

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1
October 2008
Form Must Be Typed

CONFIDENTIAL

WELL COMPLETION FORM

ORIGINAL

WELL HISTORY - DESCRIPTION OF WELL & LEASE

8/16/12

OPERATOR: License # 34318
Name: Berexco LLC
Address 1: P.O. Box 20380
Address 2: _____
City: Wichita State: KS Zip: 67208 + 1380
Contact Person: Evan Mayhew
Phone: (316) 265-3311
CONTRACTOR: License # 34317
Name: Beredco LLC
Wellsite Geologist: Jim Hickman
Purchaser: N/A

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

If Workover/Re-entry: Old Well Info as follows:
Operator: _____
Well Name: _____
Original Comp. Date: _____ Original Total Depth: _____
_____ Deepening _____ Re-perf. _____ Conv. to Enhr. _____ Conv. to SWD _____
_____ Plug Back: _____ Plug Back Total Depth _____
_____ Commingled _____ Docket No.: _____
_____ Dual Completion _____ Docket No.: _____
_____ Other (SWD or Enhr.?) _____ Docket No.: _____
21 April 2010 2 May 2010 3 May 2010
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 15-007-23538-00-00
Spot Description: _____
SE SW NW NE Sec. 7 Twp. 32 S. R. 14 East West
1228 Feet from North / South Line of Section
2104 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Barber
Lease Name: Stumph Smith Well #: 8
Field Name: Stumph
Producing Formation: N/A
Elevation: Ground: 1884 Kelly Bushing: 1897
Total Depth: 5060 Plug Back Total Depth: N/A
Amount of Surface Pipe Set and Cemented at: 313 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 PANJ 8-2010
(Data must be collected from the Reserve Pit)
Chloride content: 27,000 ppm Fluid volume: 1,000 bbls
Dewatering method used: evaporation
Location of fluid disposal if hauled offsite: _____
Operator Name: Various - 5 wells used, 3 operators. CDP-5(s) filed
Lease Name: _____ License No.: _____
Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West
County: _____ Docket No.: _____

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature: Andrew C. Smith
Title: Engineering Technician Date: 16 August, 2010
Subscribed and sworn to before me this 16th day of August
2010
Notary Public: Diana E. Bell
Date Commission Expires: Aug 10, 2011

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

KCC Office Use ONLY
 Letter of Confidentiality Received 8/16/10 - 8/16/11
 If Denied, Yes Date: _____
 Wireline Log Received
 Geologist Report Received
_____ UIC Distribution
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KCC WICHITA

KCC

AUG 16 2010

Operator Name: Berexco LLC Lease Name: Stumph Smith Well #: 8
 Sec: 7 Twp. 32 S. R. 14 East West County: Barber

CONFIDENTIAL

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

Drill Stem Tests Taken <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Submit Copy)</i> List All E. Logs Run: Dual Compensated Porosity, Borehole Compensated Sonic, Dual Induction & Micro Logs (e-mailed to: kcc-well-logs@kcc.ks.gov)	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input checked="" type="checkbox"/> Sample <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Name</th> <th>Top</th> <th>Datum</th> </tr> </thead> <tbody> <tr> <td>Heebner</td> <td>3953'</td> <td>(-2056')</td> </tr> <tr> <td>Lansing/KC</td> <td>4122'</td> <td>(-2225')</td> </tr> <tr> <td>Marmaton</td> <td>4570'</td> <td>(-2673')</td> </tr> <tr> <td>Kinderhook</td> <td>4747'</td> <td>(-2850')</td> </tr> <tr> <td>Viola</td> <td>4783'</td> <td>(-2886')</td> </tr> <tr> <td>Simpson</td> <td>4913'</td> <td>(-3016')</td> </tr> <tr> <td>Arbuckle</td> <td>5002'</td> <td>(-3105')</td> </tr> </tbody> </table>	Name	Top	Datum	Heebner	3953'	(-2056')	Lansing/KC	4122'	(-2225')	Marmaton	4570'	(-2673')	Kinderhook	4747'	(-2850')	Viola	4783'	(-2886')	Simpson	4913'	(-3016')	Arbuckle	5002'	(-3105')
Name	Top	Datum																							
Heebner	3953'	(-2056')																							
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Simpson	4913'	(-3016')																							
Arbuckle	5002'	(-3105')																							

