. <u>6772</u>	Safety Jt. X <u>75.00</u>
(D) Initial Shut-In Pressure		<u>169</u> PSI	(depth) <u>4570</u>	Circ Sub X <u>N/C</u>
(E) Second Initial Flow Pressure		<u>47</u> PSI	Recorder No. _____	Sampler _____
(F) Second Final Flow Pressure		<u>48</u> PSI	(depth) _____	Straddle _____
(G) Final Shut-In Pressure		<u>100</u> PSI	Initial Opening <u>30</u>	Ext. Packer _____
(Q) Final Hydrostatic Mud		<u>2236</u> PSI	Initial Shut-In <u>30</u>	Shale Packer _____

TRILOBITE TESTING INC. SHALL NOT BE LIABLE FOR DAMAGED OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

Approved By [Signature] T-Started 1:00  
 Our Representative [Signature] T-Open 6:04  
 T-Pulled 7:49  
 T-Out 10:20

Final Flow 15  
 Final Shut-In 30  
 T-On Location 19:10  
 Sub Total: \_\_\_\_\_  
 Std. By X 500.00  
 Acc. Chg: \_\_\_\_\_  
 Other: \_\_\_\_\_  
 Total: \_\_\_\_\_



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Berexco Inc  
 P.O. Box 20380  
 Wichita, KS 67208  
 ATTN: Bryan Bynog

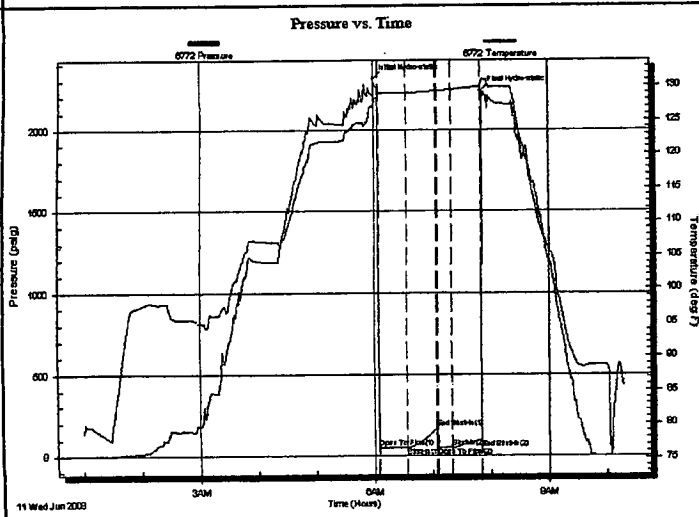
**Maudene #1**  
**6-22s-23w Hodgeman**  
 Job Ticket: 31328 **DST#: 1**  
 Test Start: 2008.06.11 @ 01:00:42

## GENERAL INFORMATION:

Formation: **Ft. Scott**  
 Deviated: No Whipstock ft (KB)  
 Test Type: Conventional Bottom Hole  
 Time Tool Opened: 06:04:52 Tester: Brandon Turley  
 Time Test Ended: 10:17:52 Unit No: 35  
 Interval: **4568.00 ft (KB) To 4593.00 ft (KB) (TVD)** Reference Elevations: 2401.00 ft (KB)  
 Total Depth: 4593.00 ft (KB) (TVD) 2390.00 ft (CF)  
 Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 11.00 ft

**Serial #: 6772 Outside**  
 Press@RunDepth: 48.53 psig @ 4569.00 ft (KB) Capacity: 7000.00 psig  
 Start Date: 2008.06.11 End Date: 2008.06.11 Last Calib.: 2008.06.11  
 Start Time: 01:00:42 End Time: 10:17:52 Time On Btrr: 2008.06.11 @ 06:00:21  
 Time Off Btrr: 2008.06.11 @ 07:51:06

**TEST COMMENT:** IF: 2' blow died in 10 min.  
 IS: No return.  
 FF: No blow.  
 FS: No return.



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2311.53	127.25	Initial Hydro-static
5	47.37	128.62	Open To Flow (1)
34	48.03	129.02	Shut-In(1)
65	169.88	129.36	End Shut-In(1)
65	47.97	129.32	Open To Flow (2)
80	48.53	129.51	Shut-In(2)
111	100.48	129.99	End Shut-In(2)
111	2236.79	130.67	Final Hydro-static

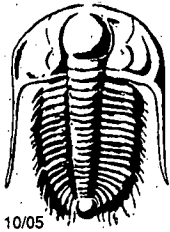
## Recovery

Length (ft)	Description	Volume (bbl)
60.00	mud 100% m	0.30

## Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)





# TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

31329

## Test Ticket

Well Name & No. Maudene #1 Test No. 2 Date 6-12-08  
 Company Berexco Inc. Zone Tested MISS  
 Address P.O. Box 20380 Wichita, KS 67208 Elevation 2401 KB 2390 GL  
 Co. Rep / Geo. Bryan Bynog Rig Berexco #10  
 Location: Sec. 6 Twp. 22S Rge. 23W Co. Hodgeman State KS  
 Comment: \_\_\_\_\_ Release date / time: \_\_\_\_\_

Interval Tested 4656 4680 Initial Str Wt./Lbs. 50,000 Unseated Str Wt./Lbs. 50,000  
 Anchor Length \_\_\_\_\_ 24 Wt. Set Lbs. 30,000 Wt. Pulled Loose/Lbs. 80,000  
 Top Packer Depth \_\_\_\_\_ 4651 Tool Weight 1500  
 Bottom Packer Depth \_\_\_\_\_ 4656 Hole Size 7 7/8"  Rubber Size 6 3/4"   
 Total Depth \_\_\_\_\_ 4680 Wt. Pipe Run \_\_\_\_\_ Drill Collar Run 232  
 Mud Wt. 9.2 LCM 1 Vis. 46 WL 9.2 Drill Pipe Size 4" FA Ft. Run 4407  
 Blow Description IF 1/4 blow died in 7 min.

IS: No return,  
FF: No blow.  
FS: No return.

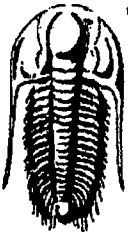
Recovery - Total Feet 1 GIP \_\_\_\_\_ Ft. in DC 1 Ft. in DP \_\_\_\_\_  
 Rec. \_\_\_\_\_ Feet of mud %gas \_\_\_\_\_ %oil \_\_\_\_\_ %water 100 %mud  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_ %gas \_\_\_\_\_ %oil \_\_\_\_\_ %water \_\_\_\_\_ %mud  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_ %gas \_\_\_\_\_ %oil \_\_\_\_\_ %water \_\_\_\_\_ %mud  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_ %gas \_\_\_\_\_ %oil \_\_\_\_\_ %water \_\_\_\_\_ %mud  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_ %gas \_\_\_\_\_ %oil \_\_\_\_\_ %water \_\_\_\_\_ %mud  
 BHT 126 °F Gravity \_\_\_\_\_ °API D @ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API  
 RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm Recovery \_\_\_\_\_ Chlorides 6200 ppm System

	AK-1	Alpine	Recorder No.	
(A) Initial Hydrostatic Mud	<u>2356</u>	PSI	<u>6769</u>	Test <u>1300.00</u>
(B) First Initial Flow Pressure	<u>14</u>	PSI	<u>4657</u>	Jars <u>250.00</u>
(C) First Final Flow Pressure	<u>16</u>	PSI	<u>6772</u>	Safety Jt. <u>75.00</u>
(D) Initial Shut-In Pressure	<u>21</u>	PSI	<u>4658</u>	Circ Sub <u>N/C</u>
(E) Second Initial Flow Pressure	<u>15</u>	PSI		Sampler _____
(F) Second Final Flow Pressure	<u>16</u>	PSI		Straddle _____
(G) Final Shut-In Pressure	<u>23</u>	PSI	<u>15</u>	Ext. Packer _____
(Q) Final Hydrostatic Mud	<u>2325</u>	PSI	<u>30</u>	Shale Packer _____

