

**KANSAS CORPORATION COMMISSION 1046973**  
**OIL & GAS CONSERVATION DIVISION**

Form ACO-1  
June 2009

**Form Must Be Typed**  
**Form must be Signed**  
**All blanks must be Filled**

**WELL COMPLETION FORM**  
**WELL HISTORY - DESCRIPTION OF WELL & LEASE**

OPERATOR: License # 34318  
 Name: BEREXCO LLC  
 Address 1: 2020 N. BRAMBLEWOOD  
 Address 2: \_\_\_\_\_  
 City: WICHITA State: KS Zip: 67206 + 1094  
 Contact Person: Bruce Meyer  
 Phone: ( 316 ) 265-3311  
 CONTRACTOR: License # 34317  
 Name: BEREDCO LLC  
 Wellsite Geologist: William B. Bynog  
 Purchaser: Central Crude Corporation

Designate Type of Completion:

- New Well     Re-Entry     Workover
- Oil     WSW     SWD     SIOW  
 Gas     D&A     ENHR     SIGW  
 OG     GSW     Temp. Abd.  
 CM (Coal Bed Methane)  
 Cathodic     Other (Core, Expl., etc.): \_\_\_\_\_

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

Operator: \_\_\_\_\_  
 Well Name: \_\_\_\_\_  
 Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_  
 Deepening     Re-perf.     Conv. to ENHR     Conv. to SWD  
 Conv. to GSW  
 Plug Back: \_\_\_\_\_ Plug Back Total Depth \_\_\_\_\_  
 Commingled    Permit #: \_\_\_\_\_  
 Dual Completion    Permit #: \_\_\_\_\_  
 SWD    Permit #: \_\_\_\_\_  
 ENHR    Permit #: \_\_\_\_\_  
 GSW    Permit #: \_\_\_\_\_

<u>08/22/2010</u>	<u>08/30/2010</u>	<u>09/16/2010</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-051-26021-00-00  
 Spot Description: \_\_\_\_\_  
   NW SW NE Sec. 22 Twp. 11 S. R. 18  East  West  
1650 Feet from  North /  South Line of Section  
2310 Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:  
 NE     NW     SE     SW  
 County: Ellis  
 Lease Name: Henderson A Well #: 4  
 Field Name: Bemis-Shutts  
 Producing Formation: Arbuckle  
 Elevation: Ground: 1943 Kelly Bushing: 1947  
 Total Depth: 3555 Plug Back Total Depth: 3535  
 Amount of Surface Pipe Set and Cemented at: 1071 Feet  
 Multiple Stage Cementing Collar Used?  Yes  No  
 If yes, show depth set: \_\_\_\_\_ Feet  
 If Alternate II completion, cement circulated from: \_\_\_\_\_  
 feet depth to: \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

**Drilling Fluid Management Plan**

(Data must be collected from the Reserve Pit)  
 Chloride content: 42000 ppm Fluid volume: 400 bbls  
 Dewatering method used: Evaporated  
 Location of fluid disposal if hauled offsite: \_\_\_\_\_  
 Operator Name: \_\_\_\_\_  
 Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_  
 Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West  
 County: \_\_\_\_\_ Permit #: \_\_\_\_\_

**AFFIDAVIT**

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

Submitted Electronically

**KCC Office Use ONLY**

- Letter of Confidentiality Received  
 Date: 11/15/2010  
 Confidential Release Date: 11/14/2012  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution  
 ALT  I  II  III Approved by: NAOMI JAMES Date: 11/15/2010



1046973

Operator Name: BEREXCO LLC Lease Name: Henderson A Well #: 4  
 Sec. 22 Twp. 11 S. R. 18  East  West County: Ellis

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

Drill Stem Tests Taken <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 Electric Log Submitted Electronically <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i>  List All E. Logs Run: Neutron / Density Porosity Log Radiation Guard Log Microresistivity Log	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum Attached Attached Attached
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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	8.625	23	1071	60/40 POZ	450	2% gel, 3% cc
Production	7.875	5.50	14	3555	Common	200	2%gel10%sal5#gils

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
___ Perforate				
___ Protect Casing	-			
___ Plug Back TD				
___ Plug Off Zone	-			

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
4	3478 - 3482 (Arbuckle)	natural	3478 - 3482

TUBING RECORD: Size: <u>2.875</u> Set At: <u>3528</u> Packer At: <u>no pkr</u>		Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or ENHR. <u>09/24/2010</u>	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. <u>17</u>	Gas Mcf <u>0</u> Water Bbls. <u>66</u> Gas-Oil Ratio _____ Gravity _____

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: <u>3478 - 3482</u>
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Form	ACO1 - Well Completion
Operator	BEREXCO LLC
Well Name	Henderson A 4
Doc ID	1046973

Tops

Anhydrite	1216	+731
Anhydrite (base)	1250	+697
Toprka	2900	-953
Plattsmouth	3086	-1139
Heebner	3124	-1177
Toronto	3144	-1197
Lansing A	3167	-1220
Lansing C	3218	-1271
Lansing E	3240	-1293
Lansing G	3258	-1311
Lansing I	3324	-1377
Lansing K	3360	-1413
Marmaton	3412	-1465
Arbuckle	3478	-1531

# ALLIED CEMENTING CO., LLC. 041925

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

SERVICE POINT:  
Russell Ks.

DATE <u>8-23-10</u>	SEC. <u>22</u>	TWP. <u>11 S</u>	RANGE <u>18 W</u>	CALLED OUT	ON LOCATION	JOB START <u>5:30 AM</u>	JOB FINISH <u>6:00 AM</u>
LEASE <u>HENDERSON</u>	WELL # <u>A-4</u>	LOCATION <u>Hay's 14 N 1/2 E + S INTO</u>			COUNTY <u>ELLIS</u>	STATE <u>KANSAS</u>	
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR Bredco Drllg Rig #10

TYPE OF JOB LONG SURFACE

HOLE SIZE 2 1/4" T.D. 1071'

CASING SIZE 8 5/8 New DEPTH 1069'

TUBING SIZE 2 3/8" DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT 40'

CEMENT LEFT IN CSG. 40'

PERFS.

DISPLACEMENT 65.67 BBL

OWNER

CEMENT

AMOUNT ORDERED 42.5 SA 60/40

3% CC

2% GEL

COMMON	<u>255</u>	@	<u>13.50</u>	<u>3442.50</u>
POZMIX	<u>170</u>	@	<u>7.55</u>	<u>1283.50</u>
GEL	<u>7</u>	@	<u>20.25</u>	<u>141.75</u>
CHLORIDE	<u>13</u>	@	<u>51.50</u>	<u>669.50</u>
ASC		@		
		@		
		@		
		@		
		@		
		@		
		@		
		@		
HANDLING	<u>425</u>	@	<u>2.25</u>	<u>956.25</u>
MILEAGE	<u>10.16/mile</u>			<u>595.00</u>
TOTAL				<u>7,088.50</u>

EQUIPMENT

PUMP TRUCK CEMENTER Allen

# 417 HELPER Heath

BULK TRUCK

# 423 DRIVER RICHARD

BULK TRUCK

# DRIVER

REMARKS:

Ran 25 new ITS of 8 5/8 2 3/8 CSG.  
Set @ 1069', load & circulate on  
Bottom 15 minutes, Cement w/ 42SSA  
6940 2% GEL, 3% CC, Release plug &  
Displace 65 3/4 BBL H<sub>2</sub>O land plug @ 650'  
& shut in. Cement DID circulate  
TO SURFACE THANK'S.

