

CONFIDENTIAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form ACO-1
September 1999
Form Must Be Typed

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

8/12/10

Operator: License # 5363
Name: Berexco Inc.
Address: P. O. Box 20380
City/State/Zip: Wichita, KS 67208
Purchaser: Central Crude Corporation
Operator Contact Person: Evan Mayhew
Phone: (316) 265-3311
Contractor: Name: Beredco Drilling
License: 5147
Wellsite Geologist: Bryan Bynog

API No. 15 - 083-21561-00-00
County: Hodgeman
E/2 NE SW Sec. 22 Twp. 22 S. R. 23 East West
1,980 feet from (S) N (circle one) Line of Section
2,310 feet from E (W) (circle one) Line of Section

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

Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE NW (SW)
Lease Name: Clarence Well #: 1
Field Name: wildcat
Producing Formation: Mississippi
Elevation: Ground: 2341' Kelly Bushing: 2352'
Total Depth: 4619' Plug Back Total Depth: 4623'
Amount of Surface Pipe Set and Cemented at 270 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set 1580 Feet
If Alternate II completion, cement circulated from 1580
feet depth to surface w/ 450 sx cmt.

If Workover/Re-entry: Old Well Info as follows:
Operator: _____
Well Name: _____
Original Comp. Date: _____ Original Total Depth: KCC
 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. _____

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21 June 2008 29 June 2008 22 July 2008
Spud Date or Date Reached TD Completion Date or Recompletion Date

Drilling Fluid Management Plan AIT INH 10808
(Data must be collected from the Reserve Pit)
Chloride content 30,000 ppm Fluid volume 1,000 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: Richard R. Smith
Title: ENGINEERING TECHNICIAN Date: 12/AUGUST/2008
Subscribed and sworn to before me this 12th day of August
Notary Public: Diana E Bell
Date Commission Expires: Aug 10, 2011

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

KCC Office Use ONLY

Letter of Confidentiality Attached
If Denied, Yes Date: _____
 Wireline Log Received **RECEIVED**
 Geologist Report Received **KANSAS CORPORATION COMMISSION**
 UIC Distribution **AUG 13 2008**

Operator Name: Berexco Inc. Lease Name: Clarence Well #: 1
 Sec. 22 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 <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Submit Copy)</i> List All E. Logs Run: Microresistivity Log, Dual Induction Log, Borehole Compensated Sonic Log, Dual Compensated Porosity Log	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:60%;">Name</td> <td style="width:20%;">Top</td> <td style="width:20%;">Datum</td> </tr> <tr> <td>Heebner</td> <td>3915'</td> <td>(-1563')</td> </tr> <tr> <td>Toronto</td> <td>3930'</td> <td>(-1578')</td> </tr> <tr> <td>Base KS City</td> <td>4346'</td> <td>(-1994')</td> </tr> <tr> <td>Fort Scott</td> <td>4508'</td> <td>(-2156')</td> </tr> <tr> <td>Mississippi</td> <td>4589'</td> <td>(-2237')</td> </tr> </table>	Name	Top	Datum	Heebner	3915'	(-1563')	Toronto	3930'	(-1578')	Base KS City	4346'	(-1994')	Fort Scott	4508'	(-2156')	Mississippi	4589'	(-2237')
Name	Top	Datum																	
Heebner	3915'	(-1563')																	
Toronto	3930'	(-1578')																	
Base KS City	4346'	(-1994')																	
Fort Scott	4508'	(-2156')																	
Mississippi	4589'	(-2237')																	

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#	270'	Comm	175	3%cc, 2%gel
production	7 7/8"	5 1/2"	15.5#	4612'	65/35 + ASC	100+150	6%gel, 1/4#seal
D-V tool				1580'	65/35 + ASC	400+50	2%gel in ASC

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate	AUG 13 2008			
<input type="checkbox"/> Protect Casing	KCC			
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
	open hole - no perfs		4612'-18'

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AUG 13 2008

TUBING RECORD		Size	Set At	Packer At	Liner Run	CONSERVATION DIVISION WICHITA, KS	
		2 7/8"	4608	no pkr	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
Date of First, Resumed Production, SWD or Enhr. 22 July 2008			Producing Method <input type="checkbox"/> Flowing <input checked="" 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		
	15	no gas	85	no gas			

Disposition of Gas METHOD OF COMPLETION Production Interval

Vented Sold Used on Lease Open Hole Perf. Dually Comp. Commingled 4612' - 4618'
(If vented, Sumit ACO-18.) Other (Specify) _____

ALLIED CEMENTING CO., LLC. 32905

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

SERVICE POINT:
Neosho City

DATE <u>7-1-08</u>	SEC. <u>22</u>	TWP. <u>22</u>	RANGE <u>23</u>	CALLED OUT <u>3:00 AM</u>	ON LOCATION <u>5:30 AM</u>	JOB START <u>11:30 AM</u>	JOB FINISH <u>12:30</u>
LEASE <u>Clarence</u>		WELL # <u>1</u>	LOCATION <u>Jetmore 2 N 3 1/2 east</u>		COUNTY <u>Hodgeman</u>	STATE <u>Kansas</u>	
OLD OR (NEW) (Circle one)							

CONTRACTOR Beredco # 10
 TYPE OF JOB Longstring "Bottom"
 HOLE SIZE 7 7/8 T.D. 4620'
 CASING SIZE 5 1/2 DEPTH 4616'
 TUBING SIZE DEPTH
 DRILL PIPE Latch down Assy DEPTH 4535'
 TOOL Stage collar DEPTH 1588'
 PRES. MAX 1800# MINIMUM
 MEAS. LINE SHOE JOINT 81'

OWNER Berexco Inc.
 CEMENT
 AMOUNT ORDERED 100 ex 6 5/35 6% Gel
1/4# floccal per ex
150 ex ASC

CEMENT LEFT IN CSG. 81'
 PERFS.
 DISPLACEMENT 72 H²⁰ + 38.5 MUD

COMMON	@		
POZMIX	@		
GEL		<u>3 mt</u>	<u>20.40</u>
CHLORIDE	@		
ASC		<u>150 mt</u>	<u>1683</u>
	@		
ALW		<u>100 mt.</u>	<u>12.80</u>
SALT		<u>6 mt.</u>	<u>23.55</u>
NO SEAL		<u>25 #</u>	<u>2.45</u>
	@		
	@		
	@		
HANDLING		<u>274 mt</u>	<u>2.10</u>
MILEAGE		<u>274 mt 10 24</u>	<u>575.40</u>
			<u>657.60</u>
			<u>TOTAL 5304.25</u>

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 EQUIPMENT
4B. AUG 12 2008
 PUMP TRUCK CEMENTER J.P. David West
 #181 HELPER Shaile Davis
 BULK TRUCK
 #342 DRIVER Carl Staab
 BULK TRUCK
 #344 DRIVER David Juergensen

REMARKS:
Ran 4616' of new 5 1/2 casing. Break circulation
circulate 2 hours. Drop ball set packer shoe.
Mixed 100 ex 6 5/35 6% gel, 1/4# floccal per ex, &
150 ex ASC. Washout pump & lines. Release
latch down plug. Disperm with 72 H²⁰ + 38 1/2
BBL Mud. Land plug at #1800 released and
float held. Drop bomb & open stage collar.
with pump tak.