TRILOBITE TESTING INC. SHALL NOT BE LIABLE FOR DAMAGED OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

Approved By [Signature]  
 Our Representative [Signature]

Initial Opening	<u>15</u>	Ruined Packer	_____
Initial Shut-In	<u>30</u>	Mileage	<u>156-234.00</u>
Final Flow	<u>30</u>	Sub Total:	_____
Final Shut-In	<u>60</u>	Std. By	_____
T-On Location	<u>7:15</u>	Acc. Chg:	_____
T-Started	<u>8:04</u>	Other:	_____
T-Open	<u>10:12</u>	Total:	_____
T-Pulled	<u>12:27</u>		
T-Out	<u>19:15</u>		



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Berexco Inc  
P.O. Box 20380  
Wichita, KS 67208  
ATTN: Bryan Bynog

**Maudene #1**  
**6-22s-23w Hodgeman**  
Job Ticket: 31329      **DST#: 2**  
Test Start: 2008.06.12 @ 08:04:55

## GENERAL INFORMATION:

Formation: **Miss**  
Deviated: **No Whipstock**      ft (KB)  
Time Tool Opened: 10:13:05  
Time Test Ended: 14:14:34  
**Interval: 4656.00 ft (KB) To 4680.00 ft (KB) (TVD)**  
Total Depth: 4680.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: **Good**

Test Type: **Conventional Bottom Hole**  
Tester: **Brandon Turley**  
Unit No: **35**  
Reference Elevations: 2401.00 ft (KB)  
2390.00 ft (CF)  
KB to GR/CF: 11.00 ft

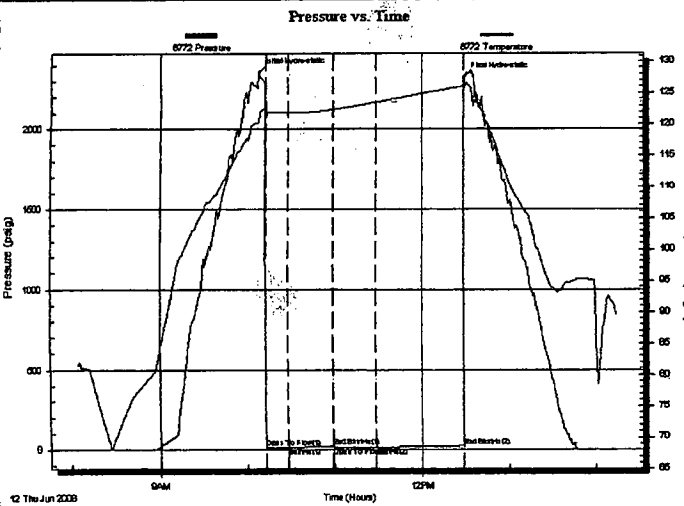
## Serial #: 6772

**Outside**

Press@RunDepth: 16.51 psig @ 4657.00 ft (KB)  
Start Date: 2008.06.12      End Date: 2008.06.12  
Start Time: 08:04:55      End Time: 14:14:34

Capacity: 7000.00 psig  
Last Calib.: 2008.06.12  
Time On Btrmt: 2008.06.12 @ 10:08:20  
Time Off Btrmt: 2008.06.12 @ 12:29:19

**TEST COMMENT:** IF: 1/4 blow died in 7 min.  
IS: No return.  
FF: No blow.  
FS: No return.



## PRESSURE SUMMARY

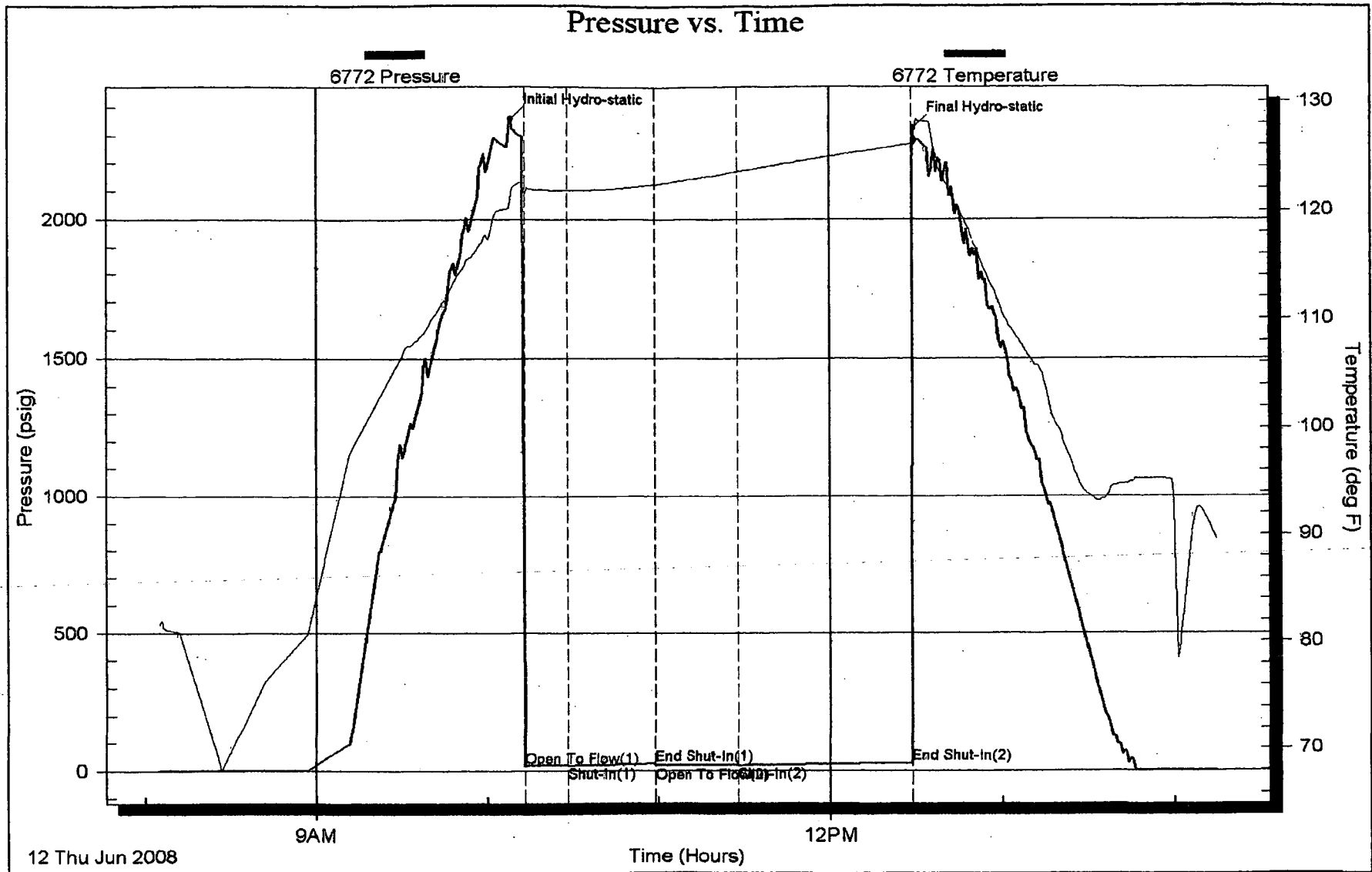
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2356.31	121.60	Initial Hydro-static
5	14.25	121.45	Open To Flow (1)
20	16.49	121.82	Shut-in(1)
51	21.63	122.35	End Shut-in(1)
51	15.56	122.36	Open To Flow (2)
80	16.51	123.50	Shut-in(2)
141	23.76	126.05	End Shut-in(2)
141	2325.07	127.13	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
1.00	mud 100%m	0.00

## Gas Rates

	Chole (inches)	Pressure (psig)	Gas Rate (Mcf/d)



## LITHOLOGY

- 3700-3800 Limestone buff, hard, fossiliferous
- 3800-30 Limestone buff, firm, very fossiliferous, good porosity
- 3830-50 Limestone bluff, hard, dense
- 3850-3930 Limestone buff, firm, very fossiliferous, good porosity
- 3930-50 Limestone buff, hard, dense
- 3950-70 Limestone tan, firm, very fossiliferous, good porosity