SERVICE

DEPTH OF JOB			
PUMP TRUCK CHARGE			<u>991.00</u>
EXTRA FOOTAGE	@		
MILEAGE	<u>14</u>	@	<u>7.00</u>
MANIFOLD	@		
	@		
	@		
TOTAL <u>1089.00</u>			

CHARGE TO: Berexco Inc.

STREET \_\_\_\_\_

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

PLUG & FLOAT EQUIPMENT

<u>8 5/8 Baffle Plate</u>	@		<u>67.20</u>
<u>Solid Rubber Plug</u>	@		<u>74.00</u>
<u>3-CENTRALIZERS</u>	@	<u>49.00</u>	<u>147.00</u>
	@		

To Allied Cementing Co., LLC.  
You are hereby requested to rent cementing equipment

# ALLIED CEMENTING CO., LLC. 041858

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

SERVICE POINT:  
Russell KS

DATE <u>8-30-10</u>	SEC. <u>22</u>	TWP. <u>11</u>	RANGE <u>18</u>	CALLED OUT	ON LOCATION	JOB START <u>2:30pm</u>	JOB FINISH <u>3:00pm</u>
<u>Henderson "A" LEASE</u>	WELL # <u>4</u>		LOCATION <u>Hays KS 12 North East and</u>		COUNTY <u>Ellis</u>	STATE <u>KS</u>	
OLD OR <u>NEW</u> (Circle one)			<u>South into</u>				

CONTRACTOR Beredco Rig #10  
 TYPE OF JOB Production String  
 HOLE SIZE 7 7/8 T.D. 3555'  
 CASING SIZE 5 1/2 14" DEPTH 3557'  
 TUBING SIZE DEPTH  
 DRILL PIPE DEPTH  
 TOOL DEPTH  
 PRES. MAX MINIMUM  
 MEAS. LINE SHOE JOINT 62.67'  
 CEMENT LEFT IN CSG. 62.67'  
~~Insert @ 3494'~~  
 DISPLACEMENT 85.25 86'

OWNER  
 CEMENT  
 AMOUNT ORDERED 200 Cem 10% Salt 2% Gel  
5" Gilsonite / SK 500 Gal WFR-2

EQUIPMENT  
 PUMP TRUCK CEMENTER John Roberts  
 # 417 HELPER Glenn  
 BULK TRUCK  
 # 410 DRIVER Daniel TWS  
 BULK TRUCK  
 # DRIVER

COMMON	<u>200</u>	@ <u>13.50</u>	<u>2700.00</u>
POZMIX		@	
GEL	<u>4</u>	@ <u>20.25</u>	<u>81.00</u>
CHLORIDE		@	
ASC		@	
<u>Salt</u>	<u>8</u>	@ <u>21.25</u>	<u>170.00</u>
<u>Gilsonite # 1000</u>		@ <u>1.85</u>	<u>850.00</u>
<u>WFR-2 500</u>		@ <u>1.10</u>	<u>550.00</u>
HANDLING	<u>200</u>	@ <u>2.25</u>	<u>450.00</u>
MILEAGE	<u>110.56/mile</u>		<u>300.00</u>
TOTAL			<u>5101.00</u>

REMARKS:

Ran 84 jts 5 1/2 14" casing 3557' Est. Circulation and circulate 1 hr. on bottom. Plug Rathole w/ 30 sk cement and mouse hole w/ 20 sk cement. Pump 500 gal WFR-2. Mix 150 sk cement. Displace plug w/ 85 1/4 Bbl H<sub>2</sub>O.  
Land Plug @ 1500 psi  
Float Did Hold!  
 Thank you!

CHARGE TO: Berexco LLC  
 STREET \_\_\_\_\_  
 CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

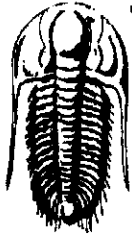
SERVICE

DEPTH OF JOB			
PUMP TRUCK CHARGE			<u>1957.00</u>
EXTRA FOOTAGE	@		
MILEAGE	<u>14</u>	@ <u>7.00</u>	<u>98.00</u>
MANIFOLD	@		
	@		
TOTAL			<u>2055.00</u>

5 1/2 PLUG & FLOAT EQUIPMENT

<u>AFU Float Shoe</u>	@	<u>214.00</u>
<u>2-Cement Baskets</u>	@ <u>161.00</u>	<u>322.00</u>
<u>12 Turbolizers</u>	@ <u>42.00</u>	<u>504.00</u>
<u>Latch Down Plug</u>	@	<u>164.00</u>

To Allied Cementing Co., LLC.  
 You are hereby requested to rent cementing equipment



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Berexco LLC

Henderson A4

PO 20380  
Wichita, KS. 67208

22-11s-18w-Ellis

Job Ticket: 39041

DST#: 1

ATTN: Bryan Bynog

Test Start: 2010.08.25 @ 21:57:17

## GENERAL INFORMATION:

Formation: **Plattsmouth**

Deviated: **No** Whipstock: **ft (KB)**

Time Tool Opened: 02:28:02

Time Test Ended: 07:45:32

Test Type: **Conventional Bottom Hole**

Tester: **Jason McLemore**

Unit No: **32**

Interval: **3095.00 ft (KB) To 3110.00 ft (KB) (TVD)**

Reference Elevations: **1947.00 ft (KB)**

Total Depth: **3110.00 ft (KB) (TVD)**

**1936.00 ft (CF)**

Hole Diameter: **7.80 inches** Hole Condition: **Good**

KB to GR/CF: **11.00 ft**

Serial #: **6755** Inside

Press@RunDepth: **15.45 psig @ 3097.00 ft (KB)**

Capacity: **8000.00 psig**

Start Date: **2010.08.25**

End Date: **2010.08.26**

Last Calib.: **2010.08.26**

Start Time: **21:57:19**

End Time: **07:45:32**

Time On Btm: **2010.08.26 @ 02:27:32**

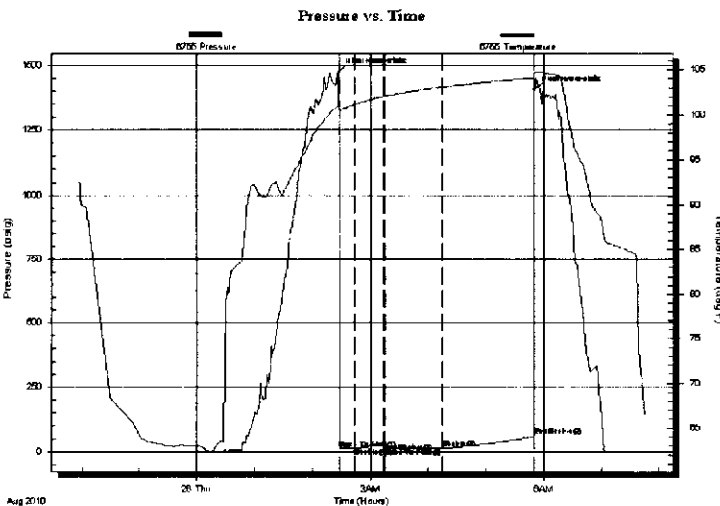
Time Off Btm: **2010.08.26 @ 05:50:17**

TEST COMMENT: **IFP-Intermittant Surface Blow**

**IS-Dead**

**FFP-Dead**

**FSI-Dead**



## PRESSURE SUMMARY

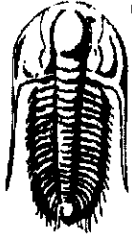
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1471.62	101.07	Initial Hydro-static
1	13.68	100.53	Open To Flow (1)
17	15.51	101.13	Shut-In(1)
47	33.95	102.04	End Shut-In(1)
48	14.19	102.04	Open To Flow (2)
107	15.45	103.05	Shut-In(2)
203	59.49	104.10	End Shut-In(2)
203	1405.10	104.66	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
1.00	OCM-5%O-95%M	0.00