SERVICE

DEPTH OF JOB <u>4616'</u>		
PUMP TRUCK CHARGE		<u>2144.00</u>
EXTRA FOOTAGE	@	
MILEAGE		<u>24 @ 7.00 168.00</u>
MANIFOLD	@	
Headrental	@	<u>11.00 11.00</u>
Press Recorder N/C	@	
		<u>TOTAL 2423.00</u>

CHARGE TO: Berexco Inc
 STREET P.O. Box 20380
 CITY Wichita STATE Kansas ZIP 67208

RECEIVED
 KANSAS CORPORATION COMMISSION
 AUG 13 2008

To Allied Cementing Co., LLC. CONSERVATION DIVISION
 WICHITA, KS
 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.

PLUG & FLOAT EQUIPMENT

<u>5 1/2 Triplex shoe</u>		<u>1713.00</u>	<u>1713.00</u>
<u>Latch down plug</u>	@	<u>453.00</u>	<u>453.00</u>
<u>Stage collar</u>	@	<u>4420.00</u>	<u>4420.00</u>
<u>11' Centgaliners</u>	@	<u>56.00</u>	<u>616.00</u>
<u>7' Baskets</u>	@	<u>1830.00</u>	<u>1281.00</u>
<u>5' Stop rings</u>	@	<u>28.00</u>	<u>140.00</u>
			<u>8623.00</u>
			<u>TOTAL 8623.00</u>

PRINTED NAME X
 SIGNATURE X Mark Z

SALES TAX (If Any) _____
 TOTAL CHARGES _____
 DISCOUNT _____ IF PAID IN 30 DAYS

Thank you!

ALLIED CEMENTING CO., LLC. 32906

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

SERVICE POINT:
New City

DATE 7-01-08 7-01-08	SEC. 22	TWP. 22	RANGE 23	CALLED OUT <input checked="" type="checkbox"/>	ON LOCATION <input checked="" type="checkbox"/>	JOB START 2:30pm	JOB FINISH 3:30pm
LEASE <i>Clarence</i>		WELL # 1		LOCATION <i>Jetmore 2 north 3 1/2 east</i>		COUNTY <i>Hodgeman</i>	STATE <i>Kansas</i>
OLD OR (NEW) (Circle one)							

CONTRACTOR *Beredco #10*

TYPE OF JOB *Longstring* *Top*

HOLE SIZE *7 7/8* T.D. *4260'*

CASING SIZE *5 1/2" New* DEPTH _____

TUBING SIZE _____ DEPTH _____

DRILL PIPE _____ DEPTH _____

TOOL *Stage collar* DEPTH *1588'*

PRES. MAX *1500** MINIMUM _____

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. _____

PERFS. _____

DISPLACEMENT *38.7 BBLs H²⁰*

OWNER *Berexco Inc.*

CEMENT

AMOUNT ORDERED *400 dx 6 5/35 6% Gel*

1/4" flo seal per dx.

50 dx ASC

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U.B. AUG 12 2008

PUMP TRUCK CEMENTER *J.D.*

#*181* HELPER *Gailen Davis*

BULK TRUCK *KCC*

#*344* DRIVER *David Juergensen*

BULK TRUCK

#*342* DRIVER *Carl Staab*

COMMON	@		
POZMIX	@		
GEL	<i>1 dx</i>	@ <i>20.40</i>	<i>20.40</i>
CHLORIDE	@		
ASC	<i>50 dx</i>	@ <i>16.85</i>	<i>842.50</i>
FLO-SEAL	<i>100 #</i>	@ <i>2.45</i>	<i>245.00</i>
ALW	<i>400 dx</i>	@ <i>12.80</i>	<i>5120.00</i>
SALT	<i>3 dx</i>	@ <i>23.25</i>	<i>69.75</i>
	@		
	@		
	@		
	@		
	@		
HANDLING	<i>482 dx</i>	@ <i>2.10</i>	<i>592.20</i>
MILEAGE	<i>482 mt. 10 24</i>	@ <i>24</i>	<i>1156.80</i>
TOTAL			<i>8046.65</i>

REMARKS:

Circulate hole 2 hours

Plug rat hole with 15 dx. Manohole w 100 dx.

Hook to casing & mixed 400 dx 6 5/35

6% gel 1/4", Released closing plug & displaced

38.7 BBLs fresh H²⁰.

Landed plug at #1500 & closed

stage collar. Released & held.

Cement did circulate to pit

SERVICE

DEPTH OF JOB *1588'*

PUMP TRUCK CHARGE _____ *1170.00*

EXTRA FOOTAGE _____ @ _____

MILEAGE *24* @ *7.00* *NC*

MANIFOLD _____ @ _____

Press Recorder *N/C* @ _____

CHARGE TO: *Berexco Inc.*

STREET *P.O. Box 20380*

CITY *Wichita* STATE *Kansas* ZIP *67208*

TOTAL *1170.00*

RECEIVED
KANSAS CORPORATION COMMISSION

AUG 13 2008

To Allied Cementing Co., LLC. CONSERVATION DIVISION
WICHITA, KS
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.

PRINTED NAME *X*

SIGNATURE *Mark Feil*

PLUG & FLOAT EQUIPMENT

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

TOTAL _____

SALES TAX (If Any) _____

TOTAL CHARGES _____

DISCOUNT _____ IF PAID IN 30 DAYS

Thank you!

JUL 29 2008

**BEREXCO, INC.
CLARENCE #1
E2NENW SECTION 22 T22S-R23W
HODGEMAN COUNTY, KANSAS**

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KANSAS CORPORATION COMMISSION

AUG 13 2008

CONSERVATION DIVISION
WICHITA, KS

**GEOLOGIST
WILLIAM B. BYNOG**

RESUME

OPERATOR: BEREXCO, INC.
WELL NAME & NUMBER: CLARENCE # 1
LOCATION: E2NENW SECTION 22 T22N-R23W
COUNTY: HODGEMAN
STATE: KANSAS
SPUD DATE: 6-21-2008 COMPLETION DATE: 7-1-2008
ELEVATIONS: GL: 2341' KB: 2352'
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 4555-4610, DST#2 4610-20
WELL STATUS: RAN PRODUCTION CASING

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SUMMARY AND CONCLUSION

Clarence # 1 was drilled a total depth of 4620 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 Mississippian Dolomite at 4596 came in eight feet low to the prognosis and tight in the first ten feet but had good shows with poor to fair porosity development. Drill stem test # 1 4555-4610 recovered only 5 feet of drilling mud (10% oil). Drilling continued for another ten feet encountering a better developed microsucrosic Dolomite with very good oil shows that was tested on drill stem test # 2. Drill stem test # 2 recovered 600 feet of gas in pipe, 60 feet of clean oil, 3602 feet of gassy oil (20% gas, 80% oil) and 120 feet of gassy muddy oil (20% gas, 40% oil and 40% mud with good pressures.

Logs agreed with sample evaluation recording wet zones in upper Lansing Kansas City, Marmaton, Pawnee and Fort Scott sections. The Mississippian section has fair to good porosity development and tested oil on drill stem test # 2. A decision was made to stop drilling and run production casing on the very favorable drill stem test # 2 in the upper Mississippian Dolomite.