### HEEBNER

- 3970-80 Shale black, firm, carbonaceous
- 3980-90 Shale green, soft

### TORONTO

- 3990-4000 Limestone tan, hard, dense
- 4000-10 Limestone cream, buff, firm, microcrystalline, chalky, fair porosity
- 4010-20 Shale green, firm, waxy

### LANSING

- 4020-60 Limestone tan, very hard, dense
- 4060-70 Shale green, red, soft
- 4070-4100 Limestone white, hard, dense
- 4100-10 Shale as above
- 4110-40 Limestone tan, very hard, dense, abundant Chert white
- 4140-50 Shale gray, green, firm, waxy

4150-70 Grainstone buff, firm, oolitic, good moldic porosity  
4170-4200 Limestone gray, tan, very hard, dense  
4200-10 Shale black, firm, carbonaceous  
4210-55 Limestone buff, hard, dense  
4255-70 Limestone buff, firm, oolitic, chalky, fair to good porosity  
4270-80 Limestone buff, hard, dense  
4280-90 Shale black, firm, carbonaceous

#### SWOPE

4290-4300 Limestone white, firm, oolitic, fair porosity  
4300-10 Limestone buff, hard, chalky, crystalline  
4310-20 Limestone white, oolitic, chalky, fair moldic porosity  
4320-30 Shale black, firm, carbonaceous

#### HERTHA

4330-80 Limestone buff, hard, microcrystalline, slightly oolitic, dense some Chert white  
4380-90 Shale gray, green, firm  
4390-95 Limestone buff, hard, dense  
4395-4406 Shale gray, green, red, soft-firm  
4406-12 Limestone white, buff, hard, microcrystalline, dense  
4412-20 Shale/Limestone as above  
4420-70 Limestone buff, hard, microcrystalline, trace fair vuggy porosity  
4470-74 Shale black, firm, carbonaceous

#### PAWNEE

4472-90 Limestone buff, hard, dense



- 4490-4500 Shale as above  
4500-45 Limestone buff, hard, dense  
4545-55 Shale black, firm, carbonaceous

FT. SCOTT

- 4555-75 Limestone buff, tan, very hard, dense with thin Shale as above  
4575-82 Limestone buff, hard, microcrystalline, poor vuggy porosity, spotty to even stain, good cut

CHEROKEE

- 4582-85 Shale black, firm, carbonaceous  
4585-4610 Limestone gray brown, very hard, dense  
4610-30 Shale gray, green, firm with interbedded Limestone as above  
4630-50 Shale purple, green, yellow, firm, abundant Chert white, amber

MISSISSIPPIAN

- 4650-55 Dolomite pale gray, very hard, and dense  
4655-60 Shale bright blue, firm, waxy  
4660-4710 Dolomite buff, hard, microcrystalline, poor porosity, spotty stain, fair cut & odor, slight show free oil abundant Chert white  
4710-60 Dolomite off white, buff, microcrystalline, fair porosity, abundant Chert white, no shows  
4760-70 Dolomite buff, hard, dense  
4770-4830 Dolomite buff, firm, microsucrosic, fair porosity, abundant Chert white, no shows  
4830-50 Dolomite tan, very hard, dense, very abundant Chert white

# Mud-Co / Service Mud, Inc.

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

Report: **2**

## Daily Drilling Mud Report

Date: **06/05/08** Depth: **286**

Operator <b>Berexco, Inc</b>		Contractor <b>Beredco Drilling Company</b>		Rig No. <b>10</b>	
Address <b>Rig</b>		Address <b>Rig</b>		Spud Date <b>06/04/08</b>	
Report for Mr. <b>Co. Rep.</b>		Report for Mr. <b>Marvin Julian</b>		Section <b>#6</b>	Twp <b>22s</b>
Well Name & No. <b>Maudine #1</b>		County <b>Hodgeman</b>		State <b>Kansas</b>	

Operation		Casing		Mud Volume (BBL)		Circulation Data			
Present Activity <b>Drill Plug</b>		<b>8 5/8</b>	<b>in. at 286</b>	<b>24</b>	<b>400</b>	Liner Size <b>6</b>	Stroke <b>14</b>	Opposite Drill Pipe <b>191</b>	Pump Pressure <b>-</b>
Bit Size (in.) <b>7 7/8</b>	No <b>1</b>	Intermediate <b>in. at</b>		Total Circulating Vol. <b>424</b>		Est. Hole/DS capacities <b>8.5 2.43</b>		Opposite Drill Collars <b>348</b>	Pump Make <b>G-D</b>
Drill pipe sz <b>4 1/2</b>	Type <b>XH</b>	Production / Liner <b>in. at</b>		Volume in Storage		BBI/ Strk <b>0.129</b>	Strk / Min. <b>60</b>	Bottoms Up (Min.) <b>3</b>	Pump Model <b>FXH</b>
Drill Collar size <b>6 1/4</b>	<b>546</b>	Drilling mud type <b>Native</b>		BBL/Min. <b>7.8</b>		GAL/Min. <b>326</b>		System Total (Min) <b>55</b>	

Sample from Flowline <input type="checkbox"/> or Pit <input type="checkbox"/>	Daily Mud Cost <b>244.75</b>	Cumulative Mud Cost <b>244.75</b>
Flowline Temperature	Mud Properties	

Time Sample Taken	7:00 AM
Depth (Ft.)	<b>286</b>
Weight (lb/gal.)	
Mud Gradient (psi/ft.)	<b>0.000</b>
Funnel Viscosity (Sec/qt. API)	
Plastic Viscosity cp	
Yield Point (lb/100 sq.ft.)	
Gel Strength 10 sec/10 min.	
pH	
Filtrate API (ml/30 min.)	
Cake Thickness 32nd	<b>Make</b>
Alkalinity, Mud (Pm)	<b>Up</b>
Alkalinity, Filtrate (Pf/Mf)	<b>Water</b>
Chloride Content, ppm	<b>200</b>
Calcium, ppm	<b>160</b>
Sand Content (% by Vol)	
Solids Content (% by Vol.)	
Oil Content (% by Vol.)	
Water Content (% by Vol.)	<b>100.0</b>
LCM, lbs/bbl.	
Reynold's #DP	<b>#DIV/0!</b>
Reynold's # DC	<b>#DIV/0!</b>
ECD lb/gal	<b>#DIV/0!</b>

MUD PROPERTIES SPECIFICATIONS			
Mud Wt. (lbs/gal.) <b>&lt;10.</b>	Viscosity <b>As needed</b>	Filtrate <b>No Cont</b>	LCM <b>As needed</b>

Suggest....

Drill with water and jet often.

Use the following premix as needed to clean the hole

100 bbls fresh water  
1 Soda Ash  
Gel as needed

USE AS MUCH AS  
NEEDED.

LCM as needed with c/s Hulls

Have the Frac tank and Premix full and ready to displace the system at 3600' or per Geo's orders

100 bbls fresh water  
1 Soda Ash  
1 Caustic  
1 Lignite  
1/4 sx Pac  
50-60 Gel

Pump 7-8 minutes of  
Water ahead of Frac mud

After Displacement:

1. Control mud wt. 9.0-9.4 with water at flowline
2. Maintain 44-48 sec/qt. viscosity with premix
3. Within 10 Hours of Displacement Add 1 premix of 50/50 with 1 of each Chemical and 1/2 sx of Pac.
4. Begin Tourly Chemical Barrel of 1 Caustic and 1 Lignite after adding Previous Premix.

THANK YOU!