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Berexco LLC

**Henderson A4**

PO 20380  
Wichita, KS. 67208

**22-11s-18w-Ellis**

Job Ticket: 39041

**DST#: 1**

ATTN: Bryan Bynog

Test Start: 2010.08.25 @ 21:57:17

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 8.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 69.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.99 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1800.00 ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
1.00	OCM-5%O-95%M	0.005

Total Length: 1.00 ft      Total Volume: 0.005 bbl

Num Fluid Samples: 0

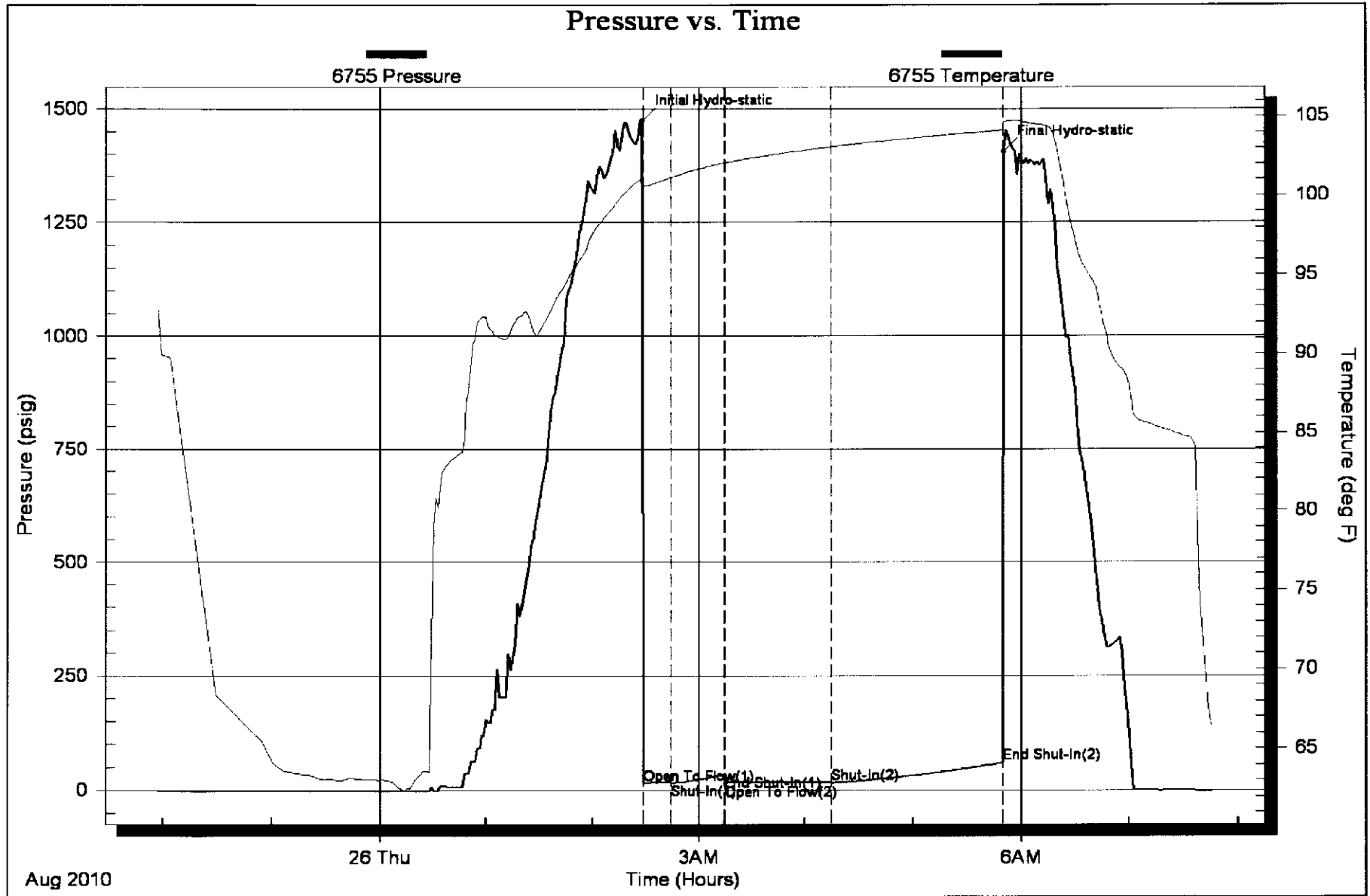
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Berexco LLC  
 PO 20380  
 Wichita, KS. 67208  
 ATTN: Bryan Bynog

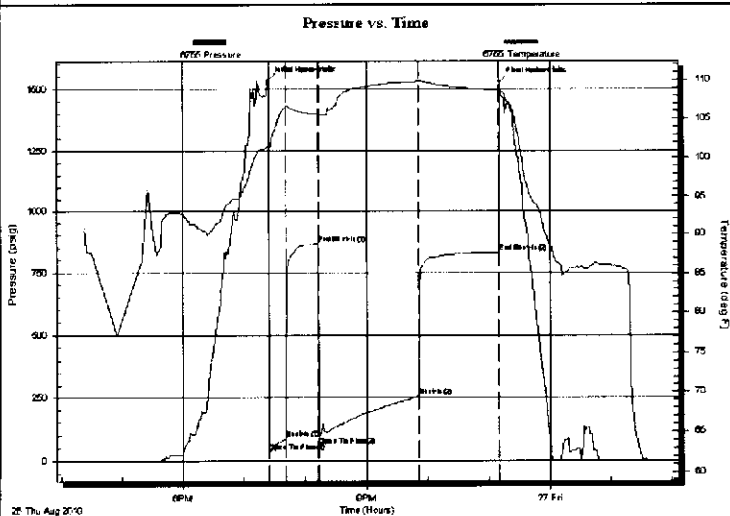
**Henderson A4**  
**22-11s-18w-Ellis**  
 Job Ticket: 39042 **DST#: 2**  
 Test Start: 2010.08.26 @ 16:22:55

## GENERAL INFORMATION:

Formation: **Lansing "A-B"**  
 Deviated: **No** Whipstock: **ft (KB)** Test Type: **Conventional Bottom Hole**  
 Time Tool Opened: **19:24:40** Tester: **Jason McLemore**  
 Time Test Ended: **01:38:25** Unit No: **32**  
 Interval: **3154.00 ft (KB) To 3210.00 ft (KB) (TVD)** Reference Elevations: **1947.00 ft (KB)**  
 Total Depth: **3210.00 ft (KB) (TVD)** **1936.00 ft (CF)**  
 Hole Diameter: **7.80 inches** Hole Condition: **Good** **KB to GR/CF: 11.00 ft**

**Serial #: 6755** **Inside**  
 Press@RunDepth: **255.23 psig @ 3189.00 ft (KB)** Capacity: **8000.00 psig**  
 Start Date: **2010.08.26** End Date: **2010.08.27** Last Calib.: **2010.08.27**  
 Start Time: **16:22:57** End Time: **01:38:25** Time On Btm: **2010.08.26 @ 19:24:10**  
 Time Off Btm: **2010.08.26 @ 23:10:40**