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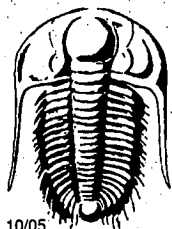
KCC

FORMATION TOPS

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AUG 1
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FORMATION	DEPTH (LOGS)
STONE CORRAL	1570(+782)
TOPEKA	
35' ZONE	
PLATTSMOUTH	
HIEBNER	3916(-1564)
TORONTO	3930(-1578)
LANSING A	3970(-1618)
SWOPE	4240(-1888)
HERTHA	4278(-1926)
BKC	
MARMATON	4356(-2004)
PAWNEE	4422(-2070)
FORT SCOTT	4504(-2152)
CHEROKEE	4532(-2180)
MISSISSIPPI	4596(-2244)



TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

31376

Test Ticket

Well Name & No. Clarence #1 Test No. #1 Date 6-29-08
 Company Borexco Inc. Zone Tested M.S.S
 Address P.O. Box 20380 Wichita, KS 67208 Elevation 2352 KB 2341 GL
 Co. Rep / Geo. Bryan Bying Rig Buriedo #10
 Location: Sec. 22 Twp. 225 Rge. 23W Co. Hodgeman State KS
 Comment: _____ Release date / time: _____

Interval Tested 4555 4610 Initial Str Wt./Lbs. 48,000 Unseated Str Wt/Lbs. 48,000
 Anchor Length _____ Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 7,000
 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 228'
 Mud Wt. _____ LCM _____ Vis. _____ WL _____ Drill Pipe Size 4 1/2" Ft. Run _____

Blow Description CONFIDENTIAL
Blow and in 13 min
AK-1 2288'
No blow
No return

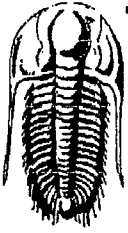
Recovery - Total Feet 5' GIP _____ Ft. in DC 5' Ft. in DP _____
 Rec. 5' Feet of 50cm %gas 10 %oil _____ %water 90 %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 BHT 128 °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides 4000 ppm System

	AK-1	Alpine	Recorder No.	Test x
(A) Initial Hydrostatic Mud	<u>2294</u>	PSI	<u>6667</u>	_____
(B) First Initial Flow Pressure	<u>21</u>	PSI	(depth) <u>4556</u>	Jars <u>✓</u>
(C) First Final Flow Pressure	<u>26</u>	PSI	Recorder No. <u>6771</u>	Safety Jt. <u>✓</u>
(D) Initial Shut-In Pressure	<u>1321</u>	PSI	(depth) <u>4556</u>	Circ Sub <u>✓ N/C</u>
(E) Second Initial Flow Pressure	<u>25</u>	PSI	Recorder No. _____	Sampler _____
(F) Second Final Flow Pressure	<u>35</u>	PSI	(depth) _____	Straddle _____
(G) Final Shut-In Pressure	<u>1376</u>	PSI	Initial Opening <u>15</u>	Ext. Packer _____
(Q) Final Hydrostatic Mud	<u>2190</u>	PSI	Initial Shut-In <u>30</u>	Shale Packer _____
			Final Flow <u>30</u>	Ruined Packer _____
			Final Shut-In <u>60</u>	Mileage <u>X 168 RT</u>

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 W. G. Bying
 Our Representative [Signature]

T-On Location 06:50 4:00 PM
 T-Started 07:40 4:00 PM
 T-Open 09:50 4:00 PM
 T-Pulled 12:05 7:00 PM
 T-Out 14:30 7:00 PM
 Sub Total: _____
 Std. By: _____
 Acc. Chg: _____
 Other: _____
 Total: _____



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Berexco Inc
 p.o. box 20380
 Wichita, Ks
 67208
 ATTN: Berexco Inc

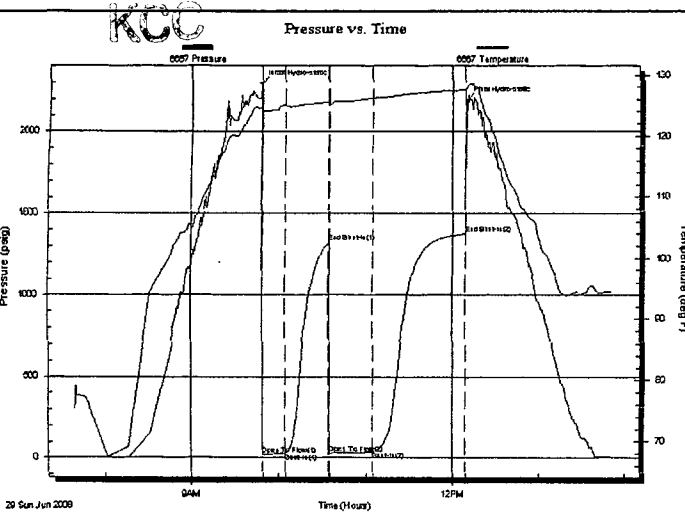
Clarence #1
 22-22-23 Hodgeman, Ks
 Job Ticket: 31376 DST#: 1
 Test Start: 2008.06.29 @ 07:40:05

GENERAL INFORMATION:

Formation: Miss
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 09:49:15
 Time Test Ended: 14:35:29
 Interval: 4555.00 ft (KB) To 4610.00 ft (KB) (TVD)
 Total Depth: 4610.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole
 Tester: Shane McBride
 Unit No: 40
 Reference Elevations: 2352.00 ft (KB)
 2344.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 6667 Inside
 Press@RunDepth: 35.78 psig @ 4556.00 ft (KB) Capacity: 7000.00 psig
 Start Date: 2008.06.29 End Date: 2008.06.29 Last Calib.: 2008.06.29
 Start Time: 07:40:05 End Time: 13:51:29 Time On Btm: 2008.06.29 @ 09:48:15
 Time Off Btm: 2008.06.29 @ 12:09:45

TEST COMMENT: 1/4" in blow died in 13 min
 No return
 No blow
 No return
 AUG 12 2008



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2294.85	124.61	Initial Hydro-static
1	21.01	124.12	Open To Flow (1)
17	26.76	124.94	Shut-In(1)
47	1321.32	125.50	End Shut-In(1)
47	29.31	125.12	Open To Flow (2)
77	35.78	126.16	Shut-In(2)
141	1376.71	127.56	End Shut-In(2)
142	2190.22	127.85	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	s o c m 10% o 90% m	0.02