DRILLING MUD INVENTORY					
Products:	Prior Day	Delivery	On Hand	Used	Cost
Premium Gel	852		817	35	225.75
Lime	6		4	2	19.00
Soda Ash	33		33		
Caustic Soda	25		25		
Lignite	21		21		
C/S Hulls	200		200		
Drill Pak	7		7		
Desco	2		2		
Poly Plus	2		2		
Florigel					
Xcelde					
Sapp					
Barite					
MilGuard					

Mud-Co / Service Mud Representative <b>John Boele</b>	Home Address <b>Sterling, Ks</b>	Telephone Number <b>620-278-2011</b>
Cell: <b>620-204-0522</b>	Warehouse Location <b>Pratt, Ks.</b>	Telephone Number <b>620-672-2957</b>

# Mud-Co / Service Mud, Inc.

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

Report: **3**

## Daily Drilling Mud Report

Date: **06/06/08** Depth: **2079**

Operator <b>Berexco, Inc</b>		Contractor <b>Beredco Drilling Company</b>		Rig No. <b>10</b>	
Address <b>Rig</b>		Address <b>Rig</b>		Spud Date <b>Spud Date</b>	
Report for Mr. <b>Co. Rep.</b>		Report for Mr. <b>Marvin Julian</b>		Section <b>#6</b>	
Well Name & No. <b>Maudine #1</b>		County <b>Hodgeman</b>		State <b>Kansas</b>	
Twp <b>22s</b>		Range <b>23w</b>			

Operation		Casing		Mud Volume (BBL)		Circulation Data				
Present Activity <b>Drilling</b>		<b>8 5/8 in. at 286</b>		<b>156 400</b>		Liner Size <b>6</b>	Stroke <b>14</b>	Opposite Drill Pipe <b>191</b>	Pump Pressure <b>-</b>	
Bit Size (in.) <b>7 7/8</b>	No <b>1</b>	Intermediate in. at		Total Circulating Vol. <b>556</b>		Est. Hole/DC capacities <b>7.5 2.686</b>		Opposite Drill Collars <b>348</b>	Pump Make <b>G-D</b>	
Drill pipe sz <b>4 1/2</b>	Type <b>XH</b>	Production / Liner in. at		Volume in Storage		BBV/Strk <b>0.129</b>	Strk / Min. <b>60</b>	Bottoms Up (Min.) <b>17</b>	Pump Model <b>FXH</b>	
Drill Collar size <b>6 1/4</b>	<b>546</b>	Drilling mud type <b>Native/Premix</b>		BBL/Min. <b>7.8</b>		GAL/Min. <b>326</b>		System Total (Min.) <b>72</b>	Critical GPM DC/DP <b>115 168</b>	

Sample from Flowline x_or Pit	Daily Mud Cost <b>1,276.25</b>	Cumulative Mud Cost <b>1,521.00</b>
Flowline Temperature	Mud Properties	

Time Sample Taken	11:05 AM
Depth (Ft.)	2,079
Weight (lb/gal.)	9.1
Mud Gradient (psi/ft.)	0.473
Funnel Viscosity (Sec/qt. API)	30
Plastic Viscosity cp	3
Yield Point (lb/100 sq.ft.)	5
Gel Strength 10 sec/10 min.	2/3
pH	7.0
Filtrate API (ml/30 min.)	N/C
Cake Thickness 32nd	-
Alkalinity, Mud (Pm)	0
Alkalinity, Filtrate (Pf/Mf)	0/-
Chloride Content, ppm	2,000
Calcium, ppm	N/C
Sand Content (% by Vol)	TR
Solids Content (% by Vol.)	5.6
Oil Content (% by Vol.)	0.0
Water Content (% by Vol.)	94.4
LCM, lbs/bbl.	0
Reynold's #DP	5,551
Reynold's # DC	9,978
ECD lb/gal	9.79

MUD PROPERTIES SPECIFICATIONS			
Mud Wt. (lbs/gal.) <b>8.8-9.6</b>	Viscosity <b>As needed</b>	Filtrate <b>No Cont</b>	LCM <b>As needed</b>

Suggest....  
 Drill with water and jet often.  
 Use the following premix as needed to clean the hole  
 100 bbls fresh water  
 1 Soda Ash  
 Gel as needed  
 USE AS MUCH AS NEEDED.  
 LCM as needed with c/s Hulls  
 Have the Frac tank and Premix full and ready to displace the system at 3600' or per Geo's orders  
 100 bbls fresh water  
 1 Soda Ash  
 1 Caustic  
 1 Lignite  
 1/4 sx Pac  
 50-60 Gel  
 Pump 7-8 minutes of Water ahead of Frac mud

DRILLING MUD INVENTORY					
Products:	Prior Day	Delivery	On Hand	Used	Cost
Premium Gel	817		716	101	651.45
Lime	4		2	2	19.00
Soda Ash	33		29	4	87.80
Caustic Soda	25		24	1	57.00
Lignite	21		20	1	24.25
C/S Hulls	200		193	7	106.75
Drill Pak	7		6	1	330.00
Desco	2		2		
Poly Plus	2		2		
Florigel					
Xcide					
Sapp					
Barite					
MilGuard					

After Displacement:  
 1. Control mud wt. 9.0-9.4 with water at flowline  
 2. Maintain 44-48 sec/qt. viscosity with premix  
 3. Within 10 Hours of Displacement Add 1 premix of 50/50 with 1 of each Chemical and 1/2 sx of Pac.  
 4. Begin Tourly Chemical Barrel of 1 Caustic and 1 Lignite after adding Previous Premix.

THANK YOU!

Mud-Co / Service Mud Representative <b>Rick Hughes</b>	Home Address <b>Great Bend, Kansas</b>	Telephone Number <b>620-792-5425</b>
Cell: <b>620-791-7623</b>	Warehouse Location <b>Pratt, Ks.</b>	Telephone Number <b>620-672-2957</b>

# Mud-Co / Service Mud, Inc.

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

Report: **4**

## Daily Drilling Mud Report

Date: **06/07/08** Depth: **3110**

Operator <b>Berexco, Inc</b>		Contractor <b>Beredco Drilling Company</b>		Rig No. <b>10</b>	
Address <b>Rig</b>		Address <b>Rig</b>		Spud Date <b>Spud Date</b>	
Report for Mr. <b>Co. Rep.</b>		Report for Mr. <b>Marvin Julian</b>		Section <b>#6</b>	
Well Name & No. <b>Maudine #1</b>		County <b>Hodgeman</b>		State <b>Kansas</b>	
Twp <b>22s</b>		Range <b>23w</b>			

Operation		Casing		Mud Volume (BBL)		Circulation Data					
Present Activity <b>Drilling</b>		<b>8 5/8 in. at 286</b>		Hole <b>295</b>		Pits <b>400</b>		Liner Size <b>6</b>	Stroke <b>14</b>	Opposite Drill Pipe <b>191</b>	Pump Pressure <b>-</b>
Bit Size (in.) <b>7 7/8</b>	No <b>1</b>	Intermediate in. at		Total Circulating Vol. <b>695</b>		Est. Hole/DS capacities <b>9.5   2.686</b>		Opposite Drill Collars <b>348</b>		Pump Make <b>G-D</b>	
Drill pipe sz <b>4 1/2</b>	Type <b>XH</b>	Production / Liner in. at		Volume in Storage <b>500</b>		BBV/ Strk <b>0.129   60</b>		Bottoms Up (Min.) <b>33</b>		Pump Model <b>FXH</b>	
Drill Collar size <b>6 1/4</b>	<b>546</b>	Drilling mud type <b>Native</b>		BBL/Min. <b>7.8</b>		GAL/Min. <b>326</b>		System Total (Min.) <b>90</b>		Critical GPM DC/DP <b>100   142</b>	

Sample from Flowline <u>  </u> x or Pit	Daily Mud Cost <b>3,654.55</b>	Cumulative Mud Cost <b>5,175.55</b>
---	-----------------------------------	--