**TEST COMMENT:** IFF-Good Blow ,BOB in 15 Min  
 IS-Dead  
 FFP-Good Blow ,BOB in 18 Min.  
 FS-Dead



## PRESSURE SUMMARY

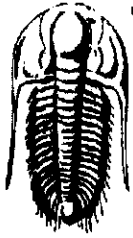
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1533.41	101.54	Initial Hydro-static
1	36.66	100.99	Open To Flow (1)
17	88.52	106.54	Shut-In (1)
49	864.18	105.63	End Shut-In (1)
49	94.52	105.25	Open To Flow (2)
148	255.23	109.82	Shut-In (2)
226	831.19	108.65	End Shut-In (2)
227	1528.69	108.68	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
300.00	Muddy Water-85%W-15%M	1.48
60.00	OCM-10%O-90%M	0.30
150.00	Clean Oil-20%G-80%O	1.35
0.00	60' Gas In Pipe	0.00

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Berexco LLC

**Henderson A4**

PO 20380  
Wichita, KS. 67208

**22-11s-18w-Ellis**

Job Ticket: 39042      **DST#: 2**

ATTN: Bryan Bynog

Test Start: 2010.08.26 @ 16:22:55

## Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 29 deg API
Mud Weight: 8.00 lb/gal	Cushion Length: ft	Water Salinity: 78000 ppm
Viscosity: 69.00 sec/qt	Cushion Volume: bbl	
Water Loss: 7.98 in <sup>3</sup>	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 1800.00 ppm		
Filter Cake: inches		

## Recovery Information

Recovery Table

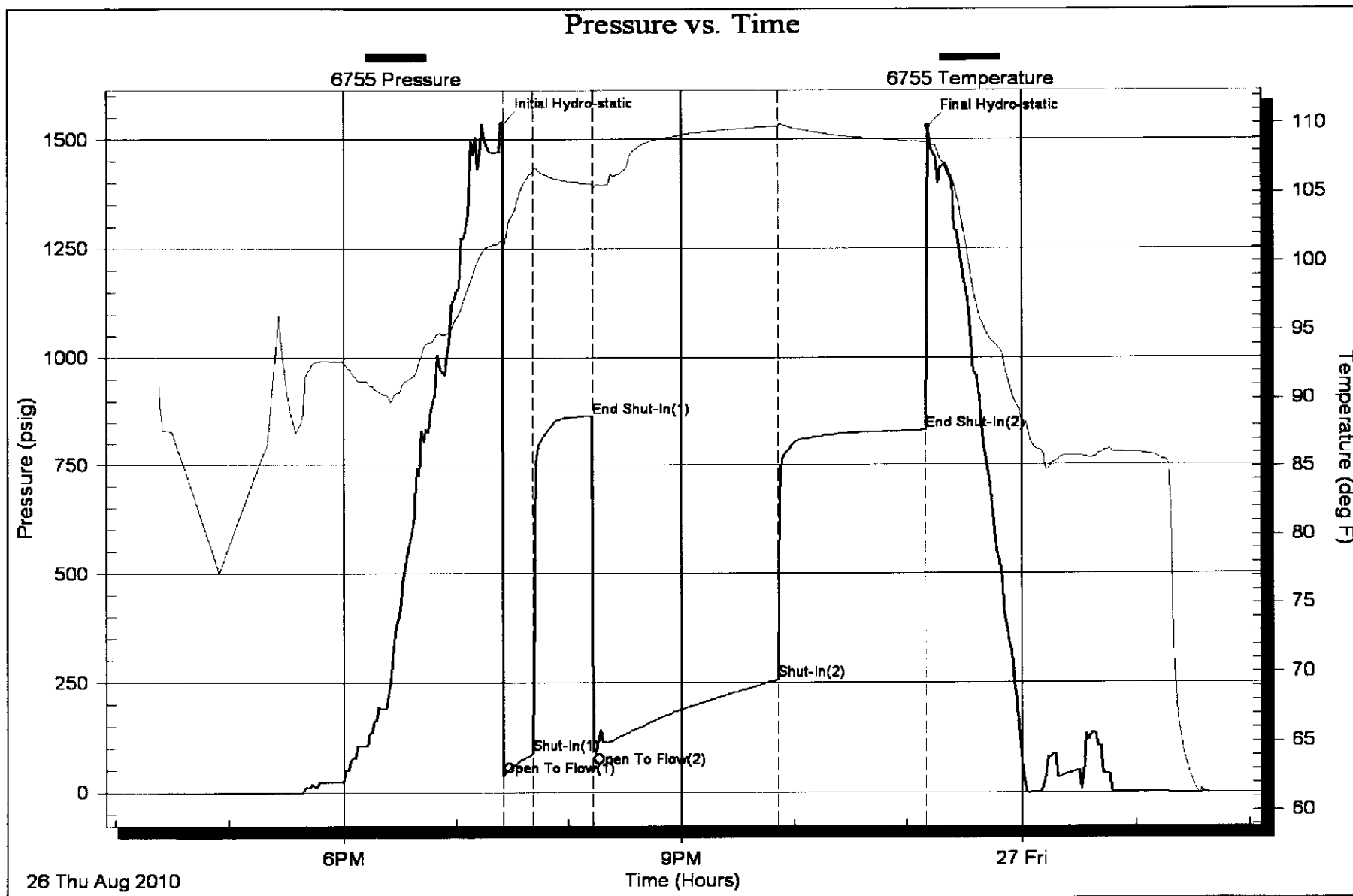
Length ft	Description	Volume bbl
300.00	Muddy Water-85%W-15%M	1.475
60.00	OCM-10%O-90%M	0.295
150.00	Clean Oil-20%G-80%O	1.353
0.00	60' Gas In Pipe	0.000

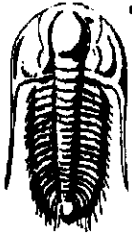
Total Length: 510.00 ft      Total Volume: 3.123 bbl

Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:

Laboratory Name:      Laboratory Location:

Recovery Comments:





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Berexco LLC

**Henderson A4**

PO 20380  
Wichita, KS. 67208

**22-11s-18w-Ellis**

Job Ticket: 39043

**DST#: 3**

ATTN: Bryan Bynog

Test Start: 2010.08.27 @ 09:39:28

## GENERAL INFORMATION:

Formation: **LKC-"D-E"**  
 Deviated: No Whipstock: ft (KB)  
 Test Type: Conventional Bottom Hole  
 Time Tool Opened: 11:13:13  
 Tester: Jason McLemore  
 Time Test Ended: 16:16:58  
 Unit No: 32  
 Interval: **3225.00 ft (KB) To 3244.00 ft (KB) (TVD)**  
 Reference Elevations: 1947.00 ft (KB)  
 Total Depth: 3244.00 ft (KB) (TVD)  
 1936.00 ft (CF)  
 Hole Diameter: 7.80 inches Hole Condition: Good  
 KB to GR/CF: 11.00 ft

## Serial #: 6755

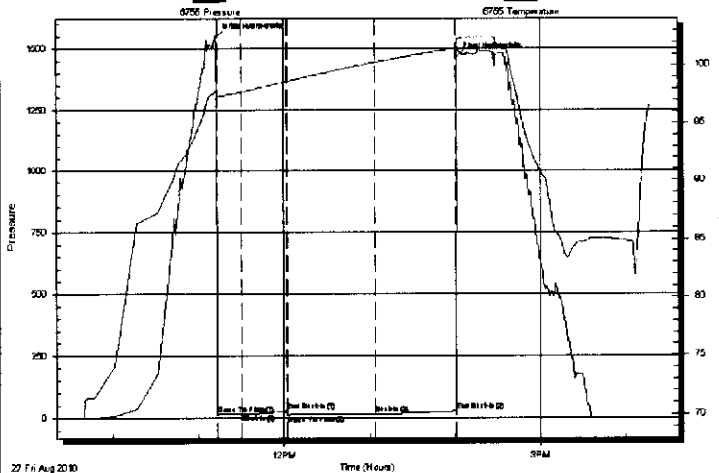
Inside

Press@RunDepth: 15.05 psig @ 3227.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2010.08.27 End Date: 2010.08.27 Last Calib.: 1899.12.30  
 Start Time: 09:39:30 End Time: 16:16:58 Time On Btm: 2010.08.27 @ 11:12:58  
 Time Off Btm: 2010.08.27 @ 14:00:58

TEST COMMENT: IFP-Weak Surface Blow ,Died in 10 Min.