Gas Rates

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

Pressure & Temperature: Recorder# 6667

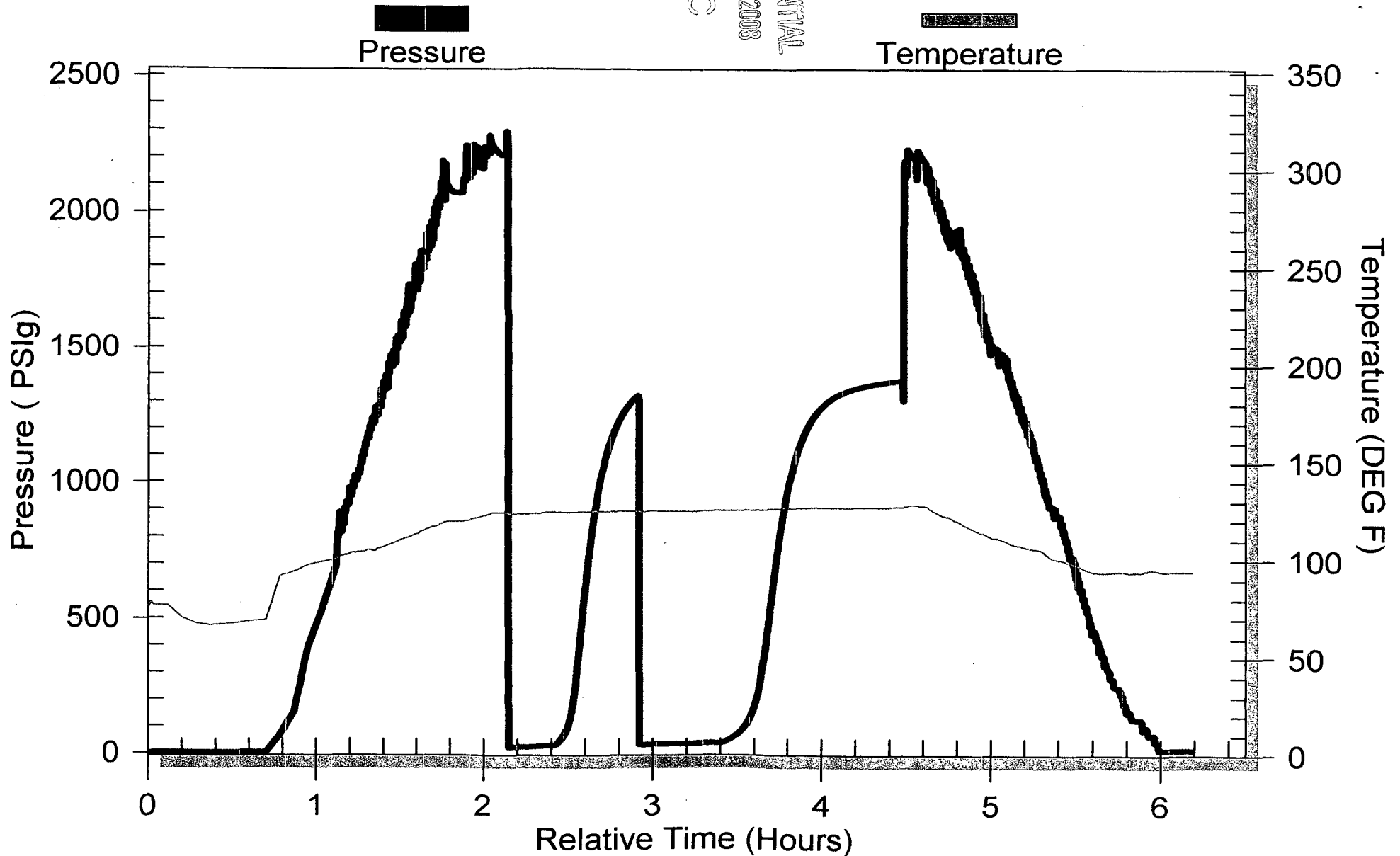
Every 1 Points are Plotted.

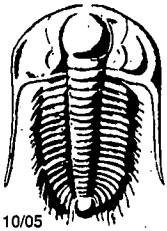
Run ID: 31376 DST #1 Berexco Inc Clarence #1

Start Time: Sun Jun 29 07:40:00 2008

File: C:\Test Data\62980740.667

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TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

31377

Test Ticket

Well Name & No. Clarence #1 Test No. #2 Date 6-30-08
 Company Enxco Inc Zone Tested M:15
 Address P.O. Box 20380 Wichita KS 67208 Elevation 2352 KB 2341 GL
 Co. Rep / Geo. Bryan Bryng Rig Beredo #10
 Location: Sec. 22 Twp. 22S Rge. 23W Co. Adgerman State KS
 Comment: _____ Release date / time: _____

Interval Tested 4610 4620 Initial Str Wt./Lbs. 48000 Unseated Str Wt./Lbs. 58000
 Anchor Length _____ 10 Wt. Set Lbs. 25000 Wt. Pulled Loose/Lbs. 80000
 Top Packer Depth _____ 4605 Tool Weight 1500
 Bottom Packer Depth _____ 4610 Hole Size 7 7/8" Rubber Size 6 3/4"
 Total Depth _____ 4620 Wt. Pipe Run _____ Drill Collar Run 228'
 Mud Wt. 9.4 LCM #1 Vis. 54 WL 9.4 Drill Pipe Size _____ Ft. Run 4389'

Blow Description BOB in 1 min.
Blow off for 4 min Return blow built to 11" in.

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Blow off for 4 min Return blow built to 3" in died in 65 min

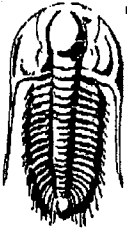
Recovery Total Feet 3782' GIP 600' Ft. in DC 228' Ft. in DP 3554'
 Rec. 100' Feet of CGO 20 %gas 60%oil %water %mud
 Rec. 3602' Feet of reversed out 20 %gas 80%oil %water %mud
 Rec. 120' Feet of gmo 20%gas 40 %oil %water 40% mud
 Rec. _____ Feet of (under circ sub) %gas %oil %water %mud
 Rec. _____ Feet of _____ %gas %oil %water %mud
 BHT 138° °F Gravity 39 °API D @ 110° °F Corrected Gravity 34 °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides 4000 ppm System

	AK-1	Alpine	Recorder No.	Test x
(A) Initial Hydrostatic Mud	<u>2324</u>	PSI	<u>6667</u>	Jars _____
(B) First Initial Flow Pressure	<u>220</u>	PSI (depth)	<u>4611</u>	Safety Jt. _____
(C) First Final Flow Pressure	<u>677</u>	PSI	<u>6771</u>	Circ SubX <u>50°</u>
(D) Initial Shut-In Pressure	<u>1411</u>	PSI (depth)	<u>4611</u>	Sampler _____
(E) Second Initial Flow Pressure	<u>722</u>	PSI	Recorder No. _____	Straddle _____
(F) Second Final Flow Pressure	<u>1349</u>	PSI (depth)	Recorder No. _____	Ext. Packer _____
(G) Final Shut-In Pressure	<u>1436</u>	PSI	Initial Opening <u>15</u>	Shale Packer _____
(Q) Final Hydrostatic Mud	<u>2259</u>	PSI	Initial Shut-In <u>30</u>	Ruined Packer <u>X</u>

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.

Final Flow 60 Mileage X58RT
 Final Shut-In 90 Sub Total: _____
 T-On Location 22:50 p.m. Std. By X
 T-Started 23:00 p.m. Acc. Chg: _____
 T-Open 01:40 a.m. Other: _____
 T-Pulled 04:55 a.m. Total: _____
 T-Out 13:20 p.m.

Approved By [Signature]
 Our Representative [Signature]



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Berexco Inc
 p.o. box 20380
 Wichita, Ks
 67208
 ATTN: Berexco Inc

Clarence #1
22-22-23 Hodgeman, Ks
 Job Ticket: 31377 DST#: 2
 Test Start: 2008.06.29 @ 23:00:05

GENERAL INFORMATION:

Formation: Miss
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole
 Time Tool Opened: 01:38:45
 Tester: Shane McBride
 Time Test Ended: 13:20:45
 Unit No: 40
 Interval: 4610.00 ft (KB) To 4620.00 ft (KB) (TVD)
 Reference Elevations: 2352.00 ft (KB)
 Total Depth: 4620.00 ft (KB) (TVD)
 2341.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 KB to GR/CF: 11.00 ft

Serial #: 6667 Inside
 Press@RunDepth: 1349.95 psig @ 4611.00 ft (KB) Capacity: 7000.00 psig
 Start Date: 2008.06.29 End Date: 2008.06.30 Last Calib.: 2008.06.30
 Start Time: 23:00:05 End Time: 12:58:45 Time On Btm: 2008.06.30 @ 01:38:15
 Time Off Btm: 2008.06.30 @ 04:57:14