Flowline Temperature		Mud Properties	
Time Sample Taken	<b>1:20 PM</b>		
Depth (Ft.)	<b>3,110</b>		
Weight (lb/gal.)	<b>9.2</b>		
Mud Gradient (psi/ft.)	<b>0.478</b>		
Funnel Viscosity (Sec/qt. API)	<b>29</b>		
Plastic Viscosity cp	<b>3</b>		
Yield Point (lb/100 sq.ft.)	<b>4</b>		
Gel Strength 10 sec/10 min.	<b>3/4</b>		
pH	<b>7.0</b>		
Filtrate API (ml/30 min.)	<b>N/C</b>		
Cake Thickness 32nd	<b>-</b>		
Alkalinity, Mud (Pm)	<b>0</b>		
Alkalinity, Filtrate (Pf/Mf)	<b>0/-</b>		
Chloride Content, ppm	<b>49,000</b>		
Calcium, ppm	<b>Hvy</b>		
Sand Content (% by Vol)	<b>TR</b>		
Solids Content (% by Vol.)	<b>3.5</b>		
Oil Content (% by Vol.)	<b>0.0</b>		
Water Content (% by Vol.)	<b>96.5</b>		
LCM, lbs/bbl.	<b>1</b>		
Reynold's #DP	<b>6,899</b>		
Reynold's # DC	<b>11,525</b>		
ECD lb/gal	<b>9.76</b>		

MUD PROPERTIES SPECIFICATIONS			
Mud Wt. (lbs/gal.) <b>9.0-9.5</b>	Viscosity <b>As needed</b>	Filtrate <b>No Cont</b>	LCM <b>As needed</b>

*Suggest....*

*Drill with water and jet often.*

*Use the following premix as needed to clean the hole*  
 100 bbls fresh water  
 1 Soda Ash **USE AS MUCH AS NEEDED.**  
 Gel as needed

*LCM as needed with c/s Hulls*

*Have the Frac tank and Premix full and ready to displace the system at 3600' or per Geo's orders*  
 100 bbls fresh water  
 1 Soda Ash **Pump 7-8 minutes of Water ahead of Frac mud**  
 1 Caustic  
 1 Lignite  
 1/4 sx Pac  
 50-60 Gel

DRILLING MUD INVENTORY					
Products:	Prior Day	Delivery	On Hand	Used	Cost
Premium Gel	716		448	268	1,728.60
Lime	2		2		
Soda Ash	29		23	6	131.70
Caustic Soda	24		18	6	342.00
Lignite	20		15	5	121.25
C/S Hulls	193		149	44	671.00
Drill Pak	6		4	2	660.00
Desco	2		2		
Poly Pac	2		2		
Florigel					
Xcide					
Sapp					
Barite					
MIIGuard					

**After Displacement:**

- Control mud wt. 9.0-9.4 with water at flowline
- Maintain 44-48 sec/qt. viscosity with premix
- Suggest at approx 4100':  
 100 bbls fresh water  
 2 Soda Ash  
 2 Caustic  
 1 Lignite  
 1 full sx Pac  
 Gel as needed

*Jet hole and add over 1 1/2 hours*

**THANK YOU!**

Mud-Co / Service Mud Representative <b>Rick Hughes</b>	Home Address <b>Great Bend, Kansas</b>	Telephone Number <b>620-792-5425</b>
<b>Cell: 620-791-7623</b>	Warehouse Location <b>Pratt, Ks.</b>	Telephone Number <b>620-672-2957</b>

# Mud-Co / Service Mud, Inc.

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

Report: **5**

## Daily Drilling Mud Report

Date: **06/08/08** Depth: **3693**

Operator <b>Berexco, Inc</b>		Contractor <b>Beredco Drilling Company</b>		Rig No. <b>10</b>	
Address <b>Rig</b>		Address <b>Rig</b>		Spud Date <b>Spud Date</b>	
Report for Mr. <b>Co. Rep.</b>		Report for Mr. <b>Marvin Julian</b>		Section Twp Range <b>#6 22s 23w</b>	
Well Name & No. <b>Maudine #1</b>		County <b>Hodgeman</b>		State <b>Kansas</b>	

Operation		Casing		Mud Volume (BBL)		Circulation Data			
Present Activity <b>Drilling</b>		<b>8 5/8</b> in. at	<b>286</b>	Hole <b>314</b>	Pits <b>450</b>	Liner Size <b>6</b>	Stroke <b>14</b>	Opposite Drill Pipe <b>174</b>	Pump Pressure <b>-</b>
Bit Size (in.) <b>7 7/8</b>	No. <b>No.</b>	Intermediate in. at		Total Circulating Vol. <b>764</b>		Est. Hole/DS capacities <b>8.5 2.686</b>		Opposite Drill Collars <b>348</b>	Pump Make <b>G-D</b>
Drill pipe sz <b>4</b>	Type <b>FH</b>	Production / Liner in. at		Volume in Storage <b>0</b>		BBH/ Strk <b>0.129</b>	Strk / Min. <b>60</b>	Bottoms Up (Min.) <b>36</b>	Pump Model <b>FXH</b>
Drill Collar size <b>6 1/4</b>	<b>546</b>	Drilling mud type <b>Chemical</b>		BBL/Min. <b>7.8</b>	GAL/Min. <b>326</b>	System Total (Min.) <b>99</b>		Critical GPM DC/DP <b>297 421</b>	

Sample from Flowline x__ or Pit	Daily Mud Cost <b>2,148.90</b>	Cumulative Mud Cost <b>7,324.45</b>
Flowline Temperature	Mud Properties	

Time Sample Taken	12:25 PM
Depth (Ft.)	3,693
Weight (lb/gal.)	8.6
Mud Gradient (psi/ft.)	0.447
Funnel Viscosity (Sec/qt. API)	58
Plastic Viscosity cp	16
Yield Point (lb/100 sq.ft.)	17
Gel Strength 10 sec/10 min.	28/62
pH	12.0
Filtrate API (ml/30 min.)	8.8
Cake Thickness 32nd	1
Alkalinity, Mud (Pm)	-
Alkalinity, Filtrate (Pf/Mf)	1.7/-
Chloride Content, ppm	5,300
Calcium, ppm	20
Sand Content (% by Vol)	TR
Solids Content (% by Vol.)	2.6
Oil Content (% by Vol.)	0.0
Water Content (% by Vol.)	97.4
LCM, lbs/bbl.	0
Reynold's #DP	1,387
Reynold's # DC	2,284
ECD lb/gal	9.08

MUD PROPERTIES SPECIFICATIONS			
Mud Wt. (lbs/gal.)	Viscosity	Filtrate	LCM
<b>9.0-9.4</b>	<b>46-50</b>	<b>8-12.0</b>	<b>As Needed</b>

### Suggest:

1. Gel - As needed for vis, mix with pit mud
2. Water - small stream while drilling
3. Suggest at 4100':  
100 bbls water  
2 caustic  
2 Soda Ash  
1 Lignite  
1 Full sx of Pac  
Add Gel as needed  
Jet hole and add over 1 1/2 hours
4. Keep hole full on all trips
5. Add LCM as needed
6. Circulate hole clean prior to DST or log

DRILLING MUD INVENTORY					
Products:	Prior Day	Delivery	On Hand	Used	Cost
Premlum Gel	448		230	218	1,406.10
Lime	2		2		
Soda Ash	23		19	4	87.80
Caustic Soda	18		14	4	228.00
Lignite	15		11	4	97.00
C/S Hulls	149		149		
Drill Pak	4		3	1	330.00
Desco	2		2		
Poly Plus	2		2		
Florigel					
Xcide					
Sapp					
Barite					
MilGuard					

THANK YOU !

