



Confidentiality Requested:

Yes  No

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

OPERATOR: License # \_\_\_\_\_

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

Address 1: \_\_\_\_\_

Address 2: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ + \_\_\_\_\_

Contact Person: \_\_\_\_\_

Phone: ( \_\_\_\_\_ ) \_\_\_\_\_

CONTRACTOR: License # \_\_\_\_\_

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

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

Purchaser: \_\_\_\_\_

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
- Plug Back       Conv. to GSW     Conv. to Producer
- Commingled      Permit #: \_\_\_\_\_
- Dual Completion    Permit #: \_\_\_\_\_
- SWD                  Permit #: \_\_\_\_\_
- ENHR                Permit #: \_\_\_\_\_
- GSW                 Permit #: \_\_\_\_\_

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - \_\_\_\_\_

Spot Description: \_\_\_\_\_

\_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

\_\_\_\_\_ Feet from  North /  South Line of Section

\_\_\_\_\_ Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE     NW     SE     SW

GPS Location: Lat: \_\_\_\_\_, Long: \_\_\_\_\_  
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum:  NAD27     NAD83     WGS84

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Field Name: \_\_\_\_\_

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

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total Vertical Depth: \_\_\_\_\_ Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at: \_\_\_\_\_ 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: \_\_\_\_\_ ppm Fluid volume: \_\_\_\_\_ bbls

Dewatering method used: \_\_\_\_\_

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**

- Confidentiality Requested  
Date: \_\_\_\_\_
- Confidential Release Date: \_\_\_\_\_
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

**INSTRUCTIONS:** Show important tops 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.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to [kcc-well-logs@kcc.ks.gov](mailto:kcc-well-logs@kcc.ks.gov). Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No  List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum
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CASING RECORD <input 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

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				

Did you perform a hydraulic fracturing treatment on this well?  Yes  No *(If No, skip questions 2 and 3)*  
 Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?  Yes  No *(If No, skip question 3)*  
 Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry?  Yes  No *(If No, fill out Page Three of the ACO-1)*

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

TUBING RECORD: Size: \_\_\_\_\_ Set At: \_\_\_\_\_ Packer At: \_\_\_\_\_ Liner Run:  Yes  No

Date of First, Resumed Production, SWD or ENHR: \_\_\_\_\_ Producing Method:  
 Flowing  Pumping  Gas Lift  Other *(Explain)* \_\_\_\_\_

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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Form	ACO1 - Well Completion
Operator	BEREXCO LLC
Well Name	Hummel 5
Doc ID	1080696

All Electric Logs Run

Dual Induction Log
Borehole Compensated Sonic Log
Microresistivity Log
Dual Compensated Porosity Log

Form	ACO1 - Well Completion
Operator	BEREXCO LLC
Well Name	Hummel 5
Doc ID	1080696

Tops

Name	Top	Datum
Anhydrite	999	+791
Topeka	2679	-889
Plattsmouth	2852	-1062
Heebner	2902	-1112
Toronto	2920	-1130
Lansing A	2959	-1169
Lansing C	2993	-1203
Lansing F	3030	-1240
Lansing J	3132	-1342
Arbuckle	3194	-1404
RTD	3280	
LTD	3282	

Form	ACO1 - Well Completion
Operator	BEREXCO LLC
Well Name	Hummel 5
Doc ID	1080696

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
4	2854-2858 Plattsmouth	1000 gals 28% NEFE	2854-2858
4	2924-2927 Toronto	1000 gals 15% NEFE	2924-2927
4	2994-3002 L/KC C	1500 gals 15% NEFE	2994-3002
4	3031-3034 L/KC E	750 gals 15% NEFE	3031-3034
4	3048-3051 L/KC G	750 gals 15% NEFE	3048-3051
4	3118-3124 L/KC I	1000 gals 15% NEFE	3118-3124
4	3213-3216 Arbuckle	bull-plugged packer at 3188	3213-3216

## Summary of Changes

Lease Name and Number: Hummel 5

API/Permit #: 15-167-23773-00-00

Doc ID: 1080696

Correction Number: 1

Approved By: NAOMI JAMES

Field Name	Previous Value	New Value
Field Name		Gorham
Producing Formation	Gorham	Plattsmouth, Toronto, LKC
Save Link	<a href="http://.../kcc/detail/operatorEditDetail.cfm?docID=1077181">../kcc/detail/operatorEditDetail.cfm?docID=1077181</a>	<a href="http://.../kcc/detail/operatorEditDetail.cfm?docID=1080696">../kcc/detail/operatorEditDetail.cfm?docID=1080696</a>



**CONFIDENTIAL**

**WELL COMPLETION FORM**

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

OPERATOR: License # \_\_\_\_\_

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

Address 1: \_\_\_\_\_

Address 2: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ + \_\_\_\_\_

Contact Person: \_\_\_\_\_

Phone: ( \_\_\_\_\_ ) \_\_\_\_\_

CONTRACTOR: License # \_\_\_\_\_

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

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

Purchaser: \_\_\_\_\_

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 #: \_\_\_\_\_

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - \_\_\_\_\_

Spot Description: \_\_\_\_\_

\_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

\_\_\_\_\_ Feet from  North /  South Line of Section

\_\_\_\_\_ Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE       NW       SE       SW

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Field Name: \_\_\_\_\_

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

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total Depth: \_\_\_\_\_ Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at: \_\_\_\_\_ 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: \_\_\_\_\_ ppm Fluid volume: \_\_\_\_\_ bbls

Dewatering method used: \_\_\_\_\_

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: \_\_\_\_\_
- Confidential Release Date: \_\_\_\_\_
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_



1077181

Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

**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 type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i>  List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum
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CASING RECORD <input 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

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 <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD:      Size: \_\_\_\_\_ Set At: \_\_\_\_\_ Packer At: \_\_\_\_\_ Liner Run:  Yes  No

Date of First, Resumed Production, SWD or ENHR. \_\_\_\_\_ Producing Method:  
 Flowing    Pumping    Gas Lift    Other (Explain) \_\_\_\_\_

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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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 type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	BEREXCO LLC
Well Name	Hummel 5
Doc ID	1077181

All Electric Logs Run

Dual Induction Log
Borehole Compensated Sonic Log
Microresistivity Log
Dual Compensated Porosity Log

Form	ACO1 - Well Completion
Operator	BEREXCO LLC
Well Name	Hummel 5
Doc ID	1077181

Tops

Name	Top	Datum
Anhydrite	999	+791
Topeka	2679	-889
Plattsmouth	2852	-1062
Heebner	2902	-1112
Toronto	2920	-1130
Lansing A	2959	-1169
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Lansing J	3132	-1342
Arbuckle	3194	-1404
RTD	3280	
LTD	3282	

Form	ACO1 - Well Completion
Operator	BEREXCO LLC
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#### Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
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4	3118-3124 L/KC I	1000 gals 15% NEFE	3118-3124
4	3213-3216 Arbuckle	bull-plugged packer at 3188	3213-3216

# ALLIED OIL & GAS SERVICES, LLC 056901

Federal Tax I.D.# 20-5975804

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

SERVICE POINT: Russell Well

DATE <u>2-11-12</u>	SEC. <u>30</u>	TWP. <u>14 S</u>	RANGE <u>WELL FILE</u>	CALLED OUT	ON LOCATION	JOB START <u>9:30</u>	JOB FINISH <u>10:00</u>
LEASE <u>Hummer</u>	WELL # <u>5</u>	LOCATION <u>Russell Ksa Hwy 40</u>	COUNTY <u>Russell</u>	STATE <u>KANSAS</u>			
OLD OR <u>NEW</u> (Circle one)		<u>3 1/2" 6 1/2 S E INTO</u>					

CONTRACTOR Brecko rig #10

TYPE OF JOB 1 1/2" conductor

HOLE SIZE 14 3/4 T.D. 782

CASING SIZE 10 3/4 used DEPTH 780

TUBING SIZE 4 1/2 DEPTH

DRILL PIPE 32.75 DEPTH

TOOL AFU Insert DEPTH 757

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT 23.25

CEMENT LEFT IN CSG.

PERFS.

DISPLACEMENT 76.38 bbl

OWNER

CEMENT

AMOUNT ORDERED 330 lbs 60/35 42 bbl 30 cc

150 sks 42 3/4 A 3 1/2 CC

COMMON <u>360 sks</u>	@ <u>16.25</u>	<u>5931.25</u>
POZMIX <u>115 sks</u>	@ <u>8.50</u>	<u>977.50</u>
GEL <u>23 sks</u>	@ <u>21.25</u>	<u>488.75</u>
CHLORIDE <u>15 sks</u>	@ <u>58.20</u>	<u>873.00</u>
ASC	@	
<u>83 lbs Flyer gel</u>	@ <u>2.70</u>	<u>224.10</u>
	@	
	@	
	@	
	@	
	@	
	@	
HANDLING <u>518 total sks</u>	@ <u>2.25</u>	<u>1,165.50</u>
MILEAGE <u>9 van miles x 518 x .11</u>		<u>512.82</u>
<u>Drayage #662</u>		<u>TOTAL 10,172.92</u>

**REMARKS:**

ran 28 JTS OF 1074 HSG. 32.75#  
Set @ 780' Reviewed circulation  
& cement w/ 330 sks 60/35 wt. Followed  
BY 150 sks Com. 24 3/4 cc. Release  
Rubber Plug & displaced 46 bbl H<sub>2</sub>O  
& Land Plug @ 200#. Released  
Pressure & AFU Float (Held)  
Cement did circulate to surface!  
THANKS

**SERVICE**

DEPTH OF JOB <u>780</u>		<u>1125.00</u>
PUMP TRUCK CHARGE		<u>2100.00</u>
EXTRA FOOTAGE <u>480'</u>	@ <u>9.5</u>	<u>456.00</u>
MILEAGE <u>HUMI 9</u>	@ <u>7.00</u>	<u>63.00</u>
MANIFOLD	@	
<u>L DV LVMT 9</u>	@ <u>4.00</u>	<u>36.00</u>
	@	
		<u>1644.00</u>
		<u>TOTAL 1000</u>

CHARGE TO: Brecko LLC

STREET \_\_\_\_\_

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

**PLUG & FLOAT EQUIPMENT**

<u>1 industrial rubber Plug (1 1/2")</u>	@ <u>159.00</u>	<u>159.00</u>
<u>3 ind rubber centralizers</u>	@ <u>64.00</u>	<u>192.00</u>
<u>1 ind rubber AFU Insert</u>	@ <u>234.00</u>	<u>234.00</u>
	@	
	@	
		<u>TOTAL 585.00</u>

To: Allied Oil & Gas Services, 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.

PRINTED NAME Mylo Sabanas

SIGNATURE Mylo Sabanas

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

TOTAL CHARGES 12,401.92

DISCOUNT 24% IF PAID IN 30 DAYS



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Berexco LLC.  
 2020 N Bramblewood  
 Wichita Ks. 67206+1094  
 ATTN: Bryan Bynog

**30-14s-14w Russell**  
**Hummel #5**  
 Job Ticket: 45691 **DST#: 1**  
 Test Start: 2012.02.16 @ 22:46:05

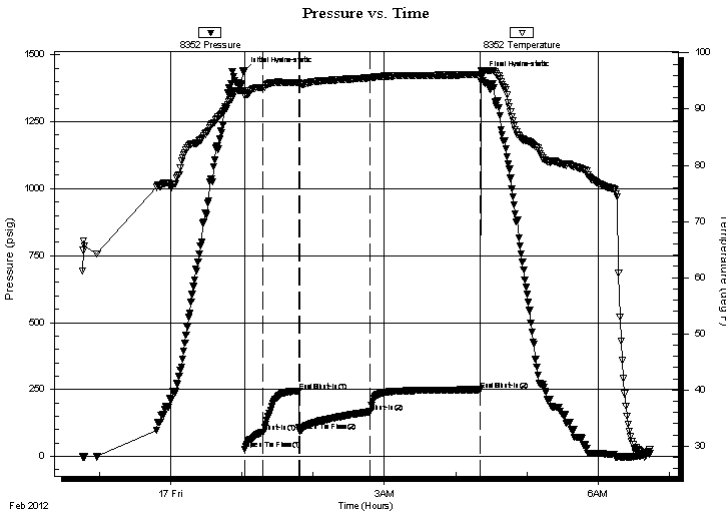
## GENERAL INFORMATION:

Formation: **LKC"A-C"**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 01:02:30  
 Time Test Ended: 06:43:29  
 Interval: **2932.00 ft (KB) To 3000.00 ft (KB) (TVD)**  
 Total Depth: 3000.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Poor  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Andy Carreira  
 Unit No: 39  
 Reference Elevations: 1790.00 ft (KB)  
 1779.00 ft (CF)  
 KB to GR/CF: 11.00 ft

**Serial #: 8352 Outside**  
 Press @ RunDepth: 166.84 psig @ 2936.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2012.02.16 End Date: 2012.02.17 Last Calib.: 2012.02.17  
 Start Time: 22:46:05 End Time: 06:43:29 Time On Btm: 2012.02.17 @ 01:01:40  
 Time Off Btm: 2012.02.17 @ 04:22:20

**TEST COMMENT:** IF:(15min) BOB, 8 min.  
 IS:(30min) Return Surface Blow died in 12 min.  
 FF:(60min) BOB, 3 min.  
 FS:(90min) Return Blow, Built to 4 inches

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1437.14	93.23	Initial Hydro-static
1	27.84	92.34	Open To Flow (1)
17	91.72	93.80	Shut-In(1)
47	243.84	94.65	End Shut-In(1)
47	95.73	94.57	Open To Flow (2)
107	166.84	95.57	Shut-In(2)
199	249.09	96.14	End Shut-In(2)
201	1419.92	96.82	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
310.00	HOCGM g=30% o=30% m=40%	1.52
155.00	CGO g=15% o=85%	0.76
0.00	GIP= 400ft	0.00

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Berexco LLC.