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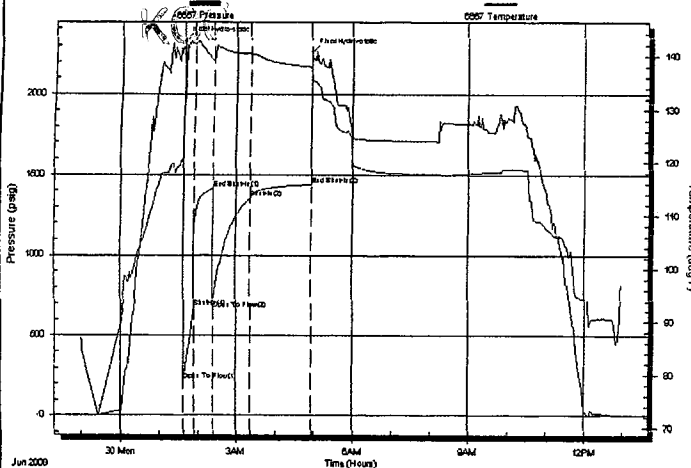
TEST COMMENT: B.O.B. in 1 min.
 Bled off for 4 min return blow built to 11" in
 B.O.B. in 1 min.
 Bled off for 4 min return blow built to 3" in died in 65 min

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Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2324.23	121.01	Initial Hydro-static
1	220.35	127.65	Open To Flow (1)
17	677.91	142.15	Shut-In(1)
46	1411.18	139.24	End Shut-in(1)
47	722.90	138.83	Open To Flow (2)
105	1349.95	140.45	Shut-In(2)
199	1436.41	138.05	End Shut-In(2)
199	2259.10	137.69	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	under circ sub g m o 20g 40m 40o	0.59
3602.00	reversed out c g o 20g 80o	31.08
60.00	c g o 20g 80o	0.52
	<i>600' GAS in Pipe.</i>	

Gas Rates

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

Pressure & Temperature: Recorder# 6667

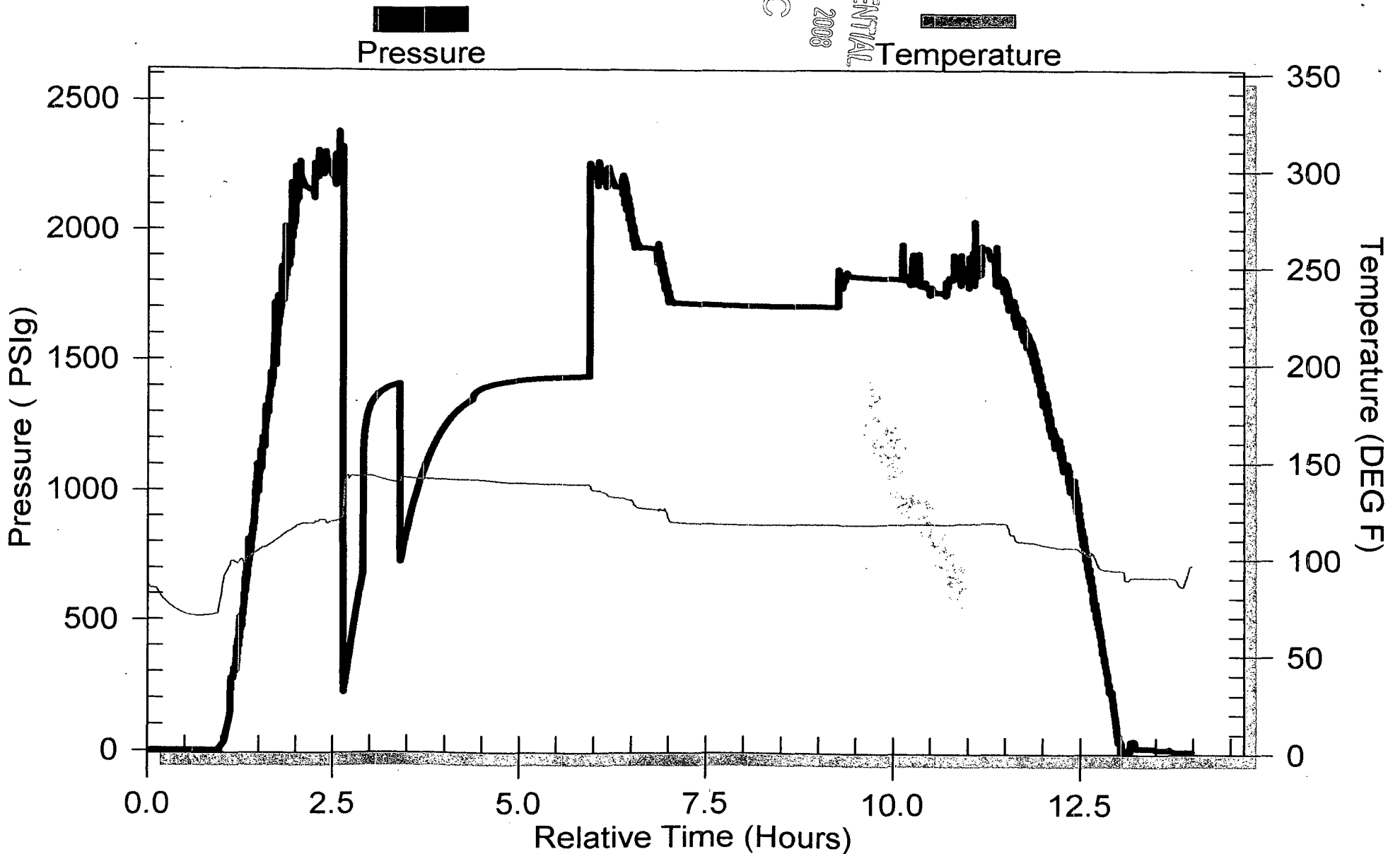
Every 1 Points are Plotted.

Run ID: 31377 DST #2 Berexco Inc Clarence #1

Start Time: Sun Jun 29 23:00:00 2008

File: C:\Test Data\62982300.667

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LITHOLOGY

3700-3780 Limestone buff, hard, fossiliferous

3780-3915 Limestone buff, firm, very fossiliferous, good porosity

HEEBNER

3915-20 Shale black, firm, carbonaceous

3920-30 Shale green, soft

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3930-50 Limestone cream, buff, firm, microcrystalline, fossiliferous, fair porosity

KCC
3950-70 Shale green, firm, waxy

LANSING

3970-90 Limestone tan, buff, very hard, dense, abundant Chert white

3990-4000 Shale green, red, soft

4000-10 Limestone white, hard, dense

4010-25 Shale as above

4025-40 Limestone tan, buff, firm, fossiliferous, good porosity

4040-70 Limestone buff, hard, dense, abundant Chert white

4070-80 Shale gray, green, firm, waxy

4080-4100 Limestone buff, hard, dense, abundant Chert white

4100-10 Shale as above

4110-20 Limestone as above

- 4120-40 Limestone buff, firm, microsucrosic, fair to good porosity
- 4140-50 Shale black, firm, carbonaceous
- 4150-4200 Limestone buff, hard, dense, abundant Chert white with thin interbedded Shale as above
- 4200-25 Limestone buff, firm, very oolitic, good moldic porosity
- 4225-40 Limestone buff, hard, dense abundant Chert white
- 4240-45 Shale black, firm, carbonaceous

SWOPE

- 4245-80 Limestone buff, white, firm, chalky, fair vuggy porosity

HERTHA

- 4280-4300 Limestone buff, hard, microcrystalline, dense with thin Shale gray, green, firm