Mud-Co / Service Mud Representative <b>Rick Hughes</b>	Home Address <b>Great Bend, Kansas</b>	Telephone Number <b>620-792-5425</b>
Cell: <b>620-791-7623</b>	Warehouse Location <b>Pratt, Ks.</b>	Telephone Number <b>620-672-2957</b>

# Mud-Co / Service Mud, Inc.

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

Report: **6**

## Daily Drilling Mud Report

Date: **06/09/08** Depth: **4203**

Operator <b>Berexco, Inc</b>		Contractor <b>Beredco Drilling Company</b>		Rig No. <b>10</b>	
Address <b>Rig</b>		Address <b>Rig</b>		Spud Date <b>Spud Date</b>	
Report for Mr. <b>Bryan Bynog</b>		Report for Mr. <b>Marvin Julian</b>		Section <b>#6</b>	Twp <b>22s</b>
Well Name & No. <b>Maudine #1</b>		County <b>Hodgeman</b>		State <b>Kansas</b>	
Range <b>23w</b>					

Operation		Casing		Mud Volume (BBL)		Circulation Data			
Present Activity				Hole	Pits	Liner Size	Stroke	Opposite Drill Pipe	Pump Pressure
<b>Drilling</b>		<b>8 5/8</b>	<b>in. at 286</b>	<b>336</b>	<b>450</b>	<b>6</b>	<b>14</b>	<b>174</b>	<b>-</b>
Bit Size (in.)	No	Intermediate		Total Circulating Vol.		Est. Hole/DS capacities		Opposite Drill Collars	Pump Make
<b>7 7/8</b>	<b>1</b>	<b>in. at</b>		<b>786</b>		<b>8 2.686</b>		<b>348</b>	<b>G-D</b>
Drill pipe sz	Type	Production / Liner		Volume in Storage		BBI/ Strk	Strk / Min.	Bottoms Up (Min.)	Pump Model
<b>4</b>	<b>FH</b>	<b>in. at</b>		<b>100</b>		<b>0.129</b>	<b>60</b>	<b>36</b>	<b>FXH</b>
Drill Collar size	Drilling mud type			BBL/Min.	GAL/Min.	System Total (Min.)		Critical GPM DC/DP	
<b>6 1/4</b>	<b>546</b>	<b>Chemical</b>		<b>7.8</b>	<b>326</b>	<b>101</b>		<b>207</b>	<b>267</b>

Sample from Flowline <u>  </u> x or Pit	Daily Mud Cost	Cumulative Mud Cost
Flowline Temperature	<b>1,029.75</b>	<b>8,354.20</b>

Time Sample Taken		Mud Properties		MUD PROPERTIES SPECIFICATIONS			
				Mud Wt. (lbs/gal.)	Viscosity	Filtrate	LCM
10:45 AM				<b>9.0-9.4</b>	<b>46-50</b>	<b>8-12.0</b>	<b>As Needed</b>
Depth (Ft.)	<b>4,203</b>			<i>Suggest: 46-52 DST</i>			
Weight (lb/gal.)	<b>9.2</b>			<i>Gel - As needed for vis, mix with pit mud</i>			
Mud Gradient (psi/ft.)	<b>0.478</b>			<i>Water - small stream while drilling</i>			
Funnel Viscosity (Sec/qt. API)	<b>47</b>			<i>Suggest at 4300', add existing tank of mud to the system over 1 1/2 hours</i>			
Plastic Viscosity cp	<b>13</b>			<i>After above tank is added, add this tank if mud wt. reaches 9.5:</i>			
Yield Point (lb/100 sq.ft.)	<b>9</b>			<i>100 bbls water</i>			
Gel Strength 10 sec/10 min.	<b>8/60</b>			<i>2 caustic</i>			
pH	<b>11.5</b>			<i>2 Soda Ash</i>			
Filtrate API (ml/30 min.)	<b>9.6</b>			<i>1 Lignite</i>			
Cake Thickness 32nd	<b>1</b>			<i>1/2 sx of Pac</i>			
Alkalinity, Mud (Pm)	<b>-</b>			<i>Add Gel as needed</i>			
Alkalinity, Filtrate (Pf/Mf)	<b>.9/-</b>			<i>Jet hole and add over 1 1/2 hours</i>			
Chloride Content, ppm	<b>6,800</b>			<i>Keep hole full on all trips</i>			
Calcium, ppm	<b>20</b>			<i>Add LCM as needed</i>			
Sand Content (% by Vol)	<b>TR</b>			<i>Circulate hole clean prior to DST or log</i>			
Solids Content (% by Vol.)	<b>6.0</b>						
Oil Content (% by Vol.)	<b>0.0</b>						
Water Content (% by Vol.)	<b>94.0</b>						
LCM, lbs/bbl.	<b>0</b>						
Reynold's #DP	<b>2,600</b>						
Reynold's # DC	<b>3,664</b>						
ECD lb/gal	<b>9.62</b>						

DRILLING MUD INVENTORY					
Products:	Prior Day	Delivery	On Hand	Used	Cost
Premium Gel	230		188	42	270.90
Lime	2		2		
Soda Ash	19		16	3	65.85
Caustic Soda	14		11	3	171.00
Lignite	11		10	1	24.25
C/S Hulls	149		138	11	167.75
Drill Pak	3		2	1	330.00
Desco	2		2		
Poly Plus	2		2		
Flortgel					
Xcide					
Sapp					
Barite					
MillGuard					

THANK YOU !

Mud-Co / Service Mud Representative <b>Rick Hughes</b>	Home Address <b>Great Bend, Kansas</b>	Telephone Number <b>620-792-5425</b>
Cell: <b>620-791-7623</b>	Warehouse Location <b>Pratt, Ks.</b>	Telephone Number <b>620-672-2957</b>

# Mud-Co / Service Mud. Inc.

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

Report: **7**

## Daily Drilling Mud Report

Date: **06/10/08** Depth: **4541**

Operator <b>Berexco, Inc</b>		Contractor <b>Beredco Drilling Company</b>		Rig No. <b>10</b>	
Address <b>Rig</b>		Address <b>Rig</b>		Spud Date <b>Spud Date</b>	
Report for Mr. <b>Bryan Bynog</b>		Report for Mr. <b>Marvin Julian</b>		Section <b>#6</b>	
Well Name & No. <b>Maudine #1</b>		County <b>Hodgeman</b>		Twp <b>22s</b>	
		State <b>Kansas</b>		Range <b>23w</b>	

Operation <b>Drilling</b>		Casing <b>8 5/8 in. at 286</b>		Mud Volume (BBL) Hole <b>363</b> Pits <b>500</b>		Circulation Data Liner Size <b>6</b> Stroke <b>14</b>		Opposite Drill Pipe <b>174</b>		Pump Pressure <b>-</b>	
Bit Size (in.) <b>7 7/8</b>		Intermediate <b>in. at</b>		Total Circulating Vol. <b>863</b>		Est. Hole/DS capacities <b>8   2.686</b>		Opposite Drill Collars <b>348</b>		Pump Make <b>G-D</b>	
Drill pipe sz <b>4</b>		Production / Liner <b>in. at</b>		Volume in Storage <b>100 going in</b>		BBV/ Strk <b>0.129</b>		Strk / Min. <b>60</b>		Bottoms Up (Min.) <b>39</b>	
Drill Collar size <b>6 1/4</b>		Drilling mud type <b>Chemical</b>		BBL/Min. <b>7.8</b>		GAL/Min. <b>326</b>		System Total (Min.) <b>111</b>		Critical GPM DC/DP <b>223   302</b>	

Sample from Flowline x__ or Pit		Daily Mud Cost <b>1,256.25</b>		Cumulative Mud Cost <b>9,610.45</b>	
Flowline Temperature		Mud Properties			

Time Sample Taken		11:10 AM	
Depth (Ft.)		4,541	
Weight (lb/gal.)		9.2	
Mud Gradient (psi/ft.)		0.478	
Funnel Viscosity (Sec/qt. API)		46	
Plastic Viscosity cp		13	
Yield Point (lb/100 sq.ft.)		11	
Gel Strength 10 sec/10 min.		7/41	
pH		11.5	
Filtrate API (ml/30 min.)		9.2 Reserve	
Cake Thickness 32nd		1 Pit	
Alkalinity, Mud (Pm)		-	
Alkalinity, Filtrate (Pf/Mf)		1.2/ -	
Chloride Content, ppm		6,200 40,000	
Calcium, ppm		40 Estimated	
Sand Content (% by Vol)		TR Volume:	
Solids Content (% by Vol.)		6.1 1400 bbls	
Oil Content (% by Vol.)		0.0	
Water Content (% by Vol.)		93.9	
LCM, lbs/bbl.		1	
Reynold's #DP		2,220	
Reynold's # DC		3,359	
ECD lb/gal		9.60	