**30-14s-14w Russell**

2020 N Bramblewood  
Wichita Ks. 67206+1094

**Hummel #5**

Job Ticket: 45691

**DST#: 1**

ATTN: Bryan Bynog

Test Start: 2012.02.16 @ 22:46:05

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 45.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.78 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
310.00	HOCGM g=30% o=30% m=40%	1.525
155.00	CGO g=15% o=85%	0.762
0.00	GIP= 400ft	0.000

Total Length: 465.00 ft      Total Volume: 2.287 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

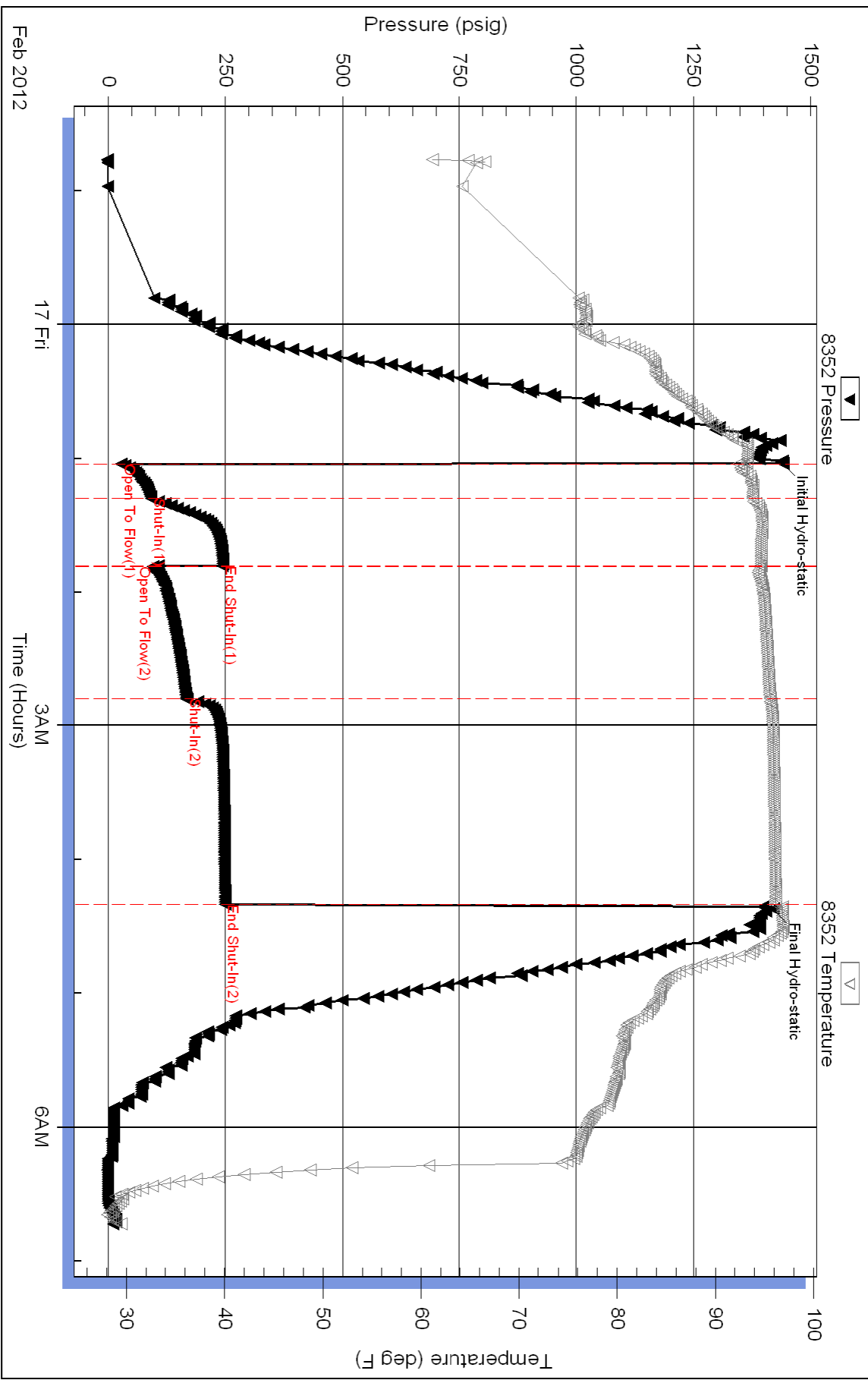
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

### Pressure vs. Time





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Berexco LLC.  
2020 N Bramblewood  
Wichita Ks. 67206+1094  
ATTN: Bryan Bynog

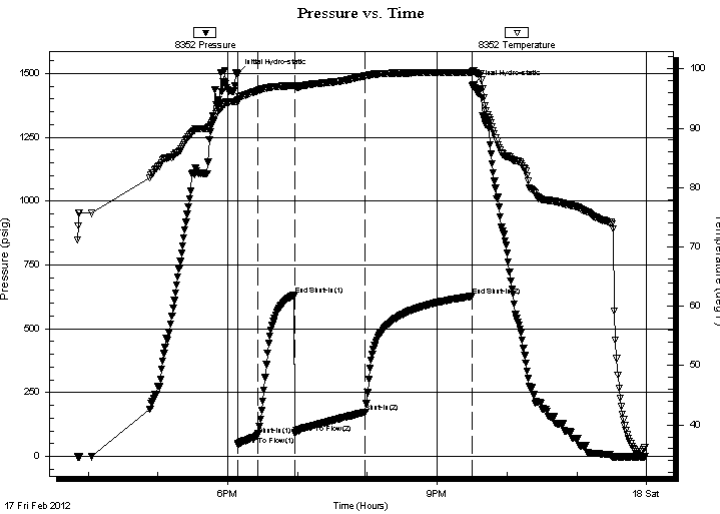
**30-14s-14w Russell**  
**Hummel #5**  
Job Ticket: 45692      **DST#: 2**  
Test Start: 2012.02.17 @ 15:51:05

## GENERAL INFORMATION:

Formation: **LKC"F-G"**  
Deviated: No Whipstock:                      ft (KB)  
Time Tool Opened: 18:08:40  
Time Test Ended: 23:58:50  
Interval: **3010.00 ft (KB) To 3048.00 ft (KB) (TVD)**  
Total Depth: 3048.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Poor  
Test Type: Conventional Bottom Hole (Reset)  
Tester: Andy Carreira  
Unit No: 39  
Reference Elevations: 1790.00 ft (KB)  
1779.00 ft (CF)  
KB to GR/CF: 11.00 ft

**Serial #: 8352      Outside**  
Press @ Run Depth: 174.77 psig @ 3013.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2012.02.17      End Date: 2012.02.17      Last Calib.: 2012.02.18  
Start Time: 15:51:05      End Time: 23:58:50      Time On Btm: 2012.02.17 @ 18:08:20  
Time Off Btm: 2012.02.17 @ 21:30:59

**TEST COMMENT:** IF:(15min) BOB, 2 min.  
IS:(30min) Return Surface blow died in 9 min.  
FF:(60min) BOB, 1 min.  
FS:(90min) Gas to surface 6 min. after bleed off. 4" blow died in 28 min.



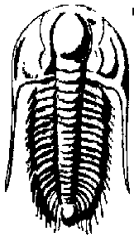
PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1498.38	94.60	Initial Hydro-static
1	45.63	94.26	Open To Flow (1)
18	82.30	96.28	Shut-In(1)
49	633.65	97.17	End Shut-In(1)
50	91.47	96.96	Open To Flow (2)
110	174.77	98.79	Shut-In(2)
202	627.68	99.34	End Shut-In(2)
203	1457.04	99.73	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
250.00	HOCGM g=20% o=30% m=50%	1.23
165.00	CGO g=10% o=90%	0.81

\* Recovery from multiple tests

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





**TRILOBITE**  
**TESTING, INC.**

# DRILL STEM TEST REPORT

Berexco LLC.  
2020 N Bramblewood  
Wichita Ks. 67206+1094  
  
ATTN: Bryan Bynog

**30-14s-14w Russell**  
**Hummel #5**  
Job Ticket: 45692      **DST#: 2**  
Test Start: 2012.02.17 @ 15:51:05

## GENERAL INFORMATION:

Formation: **LKC"F-G"**  
Deviated: No Whipstock:      ft (KB)      Test Type: Conventional Bottom Hole (Reset)  
Time Tool Opened: 18:08:40      Tester: Andy Carreira  
Time Test Ended: 23:58:50      Unit No: 39  
**Interval: 3010.00 ft (KB) To 3048.00 ft (KB) (TVD)**      Reference Elevations: 1790.00 ft (KB)  
Total Depth: 3048.00 ft (KB) (TVD)      1779.00 ft (CF)  
Hole Diameter: 7.88 inches      Hole Condition: Poor      KB to GR/CF: 11.00 ft

**Serial #: 8017      Inside**  
Press@RunDepth:      psig @      3013.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2012.02.17      End Date: 2012.02.17      Last Calib.: 2012.02.18  
Start Time: 15:51:05      End Time: 23:58:50      Time On Btm:  
Time Off Btm:

**TEST COMMENT:** IF:(15min) BOB, 2 min.  
IS:(30min) Return Surface blow died in 9 min.  
FF:(60min) BOB, 1 min.  
FS:(90min) Gas to surface 6 min. after bleed off. 4" blow died in 28 min.

## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

## Recovery

Length (ft)	Description	Volume (bbl)
250.00	HOCGM g=20% o=30% m=50%	1.23
165.00	CGO g=10% o=90%	0.81

\* Recovery from multiple tests

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Berexco LLC.

**30-14s-14w Russell**

2020 N Bramblewood  
Wichita Ks. 67206+1094

**Hummel #5**

Job Ticket: 45692

**DST#: 2**

ATTN: Bryan Bynog

Test Start: 2012.02.17 @ 15:51:05

**Mud and Cushion Information**

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 58.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.19 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: inches

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbbl
250.00	HOCGM g=20% o=30% m=50%	1.229
165.00	CGO g=10% o=90%	0.811

Total Length: 415.00 ft      Total Volume: 2.040 bbl

Num Fluid Samples: 0

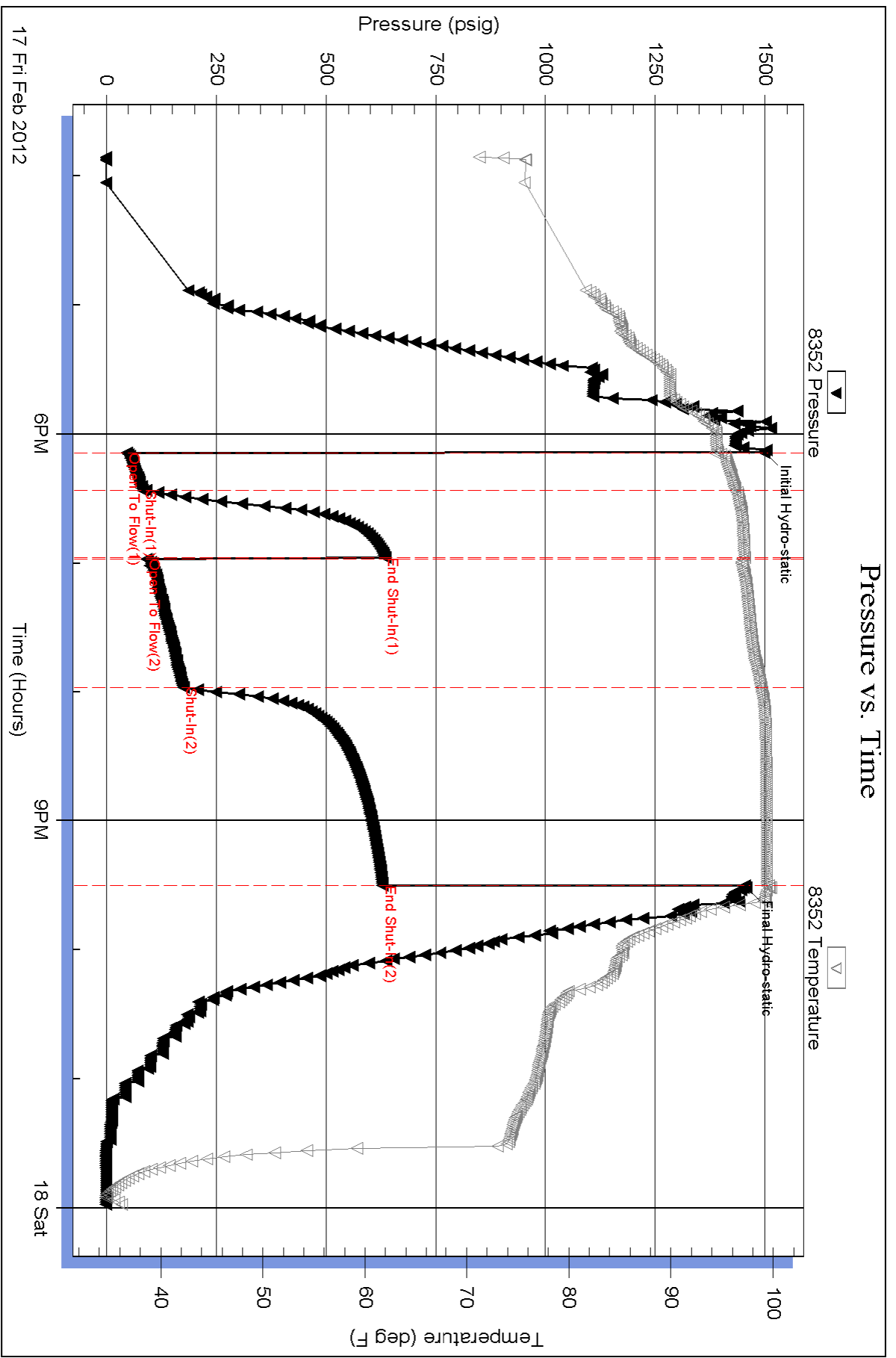
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