ISI-Dead  
 FFP-Dead  
 FSI-Dead

Pressure vs. Time



## PRESSURE SUMMARY

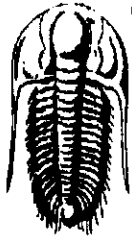
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1545.25	97.78	Initial Hydro-static
1	15.26	97.15	Open To Flow (1)
18	15.47	97.69	Shut-In(1)
50	27.02	98.62	End Shut-In(1)
50	13.52	98.63	Open To Flow (2)
111	15.05	100.25	Shut-In(2)
168	26.87	101.49	End Shut-In(2)
168	1465.80	102.29	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
1.00	Mud W/Oil Specks	0.00

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Berexco LLC

**Henderson A4**

PO 20380  
Wichita, KS. 67208

**22-11s-18w-Ellis**

Job Ticket: 39043

**DST#: 3**

ATTN: Bryan Bynog

Test Start: 2010.08.27 @ 09:39:28

**Mud and Cushion Information**

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 8.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 69.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.97 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1800.00 ppm

Filter Cake: inches

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
1.00	Mud W/Oil Specks	0.005

Total Length: 1.00 ft      Total Volume: 0.005 bbl

Num Fluid Samples: 0

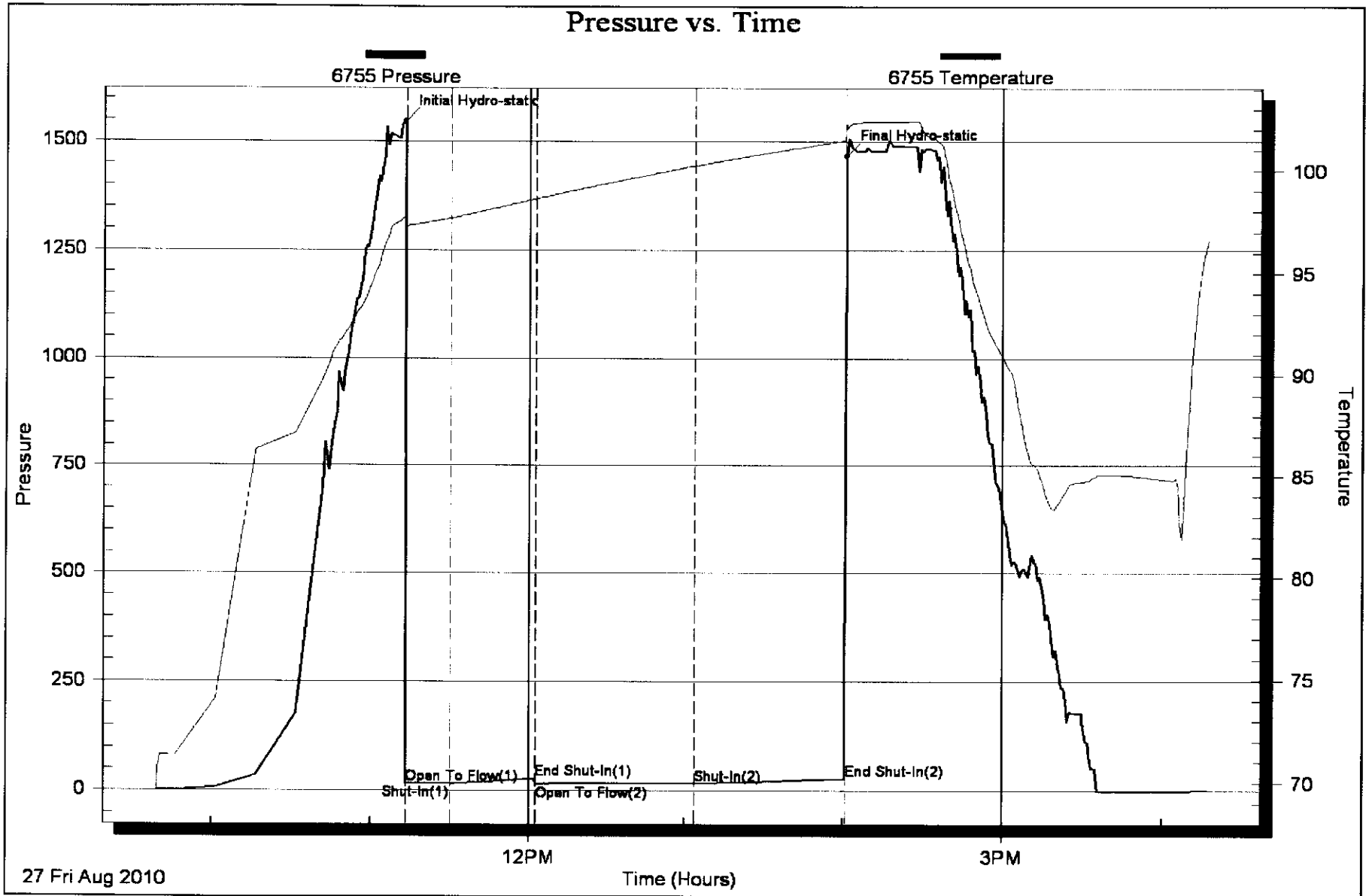
Num Gas Bombs: 0

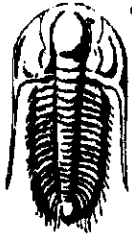
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Berexco LLC

Henderson A4

PO 20380  
Wichita, KS. 67208

22-11s-18w-Ellis

Job Ticket: 39044 **DST#: 4**

ATTN: Bryan Bynog

Test Start: 2010.08.28 @ 02:05:59

## GENERAL INFORMATION:

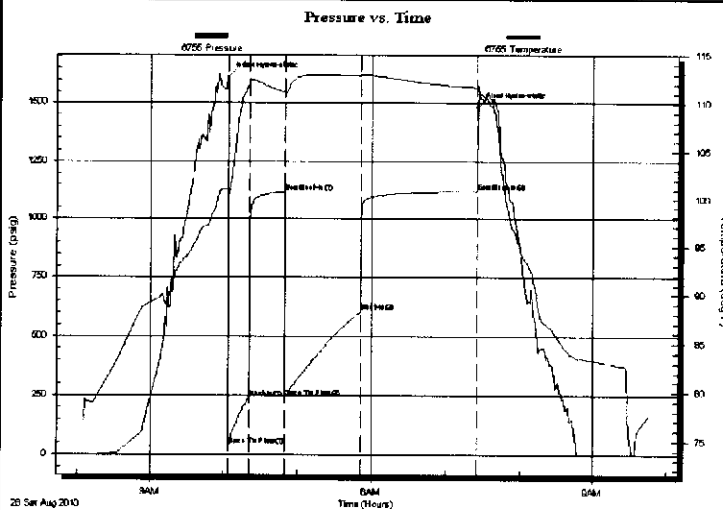
Formation: I  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 04:03:59  
 Time Test Ended: 09:46:44  
 Interval: **3310.00 ft (KB) To 3330.00 ft (KB) (TVD)**  
 Total Depth: 3330.00 ft (KB) (TVD)  
 Hole Diameter: 7.80 inches Hole Condition: Good  
 Test Type: Conventional Bottom Hole  
 Tester: Jason McLemore  
 Unit No: 32  
 Reference Elevations: 1947.00 ft (KB)  
 1936.00 ft (CF)  
 KB to GRVCF: 11.00 ft