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
Conductor	32"	22"		80'	Grout	8 yards	
Surface	17 1/2"	13 3/8"	48#	313'	Class A	325	3% cc, 1/4# flakes

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

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)		Depth
		RECEIVED AUG 17 2010 KCC WICHITA		

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

DISPOSITION OF GAS: <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 <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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ALLIED CEMENTING CO., LLC. 041492

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

KCC
AUG 16 2010

SERVICE POINT:
Medicine Lodge KS

DATE 05 02 10	SEC 07	TWP. 32s	RANGE 14w	CONFIDENTIAL CANNED-OUT	ON LOCATION	JOB START 5:00 PM	JOB FINISH 10:30 PM
LEASE <i>Stumph Smith</i>	WELL# 8	LOCATION <i>Medicine Lodge, KS, 1 1/2 W,</i>			COUNTY <i>Barber</i>	STATE <i>KS</i>	
OLD OR NEW (Circle one)			<i>@ S & E / into</i>				

CONTRACTOR *Beredco*

TYPE OF JOB *Rotary Plug to Abandon*

HOLE SIZE *7 7/8* T.D. *5060*

CASING SIZE *13 3/8* DEPTH *315*

TUBING SIZE _____ DEPTH _____

DRILL PIPE *4 1/2* DEPTH *5060*

TOOL _____ DEPTH _____

PRES. MAX *500* MINIMUM _____

MEAS. LINE _____ SHOE JOINT *N/A*

CEMENT LEFT IN CSG. *N/A*

PERFS. _____

DISPLACEMENT *Fresh H₂O & Drilling Mud*

EQUIPMENT _____

OWNER *Benexco*

CEMENT

AMOUNT ORDERED *265sx60:40:40:gel*

COMMON	<i>A 159</i>	<i>5x @ 15.45</i>	<i>2456.55</i>
POZMIX	<i>106</i>	<i>5x @ 8.00</i>	<i>848.00</i>
GEL	<i>9</i>	<i>5x @ 20.80</i>	<i>187.20</i>
CHLORIDE		@	
ASC		@	

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HANDLING	<i>265</i>	@ <i>2.40</i>	<i>636.00</i>
MILEAGE	<i>265 / .10 / 15</i>		<i>397.50</i>
TOTAL			<i>4525.25</i>

REMARKS:

*Drill Pipe at 5060; Circ. Hole for 25' Spring Pump
Spacer. Mix 50sx 60:40 cement, Street Disp.
w/ 3 Bbls Fresh & 65% Bbls Mud, Drill Pipe at
1810; Load Hole, Pump Spacer, Mix 50sx
60:40 cement, Disp w/ 3 Bbls Fresh & 5% Bbls Mud,
Drill Pipe at 330', Pump Spacer, Mix 90sx 60:
40 cement, Disp. w/ 2% Bbls water Plug Rat
Hole w/ 20sx Cement, Plug Mouse Hole w/ 15sx Cement*

SERVICE

DEPTH OF JOB	<i>5060</i>		
PUMP TRUCK CHARGE			<i>1017.00</i>
EXTRA FOOTAGE		@	
MILEAGE	<i>15</i>	@ <i>7.00</i>	<i>105.00</i>
MANIFOLD		@	

CHARGE TO: *Benexco.*

STREET _____

CITY _____ STATE _____ ZIP _____

TOTAL *1122.00*

PLUG & FLOAT EQUIPMENT

None

_____	@	_____
_____	@	_____
_____	@	_____
_____	@	_____
_____	@	_____

TOTAL _____

To Allied Cementing Co., LLC.
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