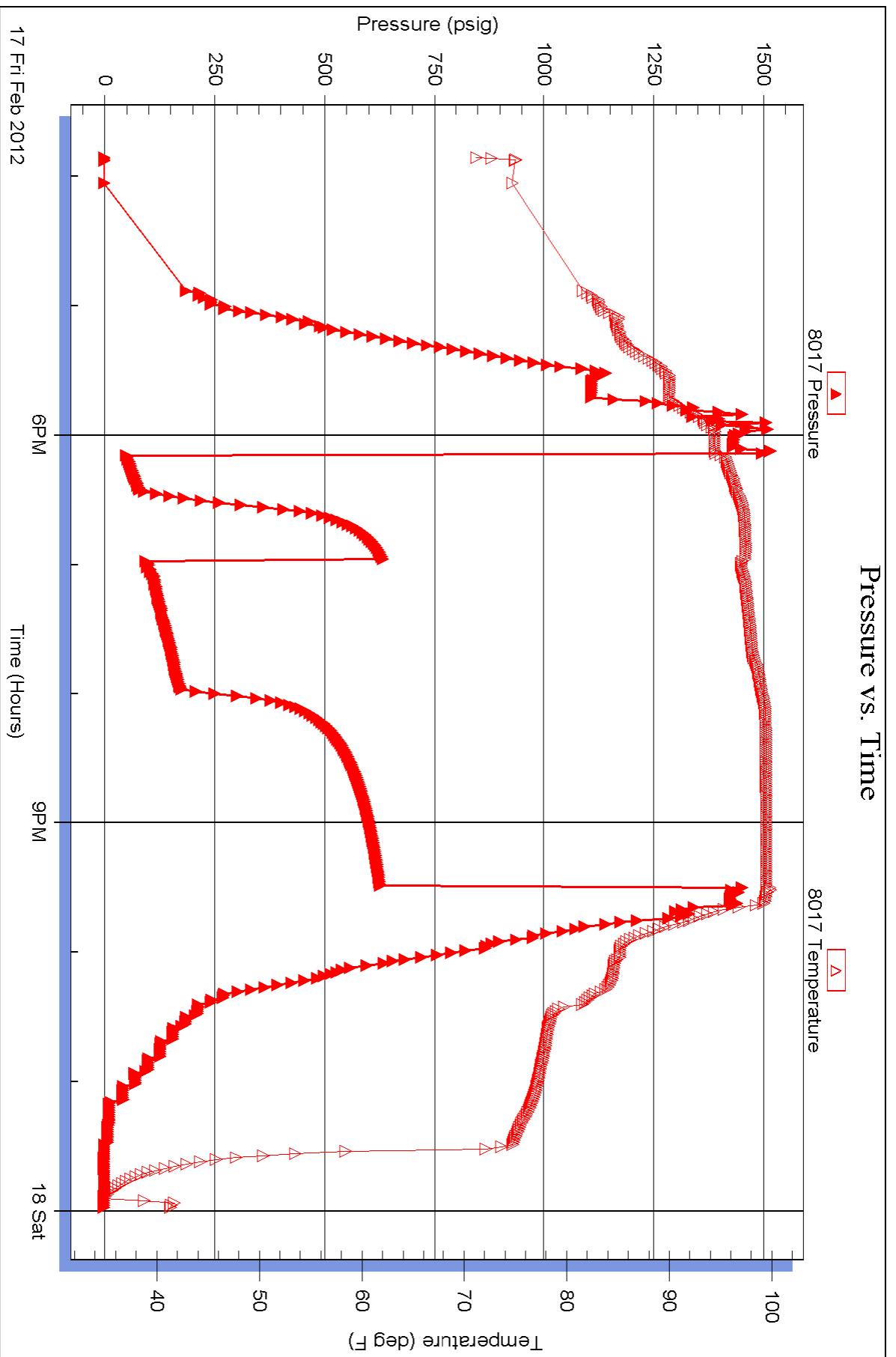
Serial #: 8017

Inside

Berexco LLC

Hummel #5

DST Test Number: 2





**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Berexco LLC.  
 2020 N Bramblewood  
 Wichita Ks. 67206+1094  
 ATTN: Bryan Bynog

**30-14s-14w Russell**  
**Hummel #5**  
 Job Ticket: 45693      **DST#: 3**  
 Test Start: 2012.02.18 @ 13:03:05

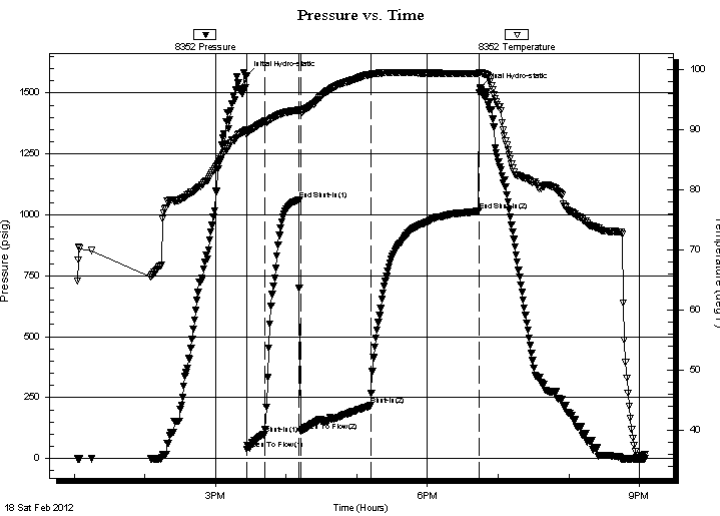
## GENERAL INFORMATION:

Formation: **LKC"I-J"**  
 Deviated: No Whipstock:      ft (KB)  
 Time Tool Opened: 15:26:40  
 Time Test Ended: 21:04:29  
**Interval: 3108.00 ft (KB) To 3155.00 ft (KB) (TVD)**  
 Total Depth: 3155.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Poor  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Andy Carreira  
 Unit No: 39  
 Reference Elevations: 1790.00 ft (KB)  
 1779.00 ft (CF)  
 KB to GR/CF: 11.00 ft

## Serial #: 8352      Outside

Press @ Run Depth: 218.39 psig @ 3115.00 ft (KB)      Capacity: 8000.00 psig  
 Start Date: 2012.02.18      End Date: 2012.02.18      Last Calib.: 2012.02.18  
 Start Time: 13:03:05      End Time: 21:04:29      Time On Btm: 2012.02.18 @ 15:26:20  
 Time Off Btm: 2012.02.18 @ 18:44:50

**TEST COMMENT:** IF:(15min) BOB, 1 min.  
 IS:(30min) Return Blow , Built to 4 inches, Died in 18 min.  
 FF:(60min) BOB, 1 min. Gas to surface in 43 min. TSTM  
 FS:(90min) Return Blow , Built to 5 inches, Decreased to 1 inch.



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1571.75	89.90	Initial Hydro-static
1	38.86	89.10	Open To Flow (1)
16	100.90	91.34	Shut-In(1)
45	1062.34	93.24	End Shut-In(1)
46	110.56	92.94	Open To Flow (2)
106	218.39	99.14	Shut-In(2)
197	1015.88	99.36	End Shut-In(2)
199	1523.72	99.46	Final Hydro-static

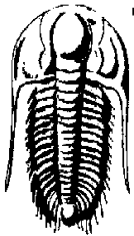
## Recovery

Length (ft)	Description	Volume (bbl)
120.00	HOCGM g=20% o=25% m=55%	0.59
480.00	CGO g=10% o=90%	2.94

## Gas Rates

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

\* Recovery from multiple tests



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Berexco LLC.

**30-14s-14w Russell**

2020 N Bramblewood  
Wichita Ks. 67206+1094

**Hummel #5**

Job Ticket: 45693

**DST#: 3**

ATTN: Bryan Bynog

Test Start: 2012.02.18 @ 13:03:05

## GENERAL INFORMATION:

Formation: **LKC "I-J"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:26:40

Time Test Ended: 21:04:29

Test Type: Conventional Bottom Hole (Reset)

Tester: Andy Carreira

Unit No: 39

Interval: **3108.00 ft (KB) To 3155.00 ft (KB) (TVD)**

Reference Elevations: 1790.00 ft (KB)

Total Depth: 3155.00 ft (KB) (TVD)

1779.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 11.00 ft

**Serial #: 8017** Inside

Press @ Run Depth: psig @ 3115.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.02.18 End Date: 2012.02.18

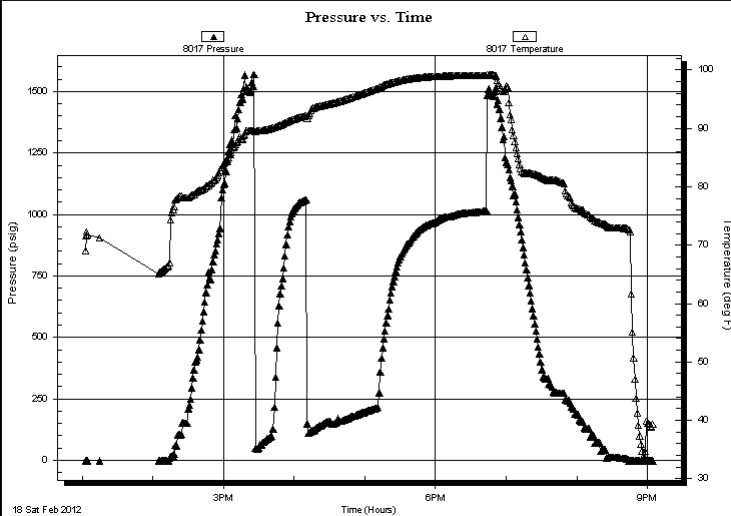
Last Calib.: 2012.02.18

Start Time: 13:03:05 End Time: 21:04:29

Time On Btm:

Time Off Btm:

**TEST COMMENT:** IF:(15min) BOB, 1 min.  
 IS:(30min) Return Blow, Built to 4 inches, Died in 18 min.  
 FF:(60min) BOB, 1 min. Gas to surface in 43 min. TSTM  
 FS:(90min) Return Blow, Built to 5 inches, Decreased to 1 inch.



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

## Recovery

Length (ft)	Description	Volume (bbl)
120.00	HOCGM g=20% o=25% m=55%	0.59
480.00	CGO g=10% o=90%	2.94

## Gas Rates

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

\* Recovery from multiple tests



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Berexco LLC.

**30-14s-14w Russell**

2020 N Bramblewood  
Wichita Ks. 67206+1094

**Hummel #5**

Job Ticket: 45693

**DST#: 3**

ATTN: Bryan Bynog

Test Start: 2012.02.18 @ 13:03:05

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 60.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.17 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5600.00 ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
120.00	HOCGM g=20% o=25% m=55%	0.590
480.00	CGO g=10% o=90%	2.944

Total Length: 600.00 ft      Total Volume: 3.534 bbl

Num Fluid Samples: 0

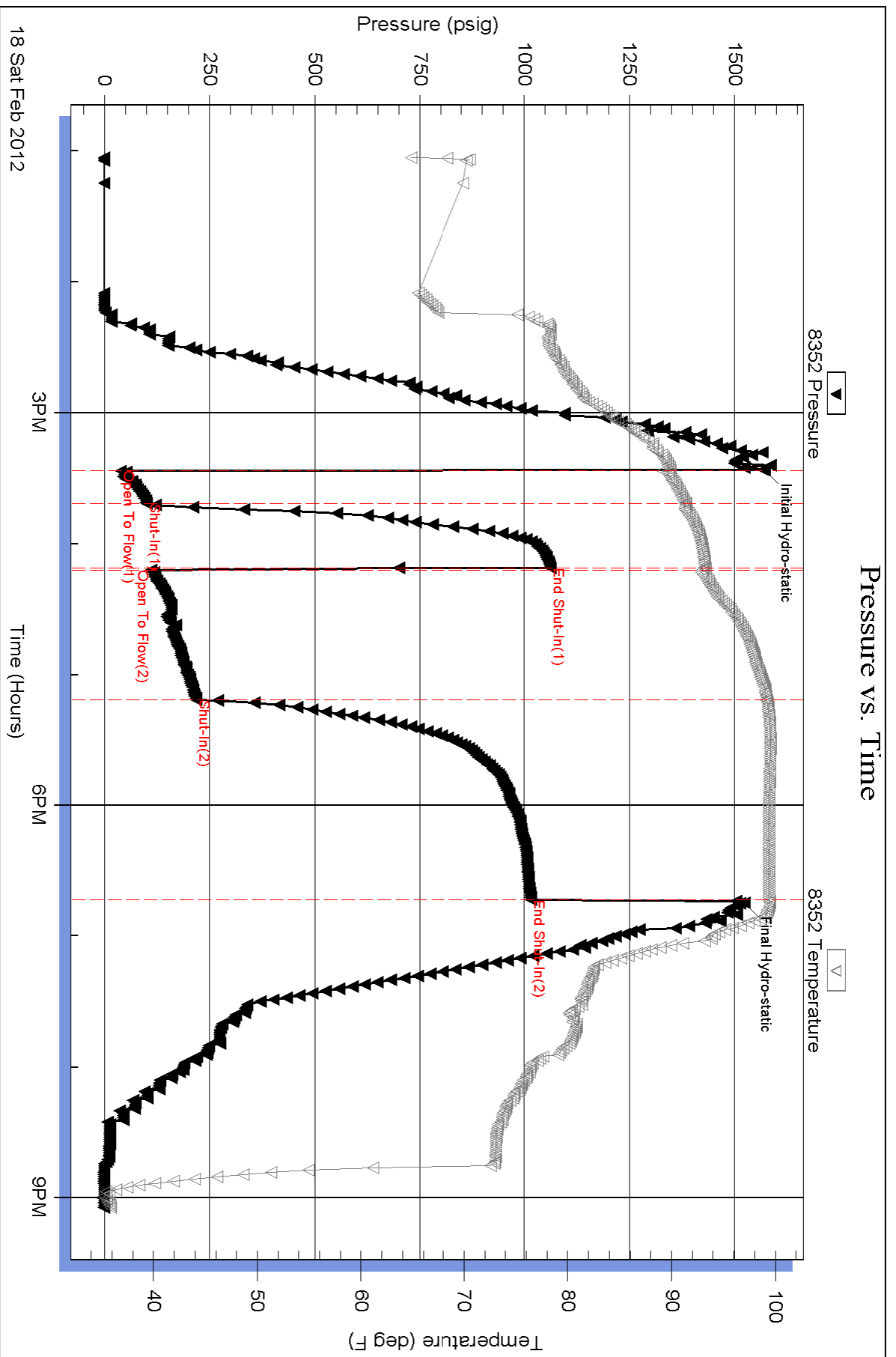
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