## Serial #: 6755

Inside

Press@RunDepth: 603.11 psig @ 3312.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2010.08.28 End Date: 2010.08.28 Last Calib.: 2010.08.28  
 Start Time: 02:06:01 End Time: 09:46:44 Time On Btm: 2010.08.28 @ 04:03:44  
 Time Off Btm: 2010.08.28 @ 07:25:59

**TEST COMMENT:** IFP-Strong, BOB in 3-1/2 Min.  
 ISI-Surface Blow back Throughout  
 FFP-Strong, BOB in 5 Min.  
 FSI-Dead



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1610.95	101.24	Initial Hydro-static
1	38.94	100.40	Open To Flow (1)
17	239.04	111.92	Shut-In(1)
46	1119.80	111.19	End Shut-In(1)
46	240.97	110.82	Open To Flow (2)
108	603.11	112.86	Shut-In(2)
202	1123.72	111.67	End Shut-In(2)
203	1484.45	111.87	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
960.00	VSOCW-1%O-99%W	9.77
120.00	HOCW-30%O-70%W	1.68
120.00	Clean Oil	1.68

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Berexco LLC

**Henderson A4**

PO 20380  
Wichita, KS. 67208

**22-11s-18w-Ellis**

Job Ticket: 39044 **DST#: 4**

ATTN: Bryan Bynog

Test Start: 2010.08.28 @ 02:05:59

## Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 32 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 140000 ppm
Viscosity: 54.00 sec/qt	Cushion Volume: bbl	
Water Loss: 9.09 in <sup>3</sup>	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 8000.00 ppm		
Filter Cake: inches		

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
960.00	VSOCW-1%O-99%W	9.768
120.00	HOCW-30%O-70%W	1.683
120.00	Clean Oil	1.683

Total Length: 1200.00 ft      Total Volume: 13.134 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

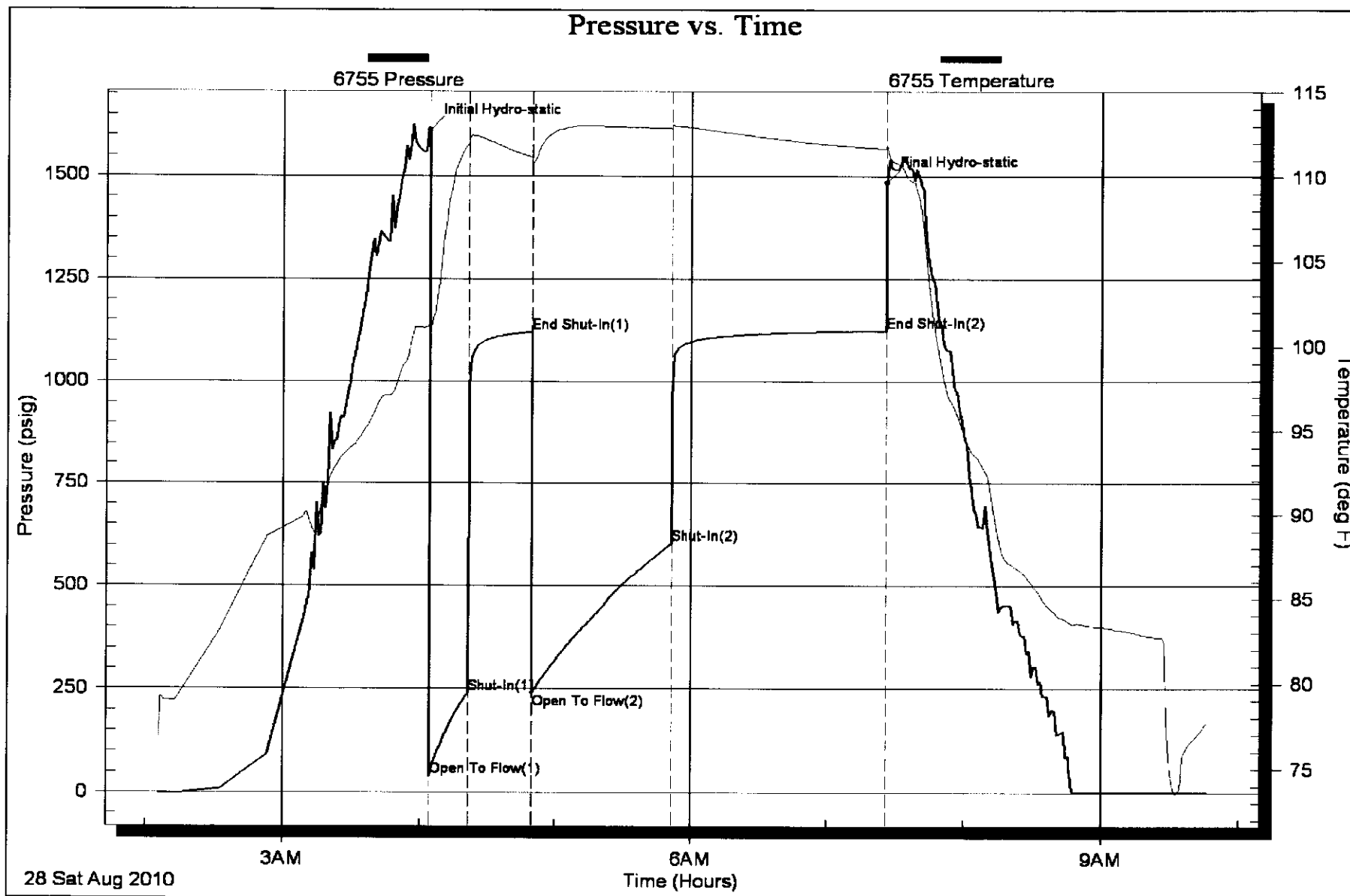
Serial #:

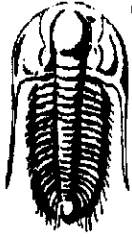
Laboratory Name:

Laboratory Location:

Recovery Comments:







**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Berexco LLC

Henderson A4

PO 20380  
Wichita, KS. 67208

22-11s-18w-Ellis

Job Ticket: 39045

DST#: 5

ATTN: Bryan Bynog

Test Start: 2010.08.29 @ 02:28:52

## GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:02:07

Time Test Ended: 11:49:52

Test Type: Conventional Bottom Hole

Tester: Jason McLemore

Unit No: 32

Interval: **3392.00 ft (KB) To 3480.00 ft (KB) (TVD)**

Reference Elevations: 1947.00 ft (KB)

Total Depth: 3480.00 ft (KB) (TVD)

1936.00 ft (CF)

Hole Diameter: 7.80 inches Hole Condition: Good

KB to GR/CF: 11.00 ft

Serial #: **6755**

Inside

Press@RunDepth: 1028.73 psig @ 3457.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2010.08.29