- 4300-50 Limestone buff, hard, dense

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 4350-60
 AUG 12 2008

- 4350-60 Shale gray, green, red, soft-firm

- 4360-85 Limestone tan, buff, hard, microcrystalline, dense

RUC

- 4385-95 Shale gray, gray black

- 4395-4420 Limestone buff, hard, microcrystalline, poor vuggy porosity

- 4420-24 Shale black, firm, carbonaceous

PAWNEE

- 4424-30 Limestone buff, white, firm, chalky, poor vuggy porosity

- 4430-35 Shale as above

- 4435-90 Limestone buff, hard, dense

- 4490-4500 Shale green, brown, firm

- 4500-05 Shale black, firm, carbonaceous



OPERATOR Berexco Inc. CONTRACTOR Beredco RIG NO. 10
 ADDRESS CO ADDRESS R-9 SPUD DATE 6-21-08
 REPORT FOR MR. Bryan B REPORT FOR MR. Marvin SECTION, TOWNSHIP, RANGE 22-22-23
 WELL NAME AND NO. Clarence #1 FIELD OR BLOCK NO. COUNTY AREA Hodgeman STATE KS

Drilling Assembly			Casing		Mud Volume (BBL)		Circulation Data		
Bit Size <u>7 7/8"</u>	No. Bits <u>2</u>	Jet Size <u>3/14</u>	Surface <u>8 1/8" @ 270'</u>	Hole <u>280'</u>	Pits <u>270'</u>	Pump Size x in. <u>6 x 14</u>	Annular Vel (Ft/Min) DP <u>197 DC 356</u>		
Drill Pipe Size <u>4 1/2"</u>	Type <u>XN</u>	Length	Intermediate @	Fl.	Total Circulating Volume <u>350</u>	Pump Make, Model	Assumed Eff. <u>70</u>	Circulation Pressure (PSI) <u>800+</u>	
Drill Collar Size <u>6 1/4"</u>	Length	No. Pits <u>3</u>	Production or Liner @	Fl.	Mud Up Depth <u>3650</u>	Bbl/Stroke <u>1.57</u>	Stroke/Min. <u>60</u>	Bottoms Up (Min.) <u>35+</u>	
Bit RPM <u>60</u>	Weight on Bit <u>39,000</u>	Mud Type <u>Chemical Pac</u>		Bbl/Min. <u>8</u>	Gal/Min. <u>336</u>	Total Circ Time (Min.) <u>69+</u>			
Last Bit No.	Present Activity <u>Drlog</u>			Elevation <u>2360</u>					

Sample from: <input checked="" type="checkbox"/> Flowline () Pit	MUD PROPERTIES		
Flowing Temperature F			
Time Sample Taken <u>10:10 A.M.</u>	<u>3661</u>	<u>8.6</u>	<input checked="" type="checkbox"/>
Depth (ft.)	<u>3661</u>	<u>4.47</u>	<input checked="" type="checkbox"/>
Weight <input checked="" type="checkbox"/> (ppg) <input type="checkbox"/> (lb/cu ft.)	<u>CONFIDENTIAL</u>	<u>53</u>	<input checked="" type="checkbox"/>
Mud Gradient (psi/ft.)	<u>2008</u>	<u>21</u>	<input checked="" type="checkbox"/>
Funnel Viscosity (sec./100 ml) API at <u>2008</u> °F	<u>10</u>	<u>3.12</u>	<u>1 1</u>
Plastic Viscosity cp at <u>2008</u> °F	<u>10</u>	<u>11</u>	<input checked="" type="checkbox"/>
Yield Point (lb./100 sq. ft.) <u>KCC</u>	<u>10</u>	<u>8.0</u>	<input checked="" type="checkbox"/>
Gel Strength (lb./100 sq. ft.) <u>10</u> sec./10 min.	<u>10</u>	<u>11</u>	<input checked="" type="checkbox"/>
pH <input checked="" type="checkbox"/> Strip <input type="checkbox"/> Meter	<u>11</u>	<u>11</u>	<input checked="" type="checkbox"/>
Filtrate API (ml./30 min.)	<u>8.0</u>	<u>11</u>	<input checked="" type="checkbox"/>
API HP-HT Filtrate (ml./30 min.) °F	<u>1/32</u>	<u>2.9</u>	<input checked="" type="checkbox"/>
Cake Thickness 32nd in. API <input checked="" type="checkbox"/> HP-HT <input type="checkbox"/>	<u>1/32</u>	<u>1.1</u>	<u>1 1</u>
Alkalinity, Mud (Pm)	<u>1.1</u>	<u>4.800</u>	<input checked="" type="checkbox"/>
Alkalinity, Filtrate (Pf / Mf)	<u>1.1</u>	<u>20</u>	<input checked="" type="checkbox"/>
Salt <input type="checkbox"/> ppm <input type="checkbox"/> spg Chloride <input type="checkbox"/> ppm <input type="checkbox"/> spg	<u>4.800</u>	<u>4.8</u>	<input checked="" type="checkbox"/>
Calcium <input checked="" type="checkbox"/> ppm <input type="checkbox"/> Gyp (ppb)	<u>20</u>	<u>1.8</u>	<input checked="" type="checkbox"/>
Sand Content (% by Vol.)	<u>4.8</u>	<u>98.2</u>	<input checked="" type="checkbox"/>
Solids Content (% by Vol.)	<u>4.8</u>	<u>3/4#</u>	<input checked="" type="checkbox"/>
Oil Content (% by Vol.)	<u>4.8</u>	<u>3/4#</u>	<input checked="" type="checkbox"/>
Water Content (% by Vol.)	<u>4.8</u>	<u>3/4#</u>	<input checked="" type="checkbox"/>
LCM, #/bbl*	<u>4.8</u>	<u>3/4#</u>	<input checked="" type="checkbox"/>
Methylene Blue Capacity <input type="checkbox"/> (ml/ml mud) <input type="checkbox"/> (equiv. #/bbl. bent.)	<u>4.8</u>	<u>3/4#</u>	<input checked="" type="checkbox"/>

Mud Used:	Cost
<u>1-PHPA</u>	<u>280.00</u>
<u>206-Gel</u>	<u>2358.70</u>
<u>52-Hulls</u>	<u>1089.40</u>
<u>18-Soda ash</u>	<u>377.10</u>
<u>6-Caustic</u>	<u>304.50</u>
<u>6-Lignite</u>	<u>131.70</u>
<u>5-Lime</u>	<u>54.75</u>
<u>3-Driscopac</u>	<u>960.00</u>
Daily Cost <u>\$5,556.15</u>	Cumulative Cost <u>\$5,556.15</u>

MUD PROPERTIES SPECIFICATIONS		
WEIGHT <u>9.5</u>	VISCOSITY <u>50+</u>	FILTRATE <u>10cc</u>

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

RECOMMENDED TREATMENT	
<input type="checkbox"/>	<u>50+ lbs/Gel</u>
<input type="checkbox"/>	<u>Low as needed</u>
<input type="checkbox"/>	<u>Wt. 9.5 or less run @ 1/2"</u>
<input type="checkbox"/>	<u>Stream of water at flowline</u>
<input type="checkbox"/>	<u>to control wt.</u>

REMARKS: Thank you
Reserve Pit - Chlorides - 72,000 Calcium - 2,400 Volume - 500
Premix - 80 bbls fresh water mix - 22-Gel 4-Soda ash 2-Caustic 2-Lignite 1/2-Sack of Driscopac 8-Hulls
Short trip prior to DST, Log Circulate, hole clean
Keep hole full
add premix to system for volume
11 T. in well

ANDY'S "Mud Doctor"

MUD & CHEMICAL CO.