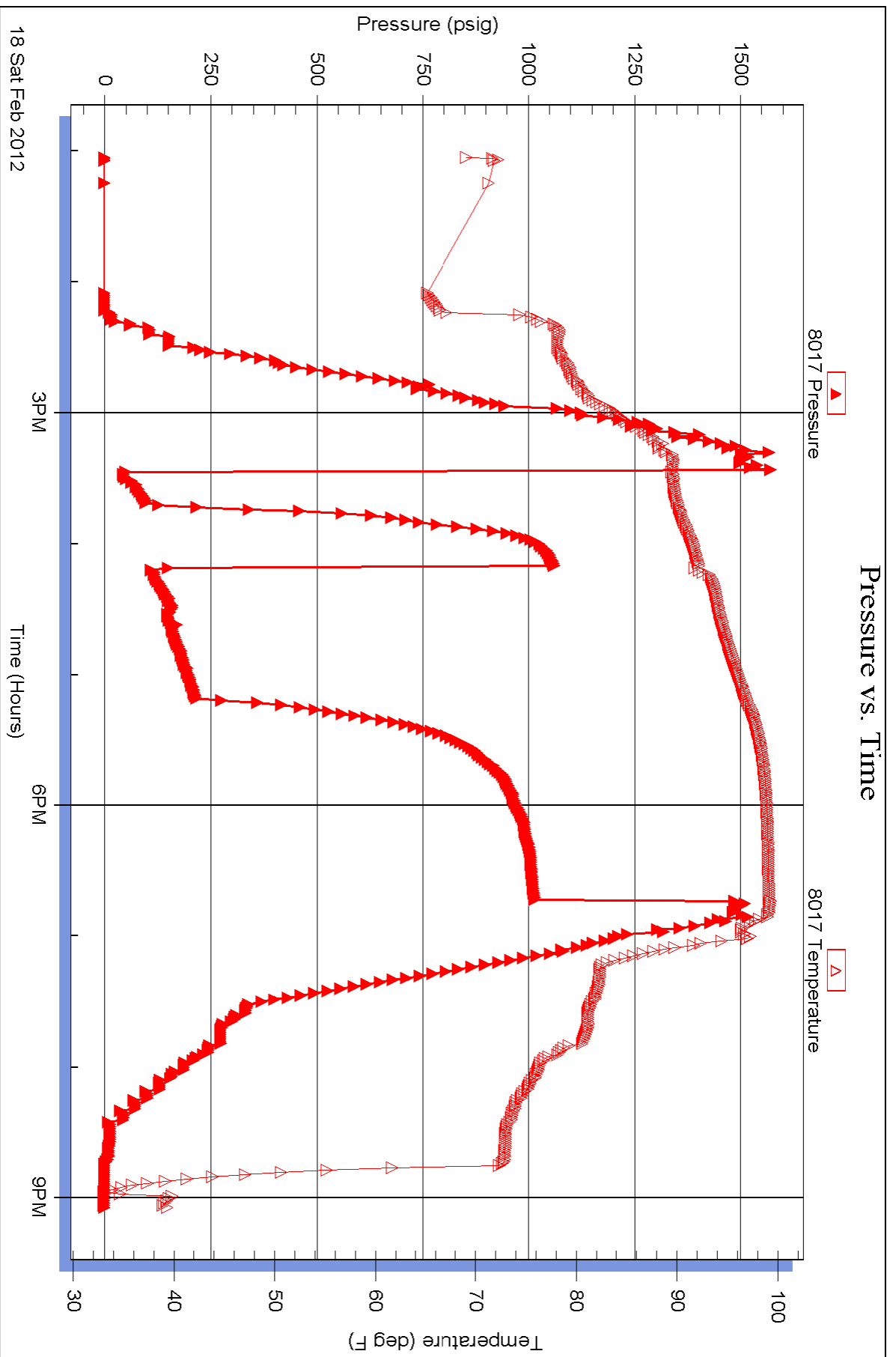
Serial #: 8017

Inside

Berexco LLC

Hummel #5

DST Test Number: 3





**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Berexco LLC.  
 2020 N Bramblewood  
 Wichita Ks. 67206+1094  
 ATTN: Bryan Bynog

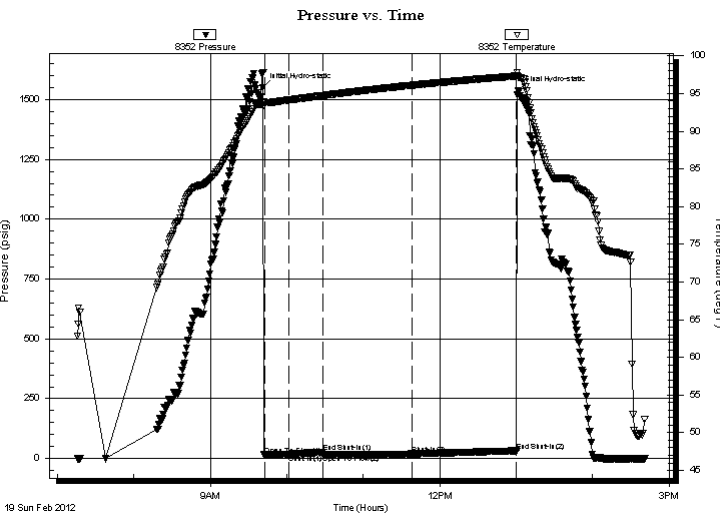
**30-14s-14w Russell**  
**Hummel #5**  
 Job Ticket: 45694      **DST#: 4**  
 Test Start: 2012.02.19 @ 07:16:05

## GENERAL INFORMATION:

Formation: **LKC"K+Arbuckle"**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 09:42:30  
 Time Test Ended: 14:40:39  
 Interval: **3170.00 ft (KB) To 3195.00 ft (KB) (TVD)**  
 Total Depth: 3195.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Poor  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Andy Carreira  
 Unit No: 39  
 Reference Elevations: 1790.00 ft (KB)  
 1779.00 ft (CF)  
 KB to GR/CF: 11.00 ft

**Serial #: 8352      Outside**  
 Press @ Run Depth: 18.99 psig @ 3171.00 ft (KB)      Capacity: 8000.00 psig  
 Start Date: 2012.02.19      End Date: 2012.02.19      Last Calib.: 2012.02.19  
 Start Time: 07:16:05      End Time: 14:40:40      Time On Btm: 2012.02.19 @ 09:41:20  
 Time Off Btm: 2012.02.19 @ 13:01:29

**TEST COMMENT:** IF:(15min) Weak Surface Blow  
 IS:(30min) No Return  
 FF:(60min) No Blow  
 FS:(90min) No Return



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1549.88	93.86	Initial Hydro-static
2	14.94	93.76	Open To Flow (1)
21	17.72	94.13	Shut-In(1)
47	26.02	94.73	End Shut-In(1)
48	16.47	94.73	Open To Flow (2)
117	18.99	96.09	Shut-In(2)
199	31.01	97.32	End Shut-In(2)
201	1536.05	97.19	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
1.00	OSM	0.00

\* Recovery from multiple tests

## Gas Rates

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





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Berexco LLC.

**30-14s-14w Russell**

2020 N Bramblewood  
Wichita Ks. 67206+1094

**Hummel #5**

Job Ticket: 45694

**DST#: 4**

ATTN: Bryan Bynog

Test Start: 2012.02.19 @ 07:16:05

## Tool Information

Drill Pipe:	Length: 2610.00 ft	Diameter: 3.80 inches	Volume: 36.61 bbl	Tool Weight:	3000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer:	24000.00 lb
Drill Collar:	Length: 535.92 ft	Diameter: 2.25 inches	Volume: 2.64 bbl	Weight to Pull Loose:	56000.00 lb
			<u>Total Volume: 39.25 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	3.92 ft			String Weight: Initial	50000.00 lb
Depth to Top Packer:	3170.00 ft			Final	50000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	25.00 ft				
Tool Length:	53.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			
Tool Comments:					

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3143.00	
Shut In Tool	5.00			3148.00	
Hydraulic tool	5.00			3153.00	
Jars	5.00			3158.00	
Safety Joint	3.00			3161.00	
Packer	5.00			3166.00	28.00 Bottom Of Top Packer
Packer	4.00			3170.00	
Stubb	1.00			3171.00	
Recorder	0.00	8017	Inside	3171.00	
Recorder	0.00	8352	Outside	3171.00	
Perforations	21.00			3192.00	
Bullnose	3.00			3195.00	25.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>		<b>53.00</b>			



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Berexco LLC.

**30-14s-14w Russell**

2020 N Bramblewood  
Wichita Ks. 67206+1094

**Hummel #5**

Job Ticket: 45694

**DST#: 4**

ATTN: Bryan Bynog

Test Start: 2012.02.19 @ 07:16:05

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.78 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6000.00 ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1.00	OSM	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:

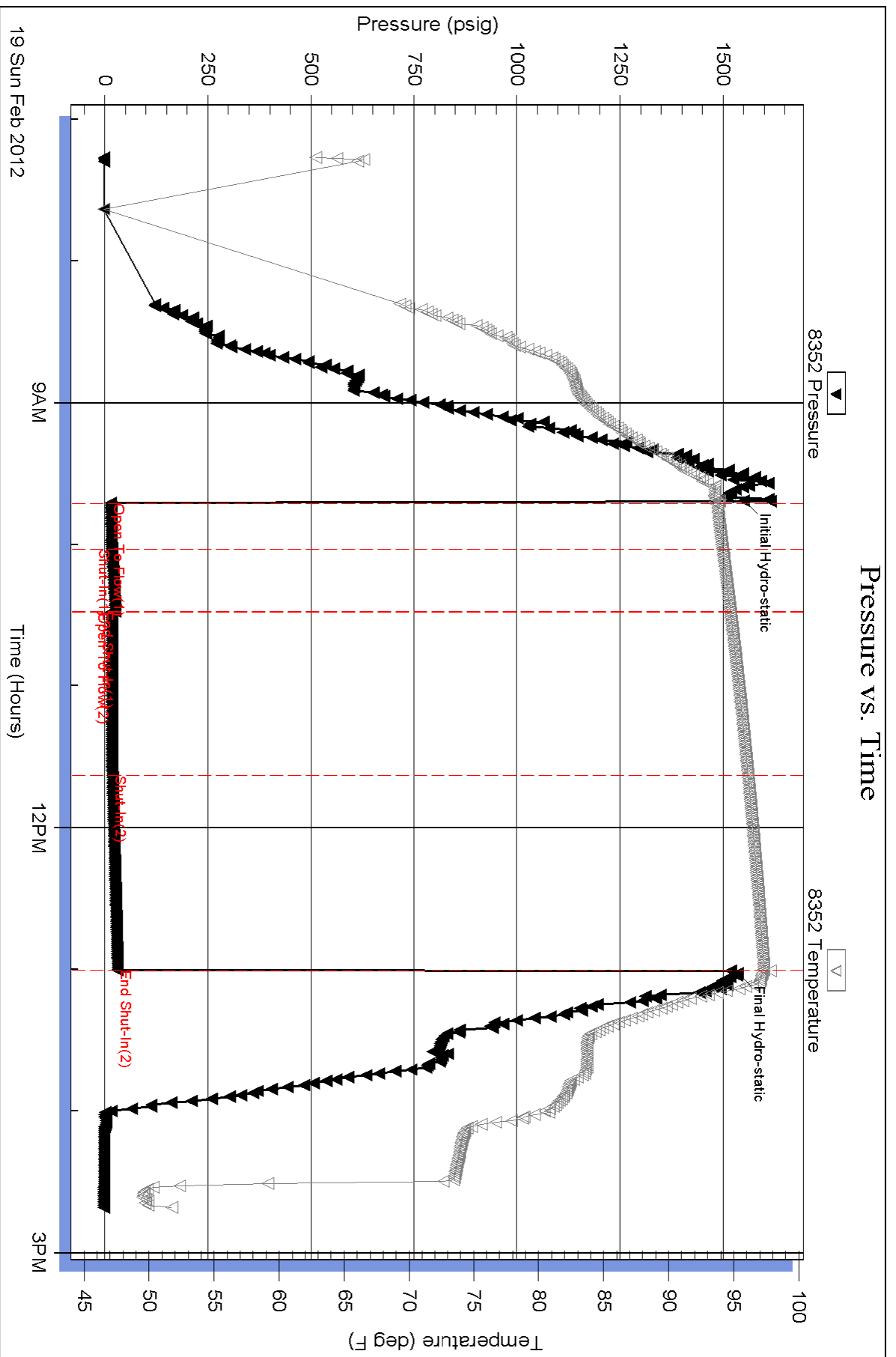
Recovery Comments:

Serial #: 8352

Outside Berexco LLC.