End Date: 2010.08.29

Last Calib.: 2010.08.29

Start Time: 02:28:54

End Time: 11:49:52

Time On Btm: 2010.08.29 @ 05:01:22

Time Off Btm: 2010.08.29 @ 08:27:22

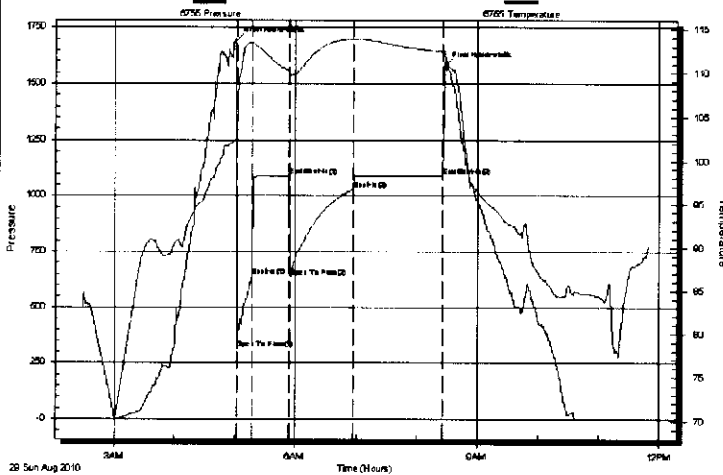
TEST COMMENT: IFF-Strong, BOB in 30 Seconds

ISI-Dead

FFP-Strong, BOB in 1-1/2 Min.

FSI-Dead

Pressure vs. Time



## PRESSURE SUMMARY

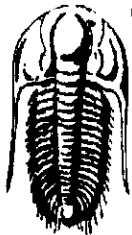
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1689.97	102.41	Initial Hydro-static
1	315.07	102.16	Open To Flow (1)
16	639.67	113.40	Shut-In(1)
53	1091.34	110.20	End Shut-In(1)
54	637.69	109.97	Open To Flow (2)
116	1028.73	113.89	Shut-In(2)
204	1091.31	112.47	End Shut-In(2)
206	1578.53	112.20	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
240.00	MCO-60%O-40%M	1.18
2100.00	Clean Oil	27.95

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Berexco LLC

**Henderson A4**

PO 20380  
Wichita, KS. 67208

**22-11s-18w-Ellis**

Job Ticket: 39045

**DST#: 5**

ATTN: Bryan Bynog

Test Start: 2010.08.29 @ 02:28:52

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

23 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.09 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 8000.00 ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
240.00	MCO-60%O-40%M	1.180
2100.00	Clean Oil	27.945

Total Length: 2340.00 ft

Total Volume: 29.125 bbl

Num Fluid Samples: 0

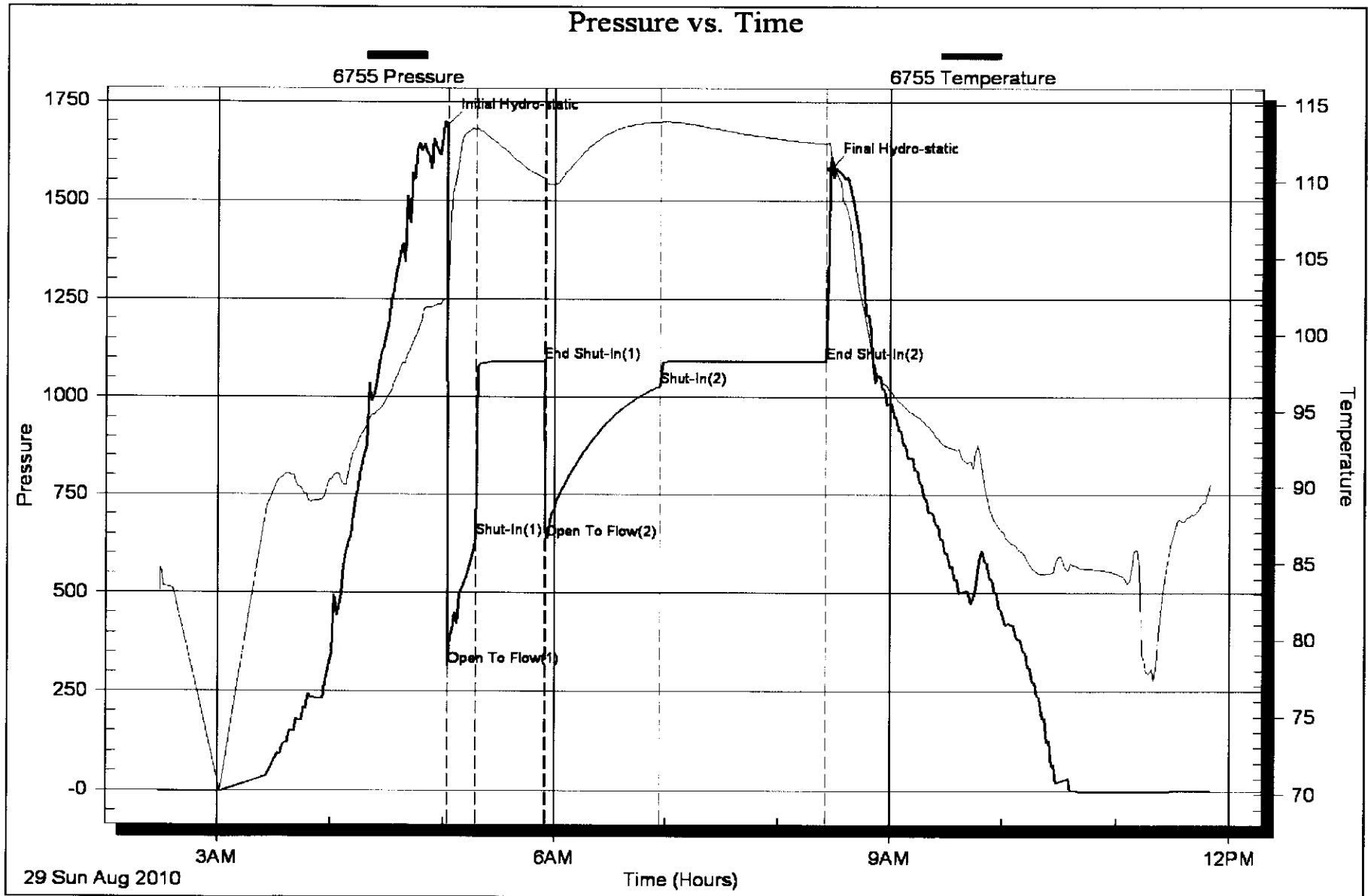
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



# LITHOLOGY STRIP LOG

## WellSight Systems

Scale 1:240 (5"=100') Imperial  
Measured Depth Log

Well Name: HENDERSON A4  
Location: NWSWNE  
License Number: 15-051-26021  
Spud Date: 8-22-2010  
Surface Coordinates: 1650' FNL & 2310' FWL

Region: MIDCONTINENT  
Drilling Completed: 8-30-2010

### Bottom Hole Coordinates:

Ground Elevation (ft): 1936                      K.B. Elevation (ft): 1947  
Logged Interval (ft): 2700                      To: 3555                      Total Depth (ft): 3555  
Formation: LANSING/KC, ARBUCKLE  
Type of Drilling Fluid: FRESH CHEMICAL

Printed by MUD.LOG from WellSight Systems 1-800-447-1534 www.WellSight.com

### OPERATOR

Company: BEREXCO,LLC  
Address: P.O. BOX 20380  
WICHITA, KANSAS 67208

### GEOLOGIST

Name: WILLIAM B. BYNOG  
Company:  
Address: P.O. BOX 687  
PINECLIFFE, CO. 80471  
303-642-3681 H 303-250-0727 C









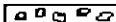

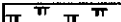





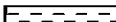

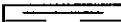
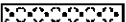
### Cores

### DSTs

DST#1 3095-3113, DST#2 3154-3210, DST#3 3225-44, DST#4 3310-30, DST#5 3392-3480

### Comments

### ROCK TYPES

 Anhy	 Coal	 Lmst	 Shcol
 Bent	 Congl	 Meta	 Shgy
 Brec	 Dol	 Mrlst	 Slst
 Cht	 Gyp	 Salt	 Ss
 Clyst	 Igne	 Shale	 Tlll

### ACCESSORIES

 MINERAL	 Minxl	 Crln	 Gyp
 Anhy	 Nodule	 Echin	 Ls
 Aqum	 Dhoo	 Flsh	 Mnat

**BEREXCO, LLC.  
HENDERSON A4  
NWSWNE SECTION 22 11S-18W  
ELLIS COUNTY, KANSAS**

**GEOLOGIST  
WILLIAM B. BYNOG**

## RESUME

OPERATOR: BEREXCO, INC.