SALES TAX (If Any) _____

TOTAL CHARGES *[scribble]*

PRINTED NAME *Gilbert Davis Jr*

DISCOUNT *[scribble]* IF PAID IN 30 DAYS

SIGNATURE *[Signature]*

ALLIED CEMENTING CO., LLC. 041490

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

KCC
AUG 16 2010

SERVICE POINT:
Medicine Lodge KS

DATE 042210	SEC. 07	TWP. 32s	RANGE 14w	CONFIDENTIAL	ON LOCATION	JOB START 6:00 AM	JOB FINISH 7:00 AM
LEASE <i>Stumph Smith</i>	WELL # 8	LOCATION 17 mi. W on 160, S & E into			COUNTY Barber	STATE KS	
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR **Beredco**

TYPE OF JOB **Surface**

HOLE SIZE **17 1/2** T.D. **325**

CASING SIZE **13 3/8** DEPTH **316**

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX **300** MINIMUM **—**

MEAS. LINE SHOE JOINT **—**

CEMENT LEFT IN CSG. **20'**

PERFS.

DISPLACEMENT **44 1/2 Bbls Fresh H₂O**

OWNER **Berexco**

CEMENT

AMOUNT ORDERED **325sx "A" + 3% CL + 1/4" Floreal**

EQUIPMENT

PUMP TRUCK CEMENTER **D. Felio**

372 HELPER **D. Franklin**

BULK TRUCK

364 DRIVER **M. Thimesch**

BULK TRUCK

DRIVER

COMMON 325sx A	@ 13.50	4387.50
POZMIX	@	
GEL	@	
CHLORIDE 11 sx	@ 51.50	566.50
ASC	@	
Floreal 80^{mm}	@ 2.45	196.00
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HANDLING 100 sk	@ 2.25	225.00
MILEAGE		140.00
		TOTAL 5515.00

REMARKS:

Pipe on Btm, Break Circ, Pump Spacers, Mix 325sx "A" + 3% cc + 1/4" Floreal Cement, Start Disp. w/ Fresh H₂O, Washup truck, See increase in PSI, Slow Rate, Stop Pump at 44 1/2 Bbls total Disp., Shut in, Cement Did Circ!

SERVICE

DEPTH OF JOB 316		
PUMP TRUCK CHARGE		991.00
EXTRA FOOTAGE	@	
MILEAGE 14	@ 7.00	98.00
MANIFOLD	@	
	@	
	@	
		TOTAL 1089.00

CHARGE TO: **Berexco**

STREET _____

CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

_____	@	_____
_____	@	_____
_____	@	_____
_____	@	_____
_____	@	_____

TOTAL _____

To Allied Cementing Co., LLC.
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

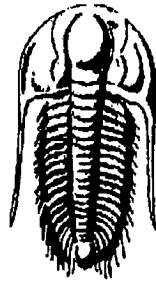
PRINTED NAME **Gilbert Davis Jr**

SIGNATURE *Gilbert Davis Jr*

SALES TAX (If Any) _____

TOTAL CHARGES ~~_____~~

DISCOUNT ~~_____~~ IF PAID IN 30 DAYS



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Berexco, LLC**

P.O. Box 20380
Wichita, KS 67208-1380

ATTN: Jim Hickman

7-32s-14w Barber KS

STUMPH SMITH #8

Start Date: 2010.04.27 @ 18:57:00

End Date: 2010.04.28 @ 03:34:40

Job Ticket #: 36368 DST #: 1

**KCC
AUG 16 2010
CONFIDENTIAL**

**RECEIVED
AUG 17 2010**

KCC WICHITA

Trilobite Testing, Inc
PO Box 1733 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Berexco, LLC

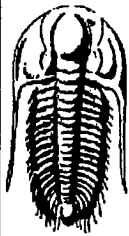
STUMPH SMITH #8

7-32s-14w Barber KS

DST # 1

MARMATON/MASSEY

2010.04.27



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Berexco, LLC
 P.O. Box 20380
 Wichita, KS 67208-1380
 ATTN: Jim Hickman