Hummel #5

DST Test Number: 4



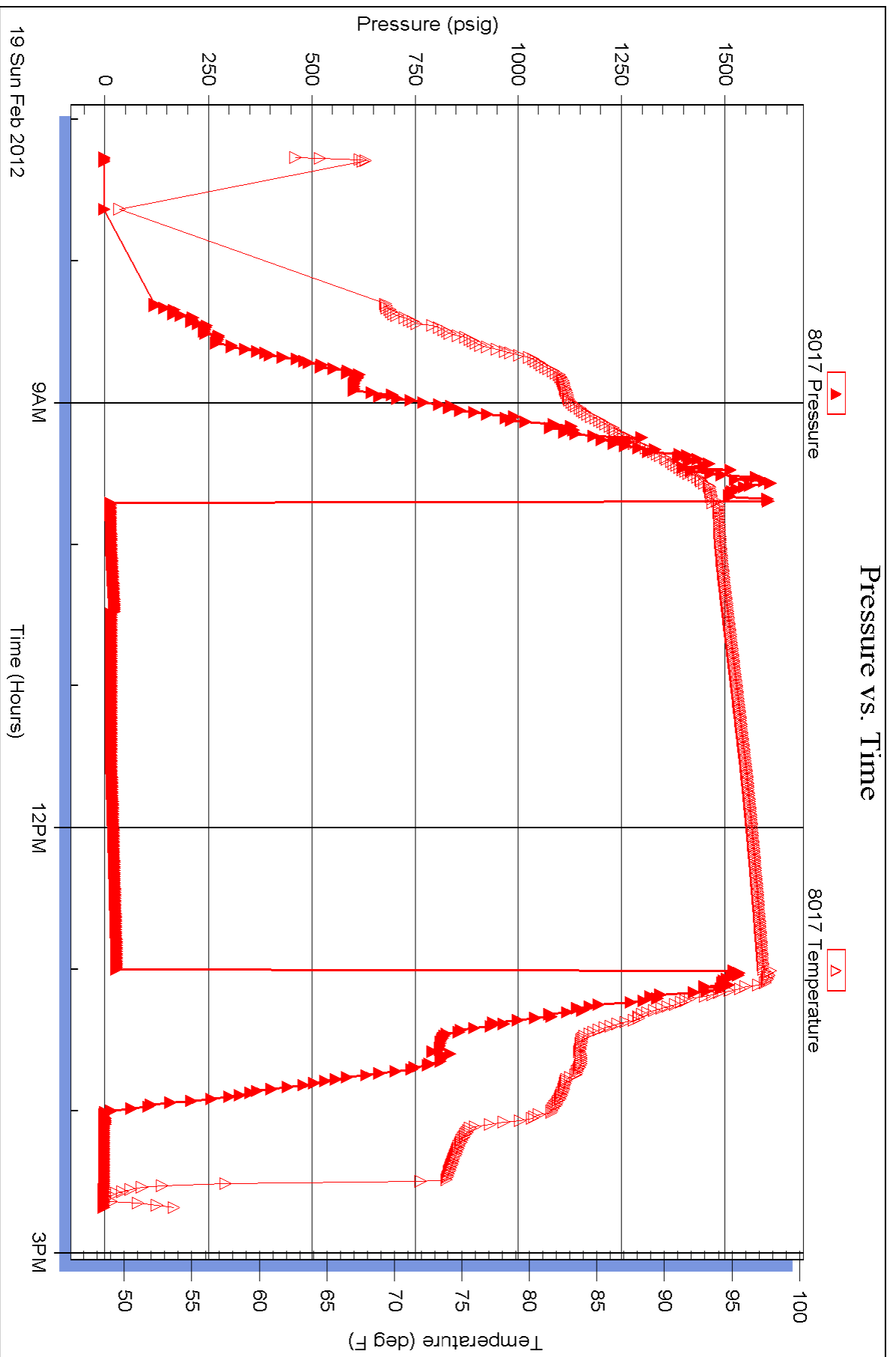
Serial #: 8017

Inside

Berexco LLC.

Hummel #5

DST Test Number: 4



Triobite Testing, Inc

Ref. No: 45694

Printed: 2012.02.19 @ 16:38:54



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Berexco LLC.  
2020 N Bramblewood  
Wichita Ks. 67206+1094  
ATTN: Bryan Bynog

**30-14s-14w Russell**  
**Hummel #5**  
Job Ticket: 45695      **DST#: 5**  
Test Start: 2012.02.19 @ 21:25:05

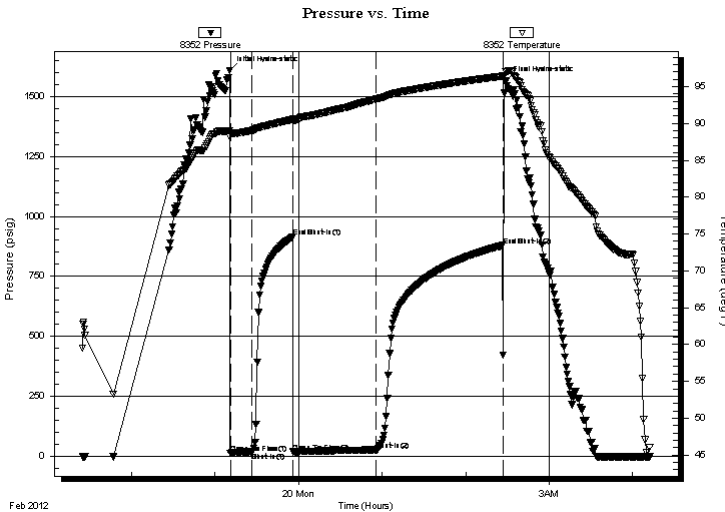
## GENERAL INFORMATION:

Formation: **Arbuckle**  
Deviated: No      Whipstock:      ft (KB)  
Time Tool Opened: 23:11:00  
Time Test Ended: 04:12:20  
Interval: **3195.00 ft (KB) To 3203.00 ft (KB) (TVD)**  
Total Depth: 3203.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches      Hole Condition: Poor  
Test Type: Conventional Bottom Hole (Reset)  
Tester: Andy Carreira  
Unit No: 39  
Reference Elevations: 1790.00 ft (KB)  
1779.00 ft (CF)  
KB to GR/CF: 11.00 ft

**Serial #: 8352      Outside**  
Press @ Run Depth: 27.34 psig @ 3196.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2012.02.19      End Date: 2012.02.20      Last Calib.: 2012.02.20  
Start Time: 21:25:05      End Time: 04:12:20      Time On Btm: 2012.02.19 @ 23:10:30  
Time Off Btm: 2012.02.20 @ 02:28:59

**TEST COMMENT:** IF:(15min) Weak Surface Blow  
IS:(30min) No Return  
FF:(60min) No Blow  
FS:(90min) No Return

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1608.45	88.99	Initial Hydro-static
1	13.52	88.17	Open To Flow (1)
17	17.68	89.05	Shut-In(1)
46	914.59	90.57	End Shut-In(1)
46	18.78	90.32	Open To Flow (2)
106	27.34	93.30	Shut-In(2)
197	878.92	96.42	End Shut-In(2)
199	1565.44	97.01	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
10.00	MW	0.05

\* Recovery from multiple tests

## Gas Rates

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





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Berexco LLC.

**30-14s-14w Russell**

2020 N Bramblewood  
Wichita Ks. 67206+1094

**Hummel #5**

Job Ticket: 45695

**DST#: 5**

ATTN: Bryan Bynog

Test Start: 2012.02.19 @ 21:25:05

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

57000 ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.77 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6000.00 ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	MW	0.049

Total Length: 10.00 ft      Total Volume: 0.049 bbl

Num Fluid Samples: 0

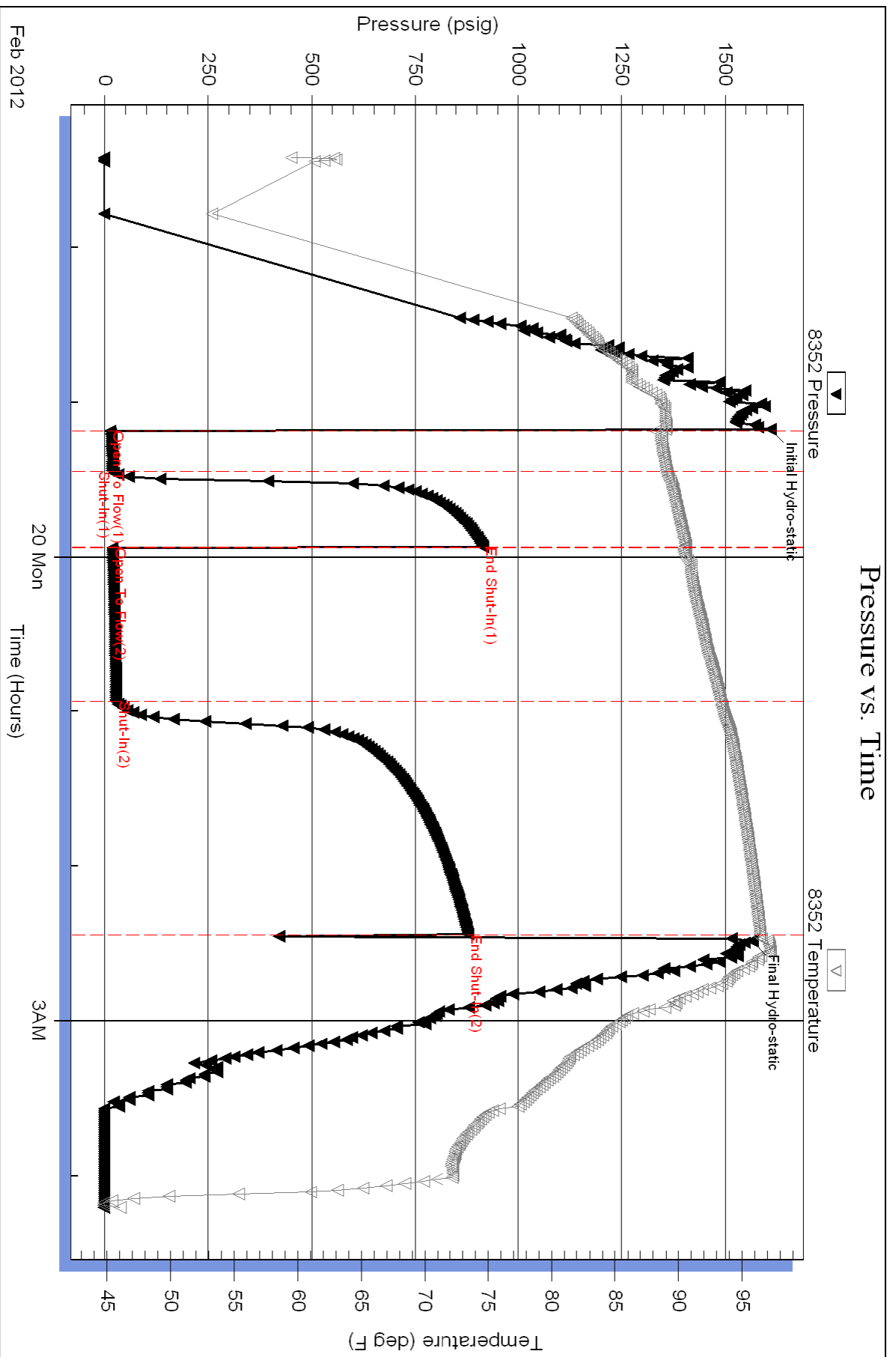
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Resistivity- .15 @ 60 deg = 57000





**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Berexco LLC.  
 2020 N Bramblewood  
 Wichita Ks. 67206+1094  
 ATTN: Bryan Bynog

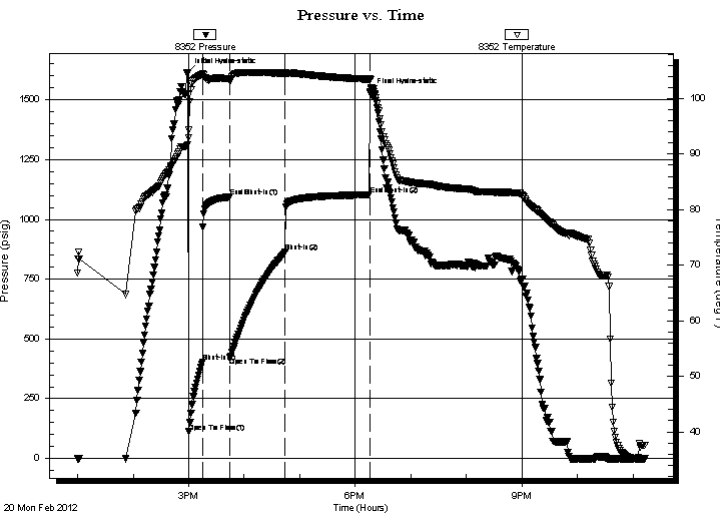
**30-14s-14w Russell**  
**Hummel #5**  
 Job Ticket: 45696 **DST#: 6**  
 Test Start: 2012.02.20 @ 13:00:05

## GENERAL INFORMATION:

Formation: **Arbuckle**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 15:00:00  
 Time Test Ended: 23:13:00  
 Interval: **3203.00 ft (KB) To 3217.00 ft (KB) (TVD)**  
 Total Depth: 3217.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Poor  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Andy Carreira  
 Unit No: 39  
 Reference Elevations: 1790.00 ft (KB)  
 1779.00 ft (CF)  
 KB to GR/CF: 11.00 ft

**Serial #: 8352 Outside**  
 Press @ Run Depth: 862.86 psig @ 3204.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2012.02.20 End Date: 2012.02.20 Last Calib.: 2012.02.20  
 Start Time: 13:00:05 End Time: 23:13:00 Time On Btm: 2012.02.20 @ 14:59:10  
 Time Off Btm: 2012.02.20 @ 18:15:50

**TEST COMMENT:** IF:(15min.) BOB, 1 min.  
 IS:(30min) Return Surface Blow  
 FF:(60min) BOB, 1 min.  
 FS:(90min) Return 1 inch Blow



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1613.45	91.74	Initial Hydro-static
1	111.15	92.99	Open To Flow (1)
16	403.07	104.35	Shut-In(1)
46	1094.18	103.53	End Shut-In(1)
46	422.25	103.23	Open To Flow (2)
106	862.86	104.55	Shut-In(2)
197	1102.69	103.48	End Shut-In(2)
197	1528.62	103.53	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
60.00	OSWM w =40% m=60%	0.30
60.00	OSMW m=10% w =90%	0.30
1880.00	CO	22.58

\* Recovery from multiple tests

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Berexco LLC.