WELL NAME & NUMBER: HENDERSON A4

LOCATION: NWSWNE SECTION 22 11S-18W

COUNTY: ELLIS

STATE: KANSAS

SPUD DATE: 8-22-2010 COMPLETION DATE: 8-30-2010

ELEVATIONS: GL: 1936' KB: 1947'

CONTRACTOR: BEREDCO RIG 10

LOGS: LOG TECH TYPES: RAG & MICROLOG & DENSITY

WELLSITE ENGINEER: NONE

MUD COMPANY: ANDY'S

MUD TYPE & ENGINEER: FRESH CHEMICAL

GEOLOGIST: WILLIAM B.BYNOG

HOLE SIZE: 7 7/8 -"

MUD LOGGING BY: NONE

DRILL STEM TEST COMPANY: TRILOBITE

DRILL STEM TEST: DST#1 3095-3113, DST#2 3154-3210, DST#3 3225-44, DST#4 3310-30, DST# 5 3392-3480

WELL STATUS: SET PRODUCTION PIPE

ANHYDRITE 1188(+824) S      1190(+822) L      GOETZ C3.txt

BASE 1224(+788) S      1228(+784) L

BEREDCO RIG 10 DRILLING 7 7/8 HOLE

GOETZ # C3      SAMPLE DESCRIPTIONS

2800-40 SHALE gray,firm,argillaceous

2840-70 LIMESTONE tan,hard,fossils,poor porosity

2870-2910 SHALE gray green,firm,argillaceous / interbedded LIMESTONE as above

2910-20 LIMESTONE buff,tan,very hard,dense, fossils,crptoxln / thin SHALE as above

2920-80 SHALE gray,green,firm,argillaceous, some silty

3980-95 LIMESTONE tan,hard,fossils,some argillaceous,poor porosity,no shows

2995-10 LIMESTONE tan,very hard,dense,crptoxln

3010-15 SHALE green,gray green,firm,argillaceous

3015-35 LIMESTONE tan,very hard,dense,crpto crystalline / thin SHALE as above

3035-60 LIMESTONE as above / bedded SHALE as above

3060-85 LIMESTONE as above

3085-3115 SHALE green,gray green,some black,firm,carbonaceous / thin bedded  
LIMESTONE buff,tan,hard, fossils,dense



3115-40 LIMESTONE buff,tan,very hard,dense, slightly fossils,abundant Chert gray

3140-60 SHALE gray,green,firm,waxy

3160-3210 LIMESTONE buff,tan,very hard, dense,slightly fossils,abundant Chert gray,tan / thin SHALE as above

3210-30 LIMESTONE tan,very hard,dense,slightly fossils

3230-50 SHALE black,some green, firm,carbonaceous / thin bedded LIMESTONE as above

3250-70 LIMESTONE buff,very hard,dense, crptoxln

3270-80 SHALE green,some black,firm,argillaceous,slightly carbonaceous

3280-95 LIMESTONE buff,very hard,dense,crptoxln

3395-3300 SHALE as above

3300-20 LIMESTONE white,firm,micro sucrosic,oolites,chalky,good moldic and vuggy porosity, spotty to even brown stain,very good cut,faint odor

3320-30 LIMESTONE/GS white,firm,very oolites, good intergrn porosity,spotty to even brown stain,very good cut,fair odor,good show free oil

3330-40 LIMESTONE buff,very hard,dense, crptoxln,no shows

3340-45 SHALE green,gray,red,firm, argillaceous

3345-50 LIMESTONE buff,hard,fossils,poor porosity,no shows

3350-60 LIMESTONE/GS white,firm to slightly hard,very oolites, fair to good intergran porosity,spotty to even brown stain,good cut and odor,fair show free oil

3360-70 SHALE as above/ LIMESTONE buff,very hard,dense

3370-80 LIMESTONE/GS white,slightly hard,very fossils to oolites,chalky,fair vuggy and intergran porosity,spotty brown stain,good cut and odor,poor show free oil

3380-3400 LIMESTONE buff,very hard,dense

3400-10 SHALE as above

3410-25 LIMESTONE buff,firm,crystalline, granular texture,fossils,poor porosity,no shows

3425-35 SHALE as above

3435-45 LIMESTONE white,buff,micro crystalline,fossils,poor to fair crystalline and poor to poor vuggy porosity,spotty to even stain, fair odor, poor show free oil

3445-55 SHALE as above / thin LIMESTONE dense

3455-65 LIMESTONE white,buff,hard,microcrystalline,slightly fossils,poor to fair crystalline and poor to poor vuggy porosity,spotty brown stain,fair cut and odor,poor show free oil

3465-75 SHALE red,green,soft,very argillaceous

3475-85 LIMESTONE buff,very hard,dense

3485-90 SHALE as above

3490-3515 LIMESTONE buff,very hard,dense/ thin bedded SHALE gray green,green, argillaceous

3515-17 LIMESTONE white,firm,oolites,fair intergran vuggy porosity,spotty stain,good cut and odor,fair show free oil

3517-20 DOLOMITE buff,soft,microsuc texture,fair to good crystalline porosity,even brown stain,very good cut and odor,good show free oil/ thin SHALE ble green,firm waxy

3520-30 DOLOMITE AA becoming sucrosic,crse crystalline,good interxln and vuggy porosity,even stain,very good cut and odor,very good show free oil

3530-47 DOLOMITE AA good porosity,even to spotty stain,good cut and odor,fair to good show free oil,abundant pyrite,Chert white

3547-60 DOLOMITE as above firm,fair to good interxln and vuggy porosity,even brown stain,very good cut and odor,very good show free oil/ thin DOLOMITE buff,very hard,dense,no shows

3560-75 DOLOMITE buff,very hard,dense,crpto crystalline,no shows, some microcrystalline,poor to fair porosity,very spotty,fair cut and odor,abundant Chert white

3575-92 DOLOMITE buff,firm,microsuc, fair to good crystalline porosity,no shows becoming chalky, abundant Chert white

RTD 3592

LTD 3600



*Mark Parkinson, Governor  
Thomas E. Wright, Chairman  
Joseph F. Harkins, Commissioner  
Ward Loyd, Commissioner*

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November 15, 2010

Bruce Meyer  
BEREXCO LLC  
2020 N. BRAMBLEWOOD  
WICHITA, KS 67206-1094

Re: ACO1  
API 15-051-26021-00-00  
Henderson A 4  
NE/4 Sec.22-11S-18W  
Ellis County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,  
Bruce Meyer