(785) 625-3531
HAYS, KANSAS 67601



DRILLING MUD REPORT

REPORT NO. **3**

DATE **6-27-08** 20 **08** DEPTH **4145**

APT WELL NO.	STATE	COUNTY	WELL	S/T

OPERATOR Depexco Inc.	CONTRACTOR Beredco	RIG NO. 10
ADDRESS CO	ADDRESS Rig	SPUD DATE 6-21-08
REPORT FOR MR. Bryan B.	REPORT FOR MR. Marvin	SECTION, TOWNSHIP, RANGE 22-22-23
WELL NAME AND NO. Clarence #1	FIELD OR BLOCK NO.	COUNTY AREA Hodgeman
		STATE KS

Drilling Assembly			Casing	Mud Volume (BBL)		Circulation Data		
Bit Size 7 7/8"	No. Bits 2	Jet Size 3/16"	Surface 8 7/8" @ 270'	Hole 311	Pits 320	Pump Size x in. 6 14	Annular Vel (Ft/Min) DP 197 DC 356	
Drill Pipe Size 4 1/2"	Type xh	Length	Intermediate @	Total Circulating Volume 631		Pump Make, Model 2	Assumed Eff. 70	Circulation Pressure (PSI) 800+
Drill Collar Size 6 1/4"	Length	No. Pits 3	Production or Liner @	Mud Up Depth 3650		Bbl/Stroke 139	Stroke/Min. 60	Bottoms Up (Min.) 39+
Bit RPM 60	Weight on Bit 30000		Mud Type Chemical Pac	Bbl/Min. 8	Gal/Min.	Total Circ Time (Min.) 79+		
Last Bit No.	Present Activity Dry			Elevation 2360				

Sample from	Flowing	Pit	MUD PROPERTIES	
Flowing Temperature	<input checked="" type="checkbox"/>	<input type="checkbox"/>	CONFIDENTIAL	
Time Sample Taken			11:00 AM	
Depth (ft.)			4145	
Weight <input checked="" type="checkbox"/> (ppg) <input type="checkbox"/> (lb./cu.-ft.)			9.1	<input checked="" type="checkbox"/>
Mud Gradient (psi/ft.)			4.74	
Funnel Viscosity (sec./qt.) API at °F			42	<input checked="" type="checkbox"/>
Plastic Viscosity cp at / °F			20	
Yield Point (lb./100 sq. ft.)			10	
Gel Strength (lb./100 sq. ft.) 10 sec./10 min.			3.9	<input type="checkbox"/> <input type="checkbox"/>
pH <input checked="" type="checkbox"/> Strip <input type="checkbox"/> Meter			11.0	
Filtrate API (ml./30 min.)			9.0	<input checked="" type="checkbox"/>
API HP-HT Filtrate (ml/30 min.) °F				
Cake Thickness 32nd in. API <input checked="" type="checkbox"/> HP-HT <input type="checkbox"/>			1/32	
Alkalinity, Mud (Pm)			2.3	
Alkalinity, Filtrate (Pf / Mf)			1.6	<input type="checkbox"/> <input type="checkbox"/>
Salt <input type="checkbox"/> ppm <input type="checkbox"/> Chloride <input type="checkbox"/> ppm <input type="checkbox"/> ppm			3200	<input checked="" type="checkbox"/>
Calcium <input checked="" type="checkbox"/> ppm <input type="checkbox"/> Gyp (ppb)			20	
Sand Content (% by Vol.)			tr	
Solids Content (% by Vol.)			5.5	
Oil Content (% by Vol.)				
Water Content (% by Vol.)			74.5	
LCM, #/bbl			2#	
Methylene Blue Capacity <input type="checkbox"/> (ml/ml mud) <input type="checkbox"/> (equiv. #Bbl. bent.)				

Mud Used:	
54-Gel	618.30
16-Hulls	335.20
9-Soda ash	188.55
4-Caustic	203.00
4-Lignite	87.80
1-Drispac	320.00

Daily Cost	\$1,752.85	Cumulative Cost	\$7,309.00
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MUD PROPERTIES SPECIFICATIONS		
WEIGHT 9.5	VISCOSITY 50+	FILTRATE 10cc

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

RECOMMENDED TREATMENT
<input type="checkbox"/> 50+ VIS/Gel
<input type="checkbox"/>
<input type="checkbox"/> Low as needed
<input type="checkbox"/>
<input type="checkbox"/> wt. 9.5 or less run @ 1/2"
<input type="checkbox"/> stream of water at 4/16" distance
<input type="checkbox"/> to control wt.

REMARKS:

"Thank you"
Short trip prior to DST, Log
Circulate hole clean.
"Keep hole full"
Premix: Pit mud
mix - 20-Gel
1-Caustic
6-Hulls
1/2-Sacks of Drispac
add premix 1/2 hr
to system.
Suck up Pit mud add
Gel as needed for VIS.

ANDY'S "Mud Doctor"

MUD & CHEMICAL CO.

(785) 625-3531
HAYS, KANSAS 67601



DRILLING MUD REPORT

REPORT NO. 4

DATE <u>6-28</u>	20 <u>08</u>	DEPTH <u>4506</u>		
APT WELL NO.	STATE	COUNTY	WELL	ST

OPERATOR <u>Beresco, Inc</u>	CONTRACTOR <u>Beresco Drilling</u>	RIG NO. <u>#10</u>
ADDRESS <u>Co.</u>	ADDRESS <u>Rig</u>	SPUD DATE <u>6-21-08</u>
REPORT FOR MR. <u>Bryan Bryson (Geo)</u>	REPORT FOR MR. <u>Marvin Julian</u>	SECTION, TOWNSHIP, RANGE <u>22-225-23W</u>
WELL NAME AND NO. <u>Clarence #1</u>	FIELD OR BLOCK NO.	COUNTY AREA <u>Hedgerman</u>
		STATE <u>Ks</u>

Drilling Assembly			Casing	Mud Volume (BBL)	Circulation Data		
Bit Size <u>7 7/8</u>	No. Bits	Jet Size	Surface <u>8 5/8 @ 270 Ft.</u>	Hole <u>334</u>	Pits <u>400</u>	Pump Size x in. <u>6 x 14</u>	Annular Vel (Ft/Min) DP <u>197</u> DC <u>356</u>
Drill Pipe Size <u>4 1/2</u>	Type <u>XH</u>	Length	Intermediate <u>9</u>	Total Circulating Volume <u>734</u>		Pump Make, Model <u>E490</u>	Circulation Pressure (PSI) <u>800+</u>
Drill Collar Size <u>6 1/4</u>	Length	No. Pits <u>3</u>	Production or Liner <u>9</u>	Mud Up Depth <u>3650</u>		Bbl/Stroke <u>.139</u>	Stroke/Min. <u>60</u>
Bit RPM <u>60</u>		Weight on Bit <u>30000</u>				Bbl/Min. <u>8.0</u>	Gal/Min. <u>336</u>
Last Bit No.	Present Activity <u>Drilling</u>		Mud Type <u>Chemical mud</u>			Elevation <u>2360GL</u>	Total Circ Time (Min.) <u>92</u>