**30-14s-14w Russell**

2020 N Bramblewood  
Wichita Ks. 67206+1094

**Hummel #5**

Job Ticket: 45696

**DST#: 6**

ATTN: Bryan Bynog

Test Start: 2012.02.20 @ 13:00:05

### Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

70000 ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.78 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6000.00 ppm

Filter Cake: inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	OSWM w=40% m=60%	0.295
60.00	OSMW m=10% w=90%	0.295
1880.00	CO	22.583

Total Length: 2000.00 ft      Total Volume: 23.173 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

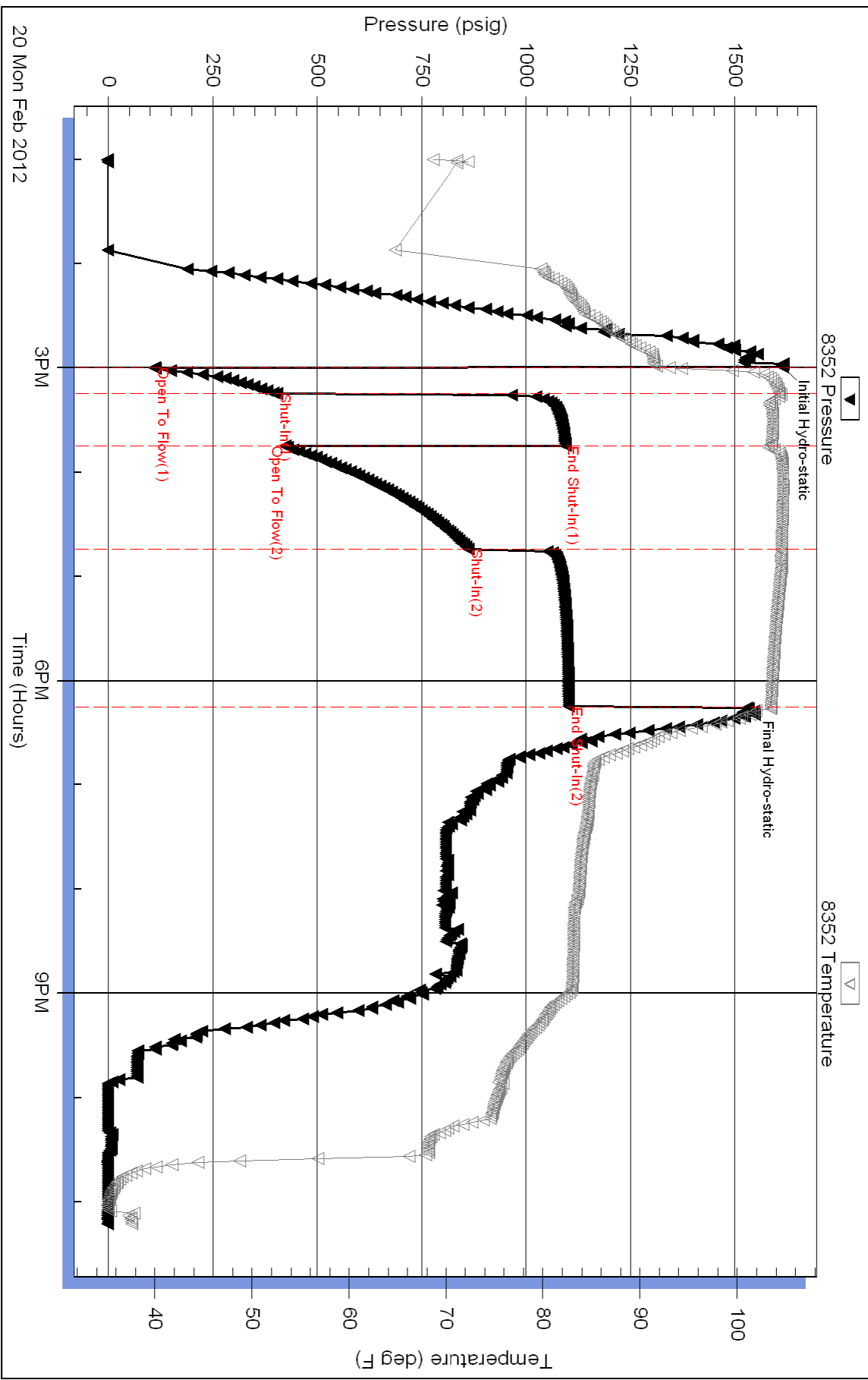
Laboratory Name:

Laboratory Location:

Recovery Comments: Pulled 360 ft of oil & dropped bar & reversed.

Resistivity- .16 @ 48 deg = 70000

### Pressure vs. Time



# ALLIED CEMENTING CO., LLC. 034570

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:

Russell Ks  
MIDNIGHT

DATE <u>2-22-2012</u>	SEC. <u>30</u>	TWP. <u>14 S</u>	RANGE <u>WELL FILE</u>	CALLED OUT	ON LOCATION	JOB START <u>4:00 AM</u>	JOB FINISH <u>4:30 AM</u>
LEASE <u>Hummel</u>	WELL # <u>5</u>	LOCATION <u>Russell Ks Hwy 40</u>		COUNTY <u>RUSSELL</u>	STATE <u>KANSAS</u>		
OLD OR <u>NEW</u> (Circle one)		<u>3 1/2" 6 1/2 S E INTO</u>					

CONTRACTOR Bredco DRG. Rig #10 OWNER \_\_\_\_\_

TYPE OF JOB PRODUCTION STRING

HOLE SIZE 7 7/8 1500 → T.D. RTD 3284 / LTD 3282

CASING SIZE 5 1/2 15" DEPTH 3279

TUBING SIZE New CSG. DEPTH \_\_\_\_\_

DRILL PIPE 9 7/8 DEPTH 1500' TOP

TOOL LATCH DOWN PLUG DEPTH 3201

PRES. MAX 1800 # MINIMUM \_\_\_\_\_

MEAS. LINE \_\_\_\_\_ SHOE JOINT 84.25

CEMENT LEFT IN CSG 54.25

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

DISPLACEMENT 76.18 / BBL

EQUIPMENT \_\_\_\_\_

CEMENT

AMOUNT ORDERED 325 SX 60 8% Gel  
500 GAL W/F 3/4" #10 Seal PER SX  
150 SX ASC w/6% Kol-Seal

COMMON	<u>195 SX</u>	@ <u>16.25</u>	<u>3168.75</u>
POZMIX	<u>130 SX</u>	@ <u>8.50</u>	<u>1105.00</u>
GEL	<u>26 SX</u>	@ <u>21.25</u>	<u>552.50</u>
CHLORIDE		@	
ASC	<u>150 SX</u>	@ <u>19.00</u>	<u>2850.00</u>
Gilsonite	<u>900 LB'S</u>	@ <u>.89</u>	<u>801.00</u>
Flo-Seal	<u>82 LB'S</u>	@ <u>2.70</u>	<u>221.40</u>
		@	
		@	
		@	
		@	
		@	
		@	
		@	
HANDLING	<u>40.510 TOTAL SX</u>	@ <u>2.25</u>	<u>1147.50</u>
MILEAGE	<u>10 TEN mile</u>	@ <u>11#</u>	<u>561.00</u>
Drillage	<u>5100</u>		
TOTAL			<u>10407.15</u>

PUMP TRUCK CEMENTER GILLEN

# 417 HELPER TODD M.

BULK TRUCK

# 423 DRIVER RON B.

BULK TRUCK

# 378 DRIVER ROBERT Y.

REMARKS:

Ran 28 JT'S OFF NEWS 50# CSG.  
Set @ 3279 RECEIVED CIRCULATION, DROP AFU BALL, (2000#)  
± CIRC. FOR 1 HR. ON BOTTOM. Pump MUD  
FLUSH, & Mix 325 SX 60 8% Gel 1/4" #10 Seal,  
Followed by 150 SX ASC, 6% Kol-Seal, Clear-  
LINE, Release LATCH DN, Plug, & Displace  
75/BAL Hz, Land Plug @ 1800 #. TO  
LATCH IN BAFFLE, Released & (HELD).  
30 SX @ Rat Hole  
15 SX @ mouse hole

THANKS

SERVICE

DEPTH OF JOB			
PUMP TRUCK CHARGE			<u>2225.00</u>
EXTRA FOOTAGE	@		
MILEAGE 10 HV MI	@	<u>7.00</u>	<u>70.00</u>
MANIFOLD	@		
10 LV MI	@	<u>4.00</u>	<u>40.00</u>
	@		

CHARGE TO: Berexco LLC.

STREET \_\_\_\_\_

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

TOTAL 2295.00

Weatherford PLUG & FLOAT EQUIPMENT

AFU FLOAT SHOE			<u>232.00</u>
LATCH DOWN PLUG ASSY	@		<u>184.00</u>
1-BASKET	@		<u>178.00</u>
15-CENTRALIZERS	@	<u>37.00</u>	<u>555.00</u>
1-STOP RING	@		<u>30.00</u>
	@		
TOTAL			<u>1179.00</u>

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 13881.15

DISCOUNT 24% IF PAID IN 30 DAYS

PRINTED NAME \_\_\_\_\_

SIGNATURE Dennis Kinner

**BEREXCO, LLC.  
HUMMEL # 5  
SWSWSW 30 14S-14W  
RUSSELL COUNTY, KANSAS**

**GEOLOGIST  
WILLIAM B. BYNOG**

HUMMEL # 5

ANHYDRITE 999(+791) S

BASE 1034(+756) S

BEREDCO DRILLING RIG 10 DRILLING 7 7/8 HOLE

SAMPLES DESCRIPTIONS HUMMEL # 5

2500-2676 SHALE gray,gray green,firm,very argillaceous with thin bedded LIMESTONE pale gray,firm,dirty,poor porosity,no shows

2676-2745 LIMESTONE buff,hard,blocky,dense, poor porosity,no shows with thin SHALE as above

2745-80 LIMESTONE pale gray,buff,firm,slightly chalky,fossils,poor to fair intxn porosity,no shows with thin SHALE as above

2780-2830 LIMESTONE buff,hard,blocky,dense, poor porosity,no shows with thin SHALE as above

2830-36 GRAINSTONE white, firm,very oolitic,fair to good intergranular porosity, spotty live brown stain,very good cut,good show free oil

2836-50 LIMESTONE buff,very hard,blocky,dense, poor porosity,no shows

2850-62 LIMESTONE buff,hard,slightly fossils, dense,poor porosity,no shows



HUMMEL # 5

2862-72 LIMESTONE buff,firm,oolitic, poor to fair intergranular porosity,spotty live brown stain,good cut,fair show free oil

2872-80 LIMESTONE buff,hard,dense,no shows

2880-82 LIMESTONE white,firm,oolitic, poor to fair intergranular porosity,spotty live brown stain,good cut and odor,poor show free oil

2882-2900 LIMESTONE buff,hard,dense,slightly fossils,no shows

2900-20 SHALE dark gray,gray black,firm,fissile with thin LIMESTONE buff,very hard,very dense

2920-26 LIMESTONE buff,firm,slightly oolitic,chalky, poor to fair intergranular porosity,very spotty live brown stain,good cut,nfo

2926-34 LIMESTONE buff,hard,dense,no shows

2934-59 SHALE gray,green,firm,fissile

2934-62 LIMESTONE buff,hard,blocky,poor pinpoint vuggy porosity,very spotty live brown stain,fair cut,nfo

2962-75 LIMESTONE buff,very hard,dense,no shows

HUMMEL # 5

2975-79 SHALE as above

2979-84 LIMESTONE white,firm,chalky,poor crystalline and pinpoint vuggy porosity,spotty live brown stain,good cut and odor,trace free oil

2984-92 LIMESTONE buff,very hard,dense,no shows with thin SHALE as above

2992-3000 LIMESTONE as above trace poor pinpoint vuggy porosity with very spotty stain,poor cut,nfo

3000-16 LIMESTONE buff,hard,dense,poor pinpoint vuggy porosity with very spotty black dead stain,poor cut

3016-24 SHALE gray,firm,fissile

3024-32 LIMESTONE buff,very hard,dense, blocky,chalky in part,no shows with thin SHALE as above

3032-42 LIMESTONE white,firm,chalky,poor pinpoint vuggy porosity,very rare stain,poor cut

3042-48 LIMESTONE buff,firm,fossils,slightly chalky,fair moldic porosity,spotty live brown stain,good cut and odor fair show free oil

3048-60 LIMESTONE buff,very hard,dense, poor porosity,some fair moldic porosity,very spotty light stain,fair cut,nfo

HUMMEL # 5

3060-80 LIMESTONE buff,very hard,dense,poor porosity,as above some Chert white,no shows trace poor moldic porosity,no shows

3080-3100 SHALE gray,gray green,firm, blocky,limy with thin LIMESTONE as above

3100-10 LIMESTONE buff,hard,blocky, dense,trace poor moldic porosity,very spotty faint stain,poor cut with thin SHALE as above

3110-22LIMESTONE white,buff,slightly hard, oolitic,poor to fair moldic porosity,spotty live brown stain,good cut,poor show free oil with LIMESTONE buff,dense