MUD PROPERTIES SPECIFICATIONS			
Mud Wt. (lbs/gal.) <b>9.0-9.4</b>	Viscosity <b>48-55</b>	Filtrate <b>8-10.0</b>	LCM <b>As Needed</b>

*Suggest:*

*Gel - As needed for vis, mix with pit mud*

*Water - small stream while drilling*

*Add this premix if mud wt. reaches 9.4:*  
*100 bbls water*  
*2 caustic*  
*2 Soda Ash*  
*1 Lignite*  
*1/2 sx of Pac*  
*Add Gel as needed*  
*Jet hole and add over 1 1/2 hours*

*Keep hole full on all trips*

*Add LCM as needed*

*Circulate hole clean prior to DST or log*

DRILLING MUD INVENTORY					
Products:	Prior Day	Delivery	On Hand	Used	Cost
Premium Gel	188		107	81	522.45
Lime	2		2		
Soda Ash	16		12	4	87.80
Caustic Soda	11		7	4	228.00
Lignite	10		7	3	72.75
C/S Hulls	138		137	1	15.25
Drill Pak	2		1	1	330.00
Desco	2		2		
Poly Plus	2		2		
Florigel					
Xcide					
Sapp					
Barite					
MitGuard					

THANK YOU !

Mud-Co / Service Mud Representative <b>Rick Hughes</b>	Home Address <b>Great Bend, Kansas</b>	Telephone Number <b>620-792-5425</b>
Cell: <b>620-791-7623</b>	Warehouse Location <b>Pratt, Ks.</b>	Telephone Number <b>620-672-2957</b>

# Mud-Co / Service Mud. Inc.

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

Report: **8**

## Daily Drilling Mud Report

Date: **06/11/08** Depth: **4593**

Operator <b>Berexco, Inc</b>	Contractor <b>Beredco Drilling Company</b>	Rig No. <b>10</b>
Address <b>Rig</b>	Address <b>Rig</b>	Spud Date <b>06/04/08</b>
Report for Mr. <b>Bryan Bynog</b>	Report for Mr. <b>Marvin Julian</b>	Section <b>#6</b> Twp <b>22s</b> Range <b>23w</b>
Well Name & No. <b>Maudine #1</b>	County <b>Hodgeman</b>	State <b>Kansas</b>

Operation		Casing		Mud Volume (BBL)		Circulation Data			
Present Activity				Hole	Pits	Liner Size	Stroke	Opposite Drill Pipe	Pump Pressure
<b>TI w/Bit</b>		<b>8 5/8</b>	<b>in. at 286</b>	<b>367</b>	<b>400</b>	<b>6</b>	<b>14</b>	<b>191</b>	<b>-</b>
Bit Size (in.)	No	Intermediate		Total Circulating Vol.		Est. Hole/DS capacities		Opposite Drill Collars	Pump Make
<b>7 7/8</b>	<b>1</b>	<b>in. at</b>		<b>767</b>		<b>8   2.686</b>		<b>348</b>	<b>G-D</b>
Drill pipe sz	Type	Production / Liner		Volume in Storage		BBH/ Strk	Strk / Min.	Bottoms Up (Min.)	Pump Model
<b>4 1/2</b>	<b>XH</b>	<b>in. at</b>		<b>Volume</b>		<b>0.129</b>	<b>60</b>	<b>40</b>	<b>FXH</b>
Drill Collar size	Drilling mud type		BBL/Min.		GAL/Min.	System Total (Min)		Critical GPM DC/DP	
<b>6 1/4</b>	<b>546</b>		<b>7.8</b>		<b>326</b>	<b>99</b>		<b>214</b>	<b>274</b>

Sample from Flowline ___ or Pit _x_	Daily Mud Cost	Cumulative Mud Cost
Flowline Temperature _____	<b>400.20</b>	<b>10,010.65</b>

Mud Properties	
Time Sample Taken	10:55 AM
Depth (Ft.)	4,593
Weight (lb/gal.)	9.3
Mud Gradient (psi/ft.)	0.484
Funnel Viscosity (Sec/qt. API)	53
Plastic Viscosity cp	13
Yield Point (lb/100 sq.ft.)	10
Gel Strength 10 sec/10 min.	15/29
pH	12.0
Filtrate API (ml/30 min.)	9.2
Cake Thickness 32nd	1
Alkalinity, Mud (Pm)	-
Alkalinity, Filtrate (Pf/Mf)	1.4/-
Chloride Content, ppm	5,200
Calcium, ppm	20
Sand Content (% by Vol)	TR
Solids Content (% by Vol.)	6.8
Oil Content (% by Vol.)	0.0
Water Content (% by Vol.)	93.2
LCM, lbs/bbl.	1
Reynold's #DP	2,527
Reynold's # DC	3,543
ECD lb/gal	9.77

MUD PROPERTIES SPECIFICATIONS			
Mud Wt. (lbs/gal.)	Viscosity	Filtrate	LCM
<b>9.0-9.4</b>	<b>50-55</b>	<b>8-10.0</b>	<b>As Needed</b>

Suggest:

Gel - As needed for vis, mix with pit mud

Water - small stream while drilling

Add this premix if mud wt. reaches 9.4:

100 bbls water

2 caustic

2 Soda Ash

1 Lignite

1/2 sx of Pac

Add Gel as needed

Jet hole and add over 1 1/2 hours

Keep hole full on all trips

Add LCM as needed

Circulate hole clean prior to DST or log

DRILLING MUD INVENTORY					
Products:	Prior Day	Delivery	On Hand	Used	Cost
Premium Gel	107	420	502	25	161.25
Lime	2		2		
Soda Ash	12	5	16	1	21.95
Caustic Soda	7	10	16	1	57.00
Lignite	7	5	12		
C/S Hulls	137		137		
Drill Pak.	1	4	5		
Desco	2		2		
Poly Plus	2		1	1	160.00
Florigel					
Xcide					
Sapp					
Barite					
MilGuard					

THANK YOU !

Mud-Co / Service Mud Representative <b>Rick Hughes</b>	Home Address <b>Great Bend, Kansas</b>	Telephone Number <b>620-792-5425</b>
Cell: <b>620-791-7623</b>	Warehouse Location <b>Pratt, Ks.</b>	Telephone Number <b>620-672-2957</b>



# Mud-Co / Service Mud. Inc.

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

Report: **9**

## Daily Drilling Mud Report

Date: **06/12/08** Depth: **4680**

Operator <b>Berexco, Inc</b>		Contractor <b>Beredco Drilling Company</b>		Rig No. <b>10</b>	
Address <b>Rig</b>		Address <b>Rig</b>		Spud Date <b>06/04/08</b>	
Report for Mr. <b>Bryan Bynog</b>		Report for Mr. <b>Bruce Wildrix</b>		Section <b>#6</b>	
Well Name & No. <b>Maudine #1</b>		County <b>Hodgeman</b>		State <b>Kansas</b>	
Twp <b>22s</b>		Range <b>23w</b>			

Operation		Casing		Mud Volume (BBL)		Circulation Data			
Present Activity <b>DST #2</b>		<b>8 5/8 in. at 286</b>		<b>374 Hole 500 Pits</b>		Liner Size <b>6</b>	Stroke <b>14</b>	Opposite Drill Pipe <b>191</b>	Pump Pressure <b>-</b>
Bit Size (in.) <b>7 7/8</b>	No <b>1</b>	Intermediate in. at		Total Circulating Vol. <b>874</b>		Est. Hole/DS capacities <b>8 2.686</b>		Opposite Drill Collars <b>348</b>	Pump Make <b>G-D</b>
Drill pipe sz <b>4 1/2</b>	Type <b>XH</b>	Production / Liner in. at		Volume in Storage <b>Volume</b>		BBI/ Strk <b>0.129</b>	Strk / Min. <b>60</b>	Bottoms Up (Min.) <b>40</b>	Pump Model <b>FXH</b>
Drill Collar size <b>6 1/4</b>	<b>546</b>	Drilling mud type <b>Chemical</b>		BBL/Min. <b>7.8</b>		GAL/Min. <b>326</b>	System Total (Min.) <b>113</b>	Critical GPM DC/DP <b>239 301</b>	