MUD PROPERTIES	
Sample from <input checked="" type="checkbox"/> Flowline () Pit	
Flowing Temperature F	
Time Sample Taken	<u>12pm</u>
Depth (ft.)	<u>4506</u>
Weight <input checked="" type="checkbox"/> (ppg) <u>CONFIDENTIAL</u>	<u>9.4</u>
Mud Gradient (psi/ft.)	<u>.489</u>
Funnel Viscosity (sec./qt.) <u>2000</u> at <u>2000</u> °F	<u>48</u>
Plastic Viscosity cp at /	<u>22</u>
Yield Point (lb./100 sq. ft.) <u>KOC</u>	<u>16</u>
Gel Strength (lb./100 sq. ft.) 10 sec./10 min.	<u>10/15</u>
pH <input checked="" type="checkbox"/> Strip <input type="checkbox"/> Meter	<u>10.0</u>
Filtrate API (ml./30 min.)	<u>8.0</u>
API HP-HT Filtrate (ml./30 min.) °F	
Cake Thickness 32nd in. API <input checked="" type="checkbox"/> HP-HT <input type="checkbox"/>	<u>1/32</u>
Alkalinity, Mud (Pm)	<u>.8</u>
Alkalinity, Filtrate (Pf / Mf)	<u>.5/-</u>
Salt <input type="checkbox"/> ppm <input type="checkbox"/> Chloride <input type="checkbox"/> ppm	<u>4000</u>
Calcium <input checked="" type="checkbox"/> ppm <input type="checkbox"/> Gyp (ppb)	<u>20</u>
Sand Content (% by Vol.)	<u>Trace</u>
Solids Content (% by Vol.)	<u>7.6</u>
Oil Content (% by Vol.)	<u>---</u>
Water Content (% by Vol.)	<u>92.4</u>
LCM, #/bbl	<u>1 1/2</u>
Methylene Blue Capacity <input type="checkbox"/> (ml/ml mud) <input type="checkbox"/> (equiv. #/bbl bent.)	<u>---</u>

MUD PROPERTIES SPECIFICATIONS	
WEIGHT <u>9.0-9.4</u>	VISCOSITY <u>50-55</u>
FILTRATE <u>10-12cc</u>	

Daily Cost <u>\$997.05</u>	Cumulative Cost <u>\$28306.05</u>
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BY AUTHORITY: OPERATOR'S WRITING DRILLING CONTRACTOR
 OPERATOR'S REPRESENTATIVE OTHER

- RECOMMENDED TREATMENT
- Maintain viscosity @ 50-55 ml/qt
 - while drilling or testing w/ gel as needed
 -
 - Run stream of water at flowline
 - to control wt 9.0-9.4 / gal.
 -
 - LCM as needed.

REMARKS:

Always keep hole full & pipe moving.

Short trip pipe, circulate to condition hole prior to casing out for test or log.

** Maintain every 24 hr treatment:*

- 1 gal of 4 viscosity*
- 2 cells ash*
- 1 ceustic*
- 1/8 lignite*
- 1/8 Drispac*
- 2-4 hulls*

** Prior to dily into overbuckle mud*

- 20 hulls and LCM 4-6 #/bbl.*



DRILLING MUD REPORT

REPORT NO. 5

DATE	<u>6-29</u>	20	<u>08</u>	DEPTH	<u>4610</u>
APT WELL NO.		STATE	COUNTY	WELL	S/T

OPERATOR <u>Berexco Inc.</u>	CONTRACTOR <u>Beredco</u>	RIG NO. <u>10</u>
ADDRESS <u>CO</u>	ADDRESS <u>R3</u>	SPUD DATE <u>6-21-08</u>
REPORT FOR MR. <u>Bryan B.</u>	REPORT FOR MR. <u>MARVIN</u>	SECTION, TOWNSHIP, RANGE <u>22-22-23</u>
WELL NAME AND NO. <u>Clarence #1</u>	FIELD OR BLOCK NO.	COUNTY AREA <u>Hodgeman</u>
		STATE <u>KS</u>

Drilling Assembly			Casing		Mud Volume (BBL)		Circulation Data		
Bit Size <u>7 7/8"</u>	No. Bits <u>2</u>	Jet Size <u>3/14</u>	Surface <u>8 7/8 @ 20'</u>	Hole <u>340</u>	Pits <u>330</u>	Pump Size x in. <u>6 14</u>	Annular Vel (Ft/Min) DP <u>197 256</u>		
Drill Pipe Size <u>4 1/2</u>	Type <u>XH</u>	Length	Intermediate <u>@</u>	Total Circulating Volume <u>670</u>		Pump Make, Model <u>ESD</u>	Assumed Pressure (PSI) <u>800+</u>		
Drill Collar Size <u>6 1/4</u>	Length	No. Pits <u>3</u>	Production or Liner <u>@</u>	Mud Up Depth <u>3650</u>		Bbl/Stroke <u>.139</u>	Stroke/Min. <u>60</u>	Bottoms Up (Min.) <u>43+</u>	
Bit RPM <u>60</u>	Weight on Bit <u>30000</u>	Mud Type <u>Chemical Pac</u>		Bbl/Min. <u>8</u>	Gal/Min. <u>336</u>	Total Circ Time (Min.) <u>84+</u>			
Last Bit No.	Present Activity <u>DST</u>	Mud Type <u>Pac</u>		Elevation <u>2360</u>					

MUD PROPERTIES	
Sample from <input type="checkbox"/> Flowline <input checked="" type="checkbox"/> Pit	
Flowing Temperature <u>F</u>	
Time Sample Taken <u>11:30 A.M.</u>	
Depth (ft.) <u>4610</u>	
Weight <input checked="" type="checkbox"/> (ppg) <input type="checkbox"/> (lb./cu. ft.) <u>9.37</u> ✓	
Mud Gradient (psi/ft.) <u>.484</u>	
Funnel Viscosity (see note) <u>54</u> ✓	
Plastic Viscosity cp at 12 2000 °F <u>24</u>	
Yield Point (lb./100 sq. ft.) <u>19</u>	
Gel Strength (lb./100 sq. ft.) 10 sec./10 min. <u>318</u> 1 1	
pH <input checked="" type="checkbox"/> Strip <input type="checkbox"/> Meter <u>10</u>	
Filtrate API (ml./30 min.) <u>9.4</u> ✓	
API HP-HT Filtrate (ml/30 min.) °F	
Cake Thickness 32nd in. API <input checked="" type="checkbox"/> HP - HT <input type="checkbox"/> <u>1/32</u>	
Alkalinity, Mud (Pm) <u>1.2</u>	
Alkalinity, Filtrate (Pf/ Mf) <u>.41</u> 1 1	
Salt <input type="checkbox"/> ppm Chloride <input checked="" type="checkbox"/> ppm <u>400</u> ✓	
Calcium <input checked="" type="checkbox"/> ppm <input type="checkbox"/> Gyp (ppb) <u>30</u>	
Sand Content (% by Vol.) <u>tr.</u>	
Solids Content (% by Vol.) <u>6.9</u>	
Oil Content (% by Vol.)	
Water Content (% by Vol.) <u>93.1</u>	
LCM, #/bbl <u>1#</u>	
Methylene Blue Capacity <input type="checkbox"/> (ml/ml mud) <input type="checkbox"/> (equiv. #Bbl. bent.)	

MUD PROPERTIES SPECIFICATIONS	
WEIGHT <u>9.5 -</u>	VISCOSITY <u>50+</u>
FILTRATE <u>10cc</u>	

Daily Cost <u>\$621.70</u>	Cumulative Cost <u>\$8927.75</u>
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BY AUTHORITY: OPERATOR'S WRITTEN DRILLING CONTRACTOR
 OPERATOR'S REPRESENTATIVE OTHER

- RECOMMENDED TREATMENT:
- 50+ vis/6el
 -
 - LCM as needed
 -
 - wt. 9.5 on less run a 1/2" stream
 - of water at flowline to
 - control wt.

REMARKS:

"Thank you"

Short trip prior to DST, log circulate hole clean.

"Keep hole full"

(add premix early if needed)

"When dry for log"

Mix-22-Gel

3 - soda ash

1 - caustic

1 - lignite

18 - Hulls

1/2 - sack of DRISPEC

→ Jet hole in system add premix 1/2 hr to system. This will help