3120-30 SHALE gray,gray black,firm,slightly carbonaceous,blocky

3130-44 LIMESTONE slightly hard,slightly chalky, oolitic,fair moldic porosity,spotty live brown stain,good cut,poor show free oil

3144-55 LIMESTONE buff,very hard,dense,no shows

3155-60 SHALE as above

3160-70 LIMESTONE as above very dense,no shows

3170-88 GRAINSTONE white, buff,slightly hard,very oolitic,poor to fair intg porosity,spotty to even live brown stain,very good cut and odor,good show free oil with thin LIMESTONE buff,very hard,dense

HUMMEL # 5

3188-95 DOLOMITE buff,slightly hard,fair oolitic moldic and crystalline porosity,spotty to even brown live stain,very good cut and odor,good show free oil

3195-3203 DOLOMITE firm,oolitic,micsuc,fair to trace good crystalline porosity,spotty to even brown live stain,very good cut and odor,good show free oil

3203-10 DOLOMITE as above,hard,micxln,poor intxln porosity,spotty brown stain,good cut and odor,nsfo

3210-18 DOLOMITE buff,firm,micsuc,fair to good intxln porosity,even live brown stain,good cut,and odor,good show free oil

3218-25 DOLOMITE white,buff,very hard,dense,no shows

3225-34 DOLOMITE buff,firm,micsuc,fair to good crystalline porosity,even live brown stain,good cut and odor,good show free oil

3234-80 DOLOMITE white,very hard,dense,very fnly crystalline,poor porosity,no shows some scattered samples with stain as above, probably cavings

RTD 3280'

LTD 3282'

# LITHOLOGY STRIP LOG

WellSight Systems

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

Well Name: HUMMEL # 5  
 Location: SWSWSW 30 14S-14W RUSSELL COUNTY, KANSAS  
 Licence Number: 15-167-23773  
 Spud Date: 2-10-2012  
 Surface Coordinates: 330' FSL & 330' FWL  
 Region: MIDCONTINENT  
 Drilling Completed: 2-21-2012

Bottom Hole Coordinates:  
 Ground Elevation (ft): 1779  
 Logged Interval (ft): 2500 To: 3280  
 Formation: TORONTO, LKC & ARBUCKLE  
 Type of Drilling Fluid: FRESH  
 K.B. Elevation (ft): 1790  
 Total Depth (ft): 3280

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

## OPERATOR

Company: BEREXCO, LLC  
 Address: 2020 N. BRAMBLEWOOD  
 WICHITA, KS. 67206

## GEOLOGIST

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

## SURVEYS

DEPTH	ANGLE
1545	3/4
3000	1

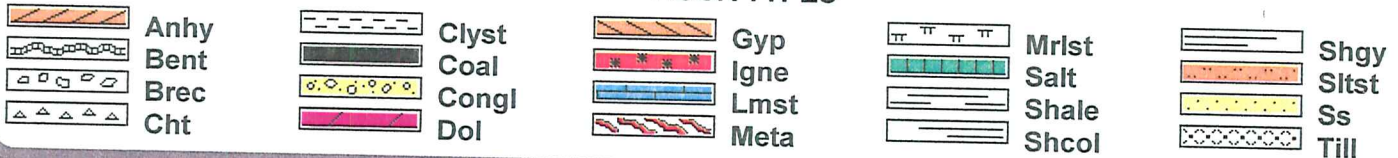
## DSTS

DST#1 2932-3000, DST#2 3010-48, DST#3 3108-3155, DST#4 3170-95, DST#5 3195-3203, DST#6 3203-17

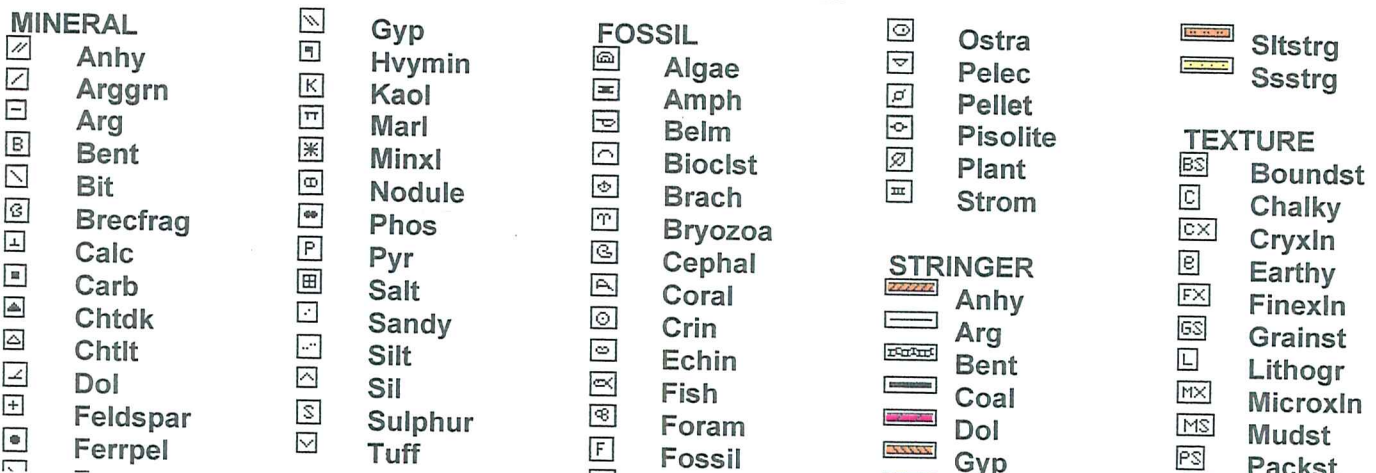
## Comments

SET 5 1/2 PRODUCTION PIPE

## ROCK TYPES



## ACCESSORIES



rerrper  
Ferr  
Glau

UIT

Fossil  
Gastro  
Oolite

Gyp  
Ls  
Mrst

PACKST  
Wackest

OTHER SYMBOLS

**POROSITY**  
E Earthy  
B Fenest  
F Fracture  
X Inter  
M Moldic  
O Organic  
P Pinpoint

V Vuggy

**SORTING**  
W Well  
M Moderate  
P Poor

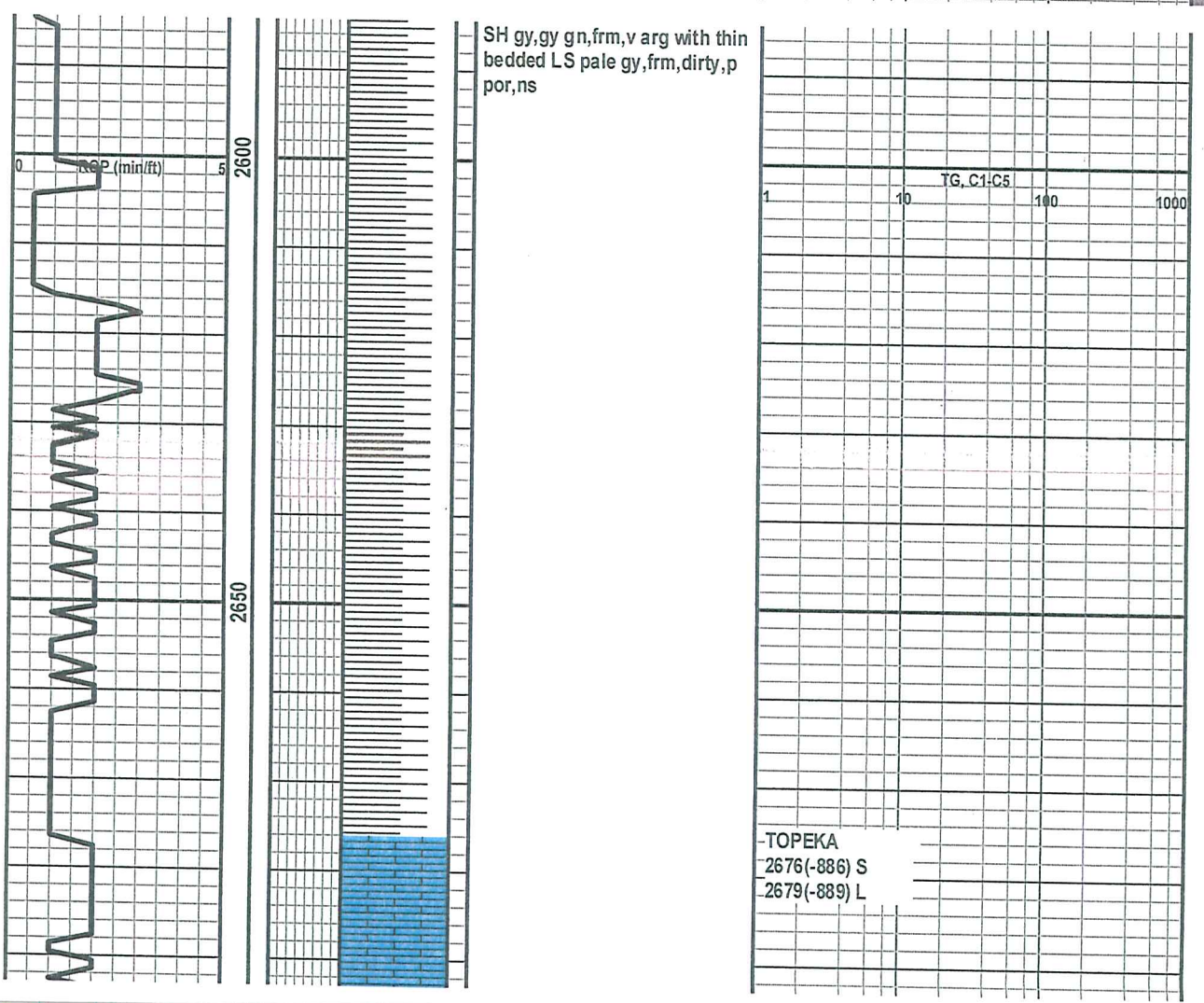
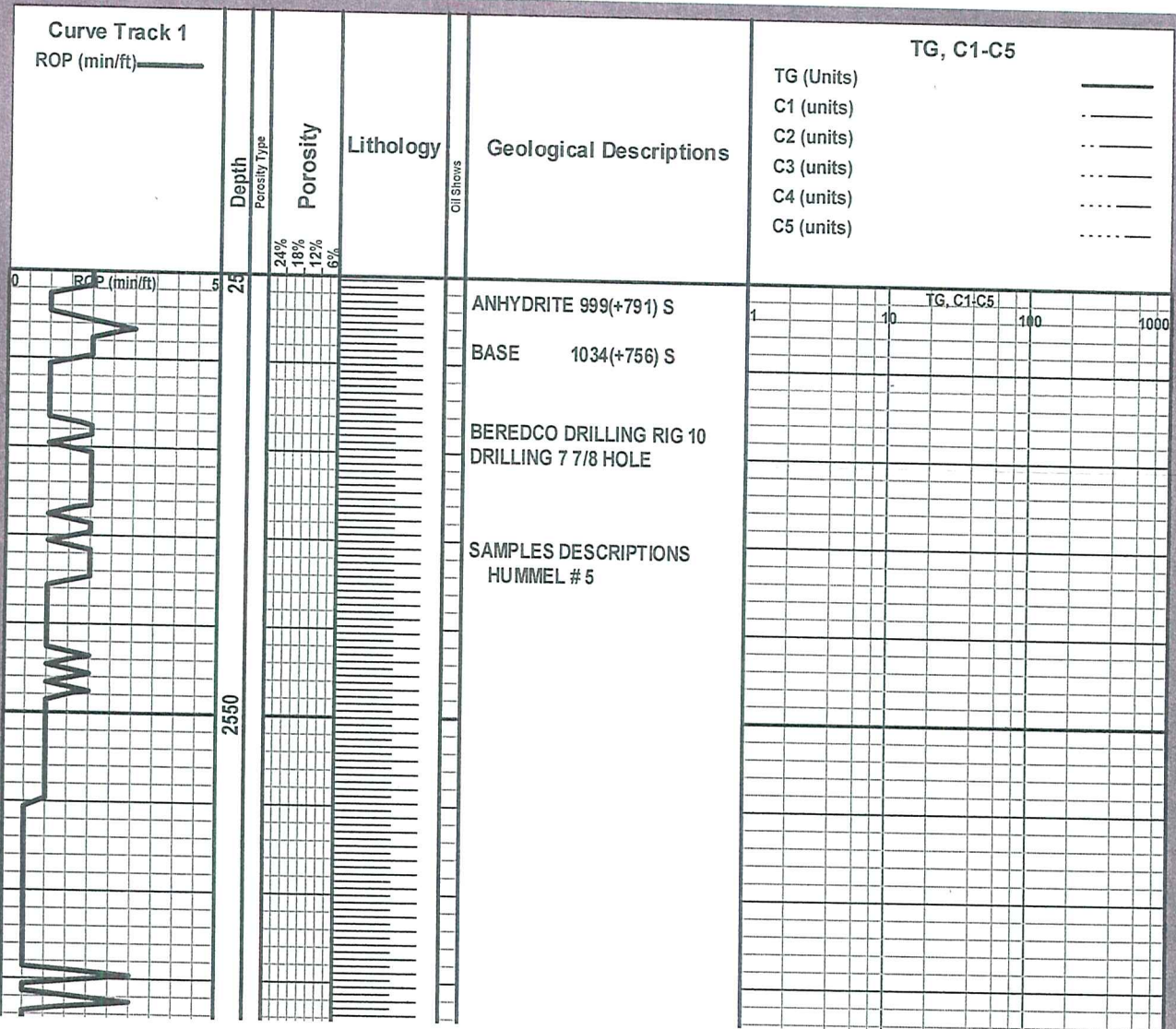
**ROUNDING**  
R Rounded  
r Subrnd  
a Subang  
A Angular