Sample from Flowline ___ or Pit _x	Daily Mud Cost <b>15.25</b>	Cumulative Mud Cost <b>10,025.90</b>
Flowline Temperature	Mud Properties	

Time Sample Taken	11:30 AM
Depth (Ft.)	<b>4,680</b>
Weight (lb/gal.)	<b>9.3</b>
Mud Gradient (psi/ft.)	<b>0.484</b>
Funnel Viscosity (Sec/qt. API)	<b>54</b>
Plastic Viscosity cp	<b>16</b>
Yield Point (lb/100 sq.ft.)	<b>11</b>
Gel Strength 10 sec/10 min.	<b>14/53</b>
pH	<b>11.5</b>
Filtrate API (ml/30 min.)	<b>9.2</b>
Cake Thickness 32nd	<b>1</b>
Alkalinity, Mud (Pm)	<b>-</b>
Alkalinity, Filtrate (Pf/Mf)	<b>1.1/-</b>
Chloride Content, ppm	<b>7,000</b>
Calcium, ppm	<b>20</b>
Sand Content (% by Vol)	<b>TR</b>
Solids Content (% by Vol.)	<b>6.7</b>
Oil Content (% by Vol.)	<b>0.0</b>
Water Content (% by Vol.)	<b>93.3</b>
LCM, lbs/bbl.	<b>1</b>
Reynold's #DP	<b>2,225</b>
Reynold's # DC	<b>3,018</b>
ECD lb/gal	<b>9.77</b>

MUD PROPERTIES SPECIFICATIONS			
Mud Wt. (lbs/gal.)	Viscosity	Filtrate	LCM
<b>9.0-9.4</b>	<b>50-55</b>	<b>8-10.0</b>	<b>As Needed</b>

Suggest:

Gel - As needed for vis, mix with pit mud

Water - small stream while drilling

Add this premix if mud wt. reaches 9.4:

100 bbls water

2 caustic

2 Soda Ash

1 Lignite

1/2 sx of Pac

Add Gel as needed

Jet hole and add over 1 1/2 hours

Keep hole full on all trips

Add LCM as needed

Circulate hole clean prior to DST or log

DRILLING MUD INVENTORY				
Products:	Prior Day	Delivery	On Hand	Used Cost
Premium Gel	502		502	
Lime	2		2	
Soda Ash	16		16	
Caustic Soda	16		16	
Lignite	12		12	
C/S Hulls	137		136	1 15.25
Drill Pak	5		5	
Desco	2		2	
Poly Plus	1		1	
Florigel				
Xclde				
Sapp				
Barite				
MilGuard				

THANK YOU !

Mud-Co / Service Mud Representative <b>Rick Hughes</b>	Home Address <b>Great Bend, Kansas</b>	Telephone Number <b>620-792-5425</b>
Cell: <b>620-791-7623</b>	Warehouse Location <b>Pratt, Ks.</b>	Telephone Number <b>620-672-2957</b>

# Mud-Co / Service Mud, Inc.

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

Report: **10**

## Daily Drilling Mud Report

Date: **06/13/08** Depth: **4850**

Operator <b>Berexco, Inc</b>	Contractor <b>Beredco Drilling Company</b>	Rig No. <b>10</b>
Address <b>Rig</b>	Address <b>Rig</b>	Spud Date <b>06/04/08</b>
Report for Mr. <b>Bryan Bynog</b>	Report for Mr. <b>Bruce Wildrix</b>	Section <b>#6</b> Twp <b>22s</b> Range <b>23w</b>
Well Name & No. <b>Maudine #1</b>	County <b>Hodgeman</b>	State <b>Kansas</b>

Operation	Casing	Mud Volume (BBL)	Circulation Data
Present Activity: <b>TOH #/Logs</b>	<b>8 5/8</b> in. at <b>286</b>	Hole <b>351</b> Pits <b>400</b>	Liner Size <b>6</b> Stroke <b>14</b> Opposite Drill Pipe <b>191</b> Pump Pressure <b>-</b>
Bit Size (in.) <b>7 7/8</b> No. <b>2</b>	Intermediate in. at	Total Circulating Vol. <b>751</b>	Est. Hole/DS capacities <b>2.686</b> Opposite Drill Collars <b>348</b> Pump Make <b>G-D</b>
Drill pipe sz <b>4 1/2</b> Type <b>XH</b>	Production / Liner in. at	Volume in Storage <b>Volume</b>	BBL/Strk <b>0.129</b> Strk / Min. <b>60</b> Bottoms Up (Min.) <b>45</b> Pump Model <b>FXH</b>
Drill Collar size <b>6 1/4</b> <b>546</b>	Drilling mud type <b>Chemical</b>	BBL/Min. <b>7.8</b> GAL/Min. <b>326</b>	System Total (Min) <b>97</b> Critical GPM DC/DP <b>281</b> <b>382</b>

Sample from: Flowline or Pit	Daily Mud Cost <b>0.00</b>	Cumulative Mud Cost <b>10,025.90</b>
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Mud Properties	
Time Sample Taken	<b>8:30 AM</b>
Depth (Ft.)	<b>4,850</b>
Weight (lb/gal.)	<b>9.3</b>
Mud Gradient (psi/ft.)	<b>0.484</b>
Funnel Viscosity (Sec/qt. API)	<b>55</b>
Plastic Viscosity cp	<b>16</b>
Yield Point (lb/100 sq. ft.)	<b>17</b>
Gel Strength 10 sec/10 min.	<b>15/56</b>
pH	<b>11.0</b>
Filtrate API (ml/30 min.)	<b>8.8</b>
Cake Thickness 32nd	<b>1</b>
Alkalinity, Mud (Pm)	<b>Reserve</b>
Alkalinity, Filtrate (Pf/Mf)	<b>7</b> <b>Pit</b>
Chloride Content, ppm	<b>7,500</b> <b>19000chl</b>
Calcium, ppm	<b>40</b> <b>120bbl</b>
Sand Content (% by Vol)	<b>trc</b>
Solids Content (% by Vol.)	<b>6.7</b>
Oil Content (% by Vol.)	
Water Content (% by Vol.)	<b>93.3</b>
LCM, lbs/bbl.	<b>trc</b>
Reynold's #DP	<b>1,593</b>
Reynold's # DC	<b>2,470</b>
ECD lb/gal	<b>9.81</b>

MUD PROPERTIES SPECIFICATIONS			
Mud Wt. (lbs/gal.)	Viscosity	Filtrate	LCM
<b>9.0-9.4</b>	<b>50-55</b>	<b>8-10cc</b>	<b>As needed</b>

1. Control wt. 9.0-9.4#/gal
2. Vis 50-55sec/qt with premix
3. LCM as needed

Mud in good shape to log with and run pipe

If casing is ran thin mud back to 40-42vis for cement job

RTD: 4850'

LTD:

2-Dst's

Final report

DRILLING MUD INVENTORY					
Products:	Prior Day	Delivery	On Hand	Used	Cost
Premium Gel		<b>502</b>	<b>502</b>		
Lime		<b>2</b>	<b>2</b>		
Soda Ash		<b>16</b>	<b>16</b>		
Caustic Soda		<b>16</b>	<b>16</b>		
Lignite		<b>12</b>	<b>12</b>		
C/S Hulls		<b>136</b>	<b>136</b>		
Drill Pak		<b>5</b>	<b>5</b>		
Desco		<b>2</b>	<b>2</b>		
Poly Plus		<b>1</b>	<b>1</b>		
Florigel					
Xcide					
Sapp					
Barite					
MilGuard					

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