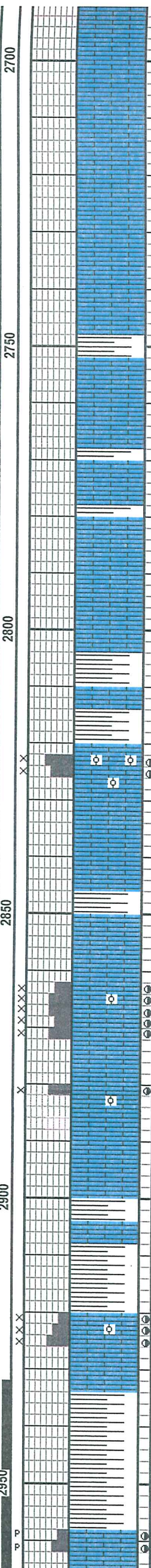
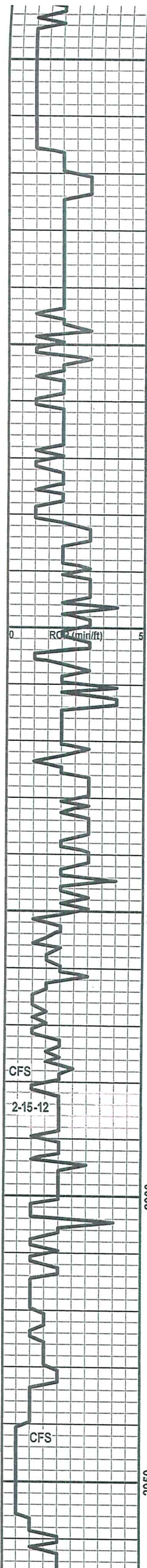
Spotted  
Ques  
Dead

**EVENT**  
Rft  
Sidewall

**OIL SHOW**  
Even

**INTERVAL**  
Dst  
Dst





2700 LS buff,hd,blky,dns, p por,ns with thin SH aa

2750 LS pale gy,buff,frm,sl chky,foss,p-fr intxn por,ns with thin SH aa

2800 LS buff,hd,blky,dns, p por,ns with thin SH aa

GRAINSTONE wh, frm,v oolitic,fr-g intgr por, spty live brn stn,v g cut,g show free oil

LS buff,v hd,blky,dns, p por,ns

2850 LS buff,hd,sl foss, dns,p por,ns

LS buff,frm,oolitic, p-fr intgr por,spty live brn stn,g cut,fr show free oil

LS buff,hd,dns,ns

LS wh,frm,oolitic, p-fr intgr por,spty live brn stn,g cut & odor,p show free oil

LS buff,hd,dns,sl foss,ns

2900 SH dk gy,gy blk,frm,fiss with thin LS buff,v hd,v dns

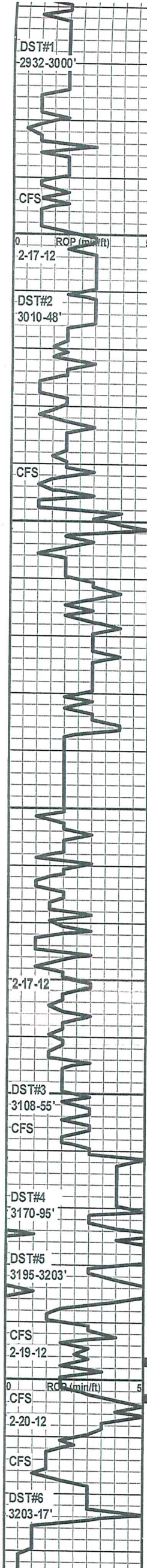
LS buff,frm,sl oolitic,chky, p-fr intgr por,v spty live brn stn,g cut,nfo

LS buff,hd,dns,ns

SH gy,gn,frm,fiss

LS buff,hd,blky,p pp vuggy por,v spty live brn stn,fr cut,nfo

TG, C1 C5	1	10	100	1000
PLATTSMOUTH				
2850(-1060) S				
2852(-1062) L				
MUD DATA 2882'				
WT 9.0 VIS 45				
FL 8.8 Ph 10.5				
CK 1 CL 2000				
HEEBNER				
2900(-1110) S				
2902(-1112) L				
TORONTO				
2920(-1130) S				
2920(-1130) L				
DST#1 2932-3000				
15-30-60-90"				
IH 1437 IF 27-91				
(op bob in 8")				
A ZONE				
2959(-1169) S				



por, v spty live brn stn, fr cut, nfo

LS buff, v hd, dns, ns

SH aa

LS wh, frm, chky, p xln & pp vuggy por, spty live brn stn, g cut & odor, tr free oil

LS buff, v hd, dns, ns with thin SH aa

LS aa tr p pp vuggy por with v spty stn, p cut, nfo

LS buff, hd, dns, p pp vuggy por with v spty blk dd stn, p cut

SH gy, frm, fiss

LS buff, v hd, dns, blk, chky ip, ns with thin SH aa

LS wh, frm, chky, p pp vuggy por, v rare stn, p cut

LS buff, frm, foss, sl chky, fr moldic por, spty live brn stn, g cut & odor fr show free oil

LS buff, v hd, dns, p por, some fr moldic por, v spty lt stn, fr cut, nfo

LS buff, v hd, dns, p por, aa some Cht wh, ns tr p moldic por, ns

SH gy, gy gn, frm, blk, lmy with thin LS aa

LS buff, hd, blk, dns, tr p moldic por, v spty faint stn, p cut with thin SH aa

LS wh, buff, sl hd, oolitic, p-fr moldic por, spty live brn stn, g cut, p show free oil with LS buff, dns

SH gy, gy blk, frm, sl carb, blk

LS sl hd, sl chky, oolitic, fr moldic por, spty live brn stn, g cut, p show free oil

LS buff, v hd, dns, ns

SH aa

LS aa v dns, ns

GRAINSTONE wh, buff, sl hd, v oolitic, p-fr intg por, spty-even live brn stn, v g cut & odor, g show free oil with thin LS buff, v hd, dns

DOL buff, sl hd, fr oolitic moldic & xln por, spty-even brn live stn, v g cut & odor, g show free oil

DOL frm, oolitic, micsuc, fr-tr g xln por, spty-even brn live stn, v g cut & odor, g show free oil

DOL aa, hd, micxln, p intxln por, spty brn stn, g cut & odor, nsfo

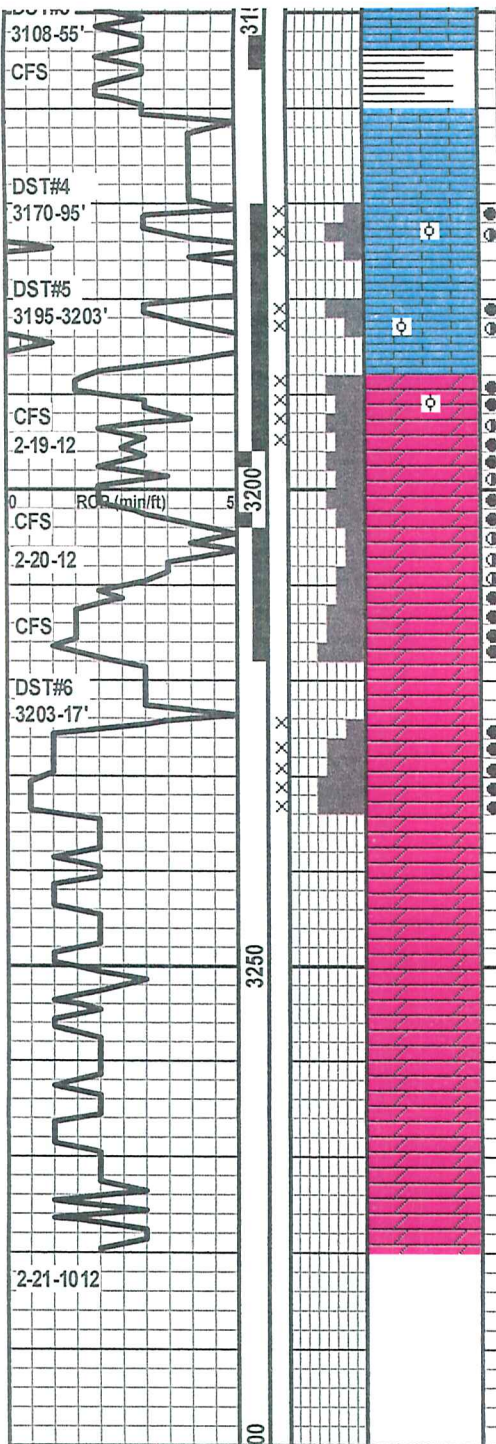
DOL buff, frm, micsuc, fr-g intxln por, even live brn stn, g cut, & odor, g show free oil

DOL wh, buff, v hd, dns, ns

DOL buff, frm, micsuc, fr-g xln por, even live brn stn, g cut & odor, g show free oil

A ZONE		IH 1437 IF 27-91
2959(-1169) S		(op bob in 8")
2959(-1169) L		ISI 243 FF 95-166
		(bob 3") FSI 249
		(4" bb) FH 1419
		REC: 465' TOTAL FLUID
B ZONE		400' GIP, 155' CG
2979(-1189) S		O(15%G,85%O),
2979(-1189) L		310' HOGCM
		(30%G,30%O & 40%M)
C ZONE		
2992(-1202)		
2993(-1203) L		
PIPE STRAP		MUD DATA 3000'
AGREED WITH		WT 9.0 VIS 58
TALLY, NO		FL 7.2 Ph 10.0
CORRECTION		CK 1 CL 3000
F ZONE		DST#2 3010-48'
3034(-1244) S		15-30-60-90"
3030(-1240) L		IH 1498 IF 45-82
		(bob 2") ISI 633
		FF 91-174 (bob
		1") FSI 627 (GTS
		6 min. into FSI)
G ZONE		FH 1457
3046(-1256) S		415' TOTAL
3040(-1250) L		FLUID
		165' CGO(90%O)
		& 250' HOGCM
		(20%G,30%O & 50%M)
H ZONE		DST#3 3108-55'
3096(-1306) S		15-30-60-90"
3096(-1306) L		IH 1571 IF 38-100
I ZONE		(bob 1")
3110(-1320) S		ISI 1062 FF 110-
3112(-1322) L		218 (op bob 1"
		GTS IN 43")
		FSI 1015
		REC: 600' TOTAL FLUID
J ZONE		480' CGO (90%O)
3132(-1342) S		& 120' HOGCM
3132(-1342) L		( 20%G,25%O & 55%M)
K ZONE		
3162(-1372) S		
3164(-1374) L		
ARBUCKLE		MUD DATA 3195'
3188(-1398) S		WT 9.1 VIS 54
3194(-1404) L		FL 8.8 Ph 9.0
		CK 1 CL 6000
DST#4 3170-95'		DST#4 3170-95'
		15-30-60-90"
		IH 1549 IF 14-17
		(wk surf blw)
		ISI 26 FF 16-18
		FSI 31 FH 1536
		REC: 1' OSM
DST#5 3195-3203'		DST#5 3195-3203
		15-30-60-90"
		IH 1608 IF 13-17
		(wk surf blw)
		ISI 914 FF 18-27
		FSI 878 FH 1565
		REC: 10' MW
		(CL 57,000)





SH aa

LS aa v dns,ns

GRAINSTONE wh, buff,sl hd,v oolitic,p-fr intg por,spty-even live brn stn,v g cut & odor,g show free oil with thin LS buff,v hd,dns

DOL buff,sl hd,fr oolitic moldic & xln por,spty-even brn live stn,v g cut & odor,g show free oil

DOL frm,oolitic,micsuc,fr-tr g xln por,spty-even brn live stn,v g cut & odor,g show free oil

DOL aa,hd,micxln,p intxln por,spty brn stn,g cut & odor,nsfo

DOL buff,frm,micsuc,fr-g intxln por,even live brn stn,g cut,& odor,g show free oil

DOL wh,buff,v hd,dns,ns

DOL buff,frm,micsuc,fr-g xln por,even live brn stn,g cut & odor,g show free oil

DOL wh,v hd,dns,v fnly xln,p por,ns some scat samples with stn aa, probably cavings

RTD 3280'

LTD 3282'

			MUD DATA 3195'
			WT 9.1 VIS 54
			FL 8.8 Ph 9.0
			CK 1 CL 6000
			K ZONE
			3162(-1372) S
			3164(-1374) L
			DST#4 3170-95'
			15-30-60-90"
			IH 1549 IF 14-17
			(wk surf blw)
			ISI 26 FF 16-18
			FSI 31 FH 1536
			REC: 1' OSM
			ARBUCKLE
			-3188(-1398) S
			3194(-1404) L
			TG, C1-C5
1	10	100	1000
			DST#5 3195-3203
			15-30-60-90"
			IH 1608 IF 13-17
			(wk surf blw)
			ISI 914 FF 18-27
			FSI 878 FH 1565
			REC: 10' MW
			(CL 57,000)
			DST#6 3203-17'
			15-30-60-90"
			IH 1613 IF 111-
			403 (bob 1") ISI
			1094 (surf blw)
			FF 422-862 (bob
			1") FSI 1102
			(surf blw)
			FH 1528
			REC: 2000'
			TOTAL FLUID
			1880' CO, 60' OS
			MW (90%w) &
			60' OSWM(60%
			M)

Conservation Division  
Finney State Office Building  
130 S. Market, Rm. 2078  
Wichita, KS 67202-3802



Phone: 316-337-6200  
Fax: 316-337-6211  
<http://kcc.ks.gov/>

Mark Sievers, Chairman  
Ward Loyd, Commissioner  
Thomas E. Wright, Commissioner

Sam Brownback, Governor

March 26, 2012

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

Re: ACO1  
API 15-167-23773-00-00  
Hummel 5  
SW/4 Sec.30-14S-14W  
Russell 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