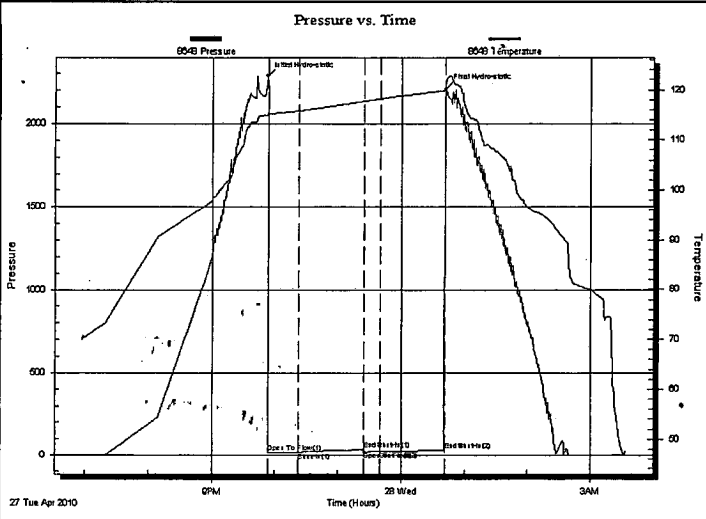
STUMPH SMITH #8
7-32s-14w Barber KS
 Job Ticket: 36368 DST#: 1
 Test Start: 2010.04.27 @ 18:57:00

GENERAL INFORMATION:

Formation: **MARMATON/MASSEY**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole
 Time Tool Opened: 21:53:30
 Tester: Jake Fahrenbruch
 Time Test Ended: 03:34:40
 Unit No: 43
 Interval: **4552.00 ft (KB) To 4595.00 ft (KB) (TVD)**
 Reference Elevations: 1896.00 ft (KB)
 Total Depth: 4595.00 ft (KB) (TVD)
 1884.00 ft (CF)
 Hole Diameter: 7.88 inches
 Hole Condition: Good
 KB to GR/CF: 12.00 ft

Serial #: 8648 **Inside**
 Press@RunDepth: 23.48 psig @ 4553.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2010.04.27 End Date: 2010.04.28 Last Calib.: 2010.04.28
 Start Time: 18:57:05 End Time: 03:34:39 Time On Btm: 2010.04.27 @ 21:51:50
 Time Off Btm: 2010.04.28 @ 00:41:59

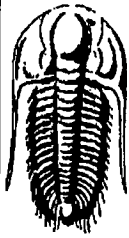
TEST COMMENT: IF: Weak blow, built to .5" in 10 min., died to surface blow by 30 min.
 IS: No blow back.
 FF: No blow.
 FSI: No blow back.



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2285.25	114.97	Initial Hydro-static
2	17.11	114.90	Open To Flow (1)
31	20.75	115.77	Shut-In(1)
93	36.50	117.70	End Shut-In(1)
93	22.13	117.71	Open To Flow (2)
109	23.48	118.19	Shut-In(2)
170	30.40	119.84	End Shut-In(2)
171	2213.08	121.57	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
10.00	Drilling Mud	0.05

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Berexco, LLC
P.O. Box 20380
Wichita, KS 67208-1380
ATTN: Jim Hickman

STUMPH SMITH #8
7-32s-14w Barber KS
Job Ticket: 36368 DST#: 1
Test Start: 2010.04.27 @ 18:57:00

Tool Information

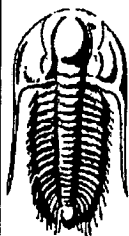
Drill Pipe:	Length: 3899.00 ft	Diameter: 3.80 inches	Volume: 54.69 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 650.00 ft	Diameter: 2.25 inches	Volume: 3.20 bbl	Weight to Pull Loose: 110000.0 lb
			<u>Total Volume: 57.89 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 96000.00 lb
Depth to Top Packer:	4552.00 ft			Final 96000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	43.00 ft			
Tool Length:	66.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4534.00	
Hydraulic tool	5.00			4539.00	
Safety Joint	3.00			4542.00	
Packer	5.00			4547.00	23.00 Bottom Of Top Packer
Packer	5.00			4552.00	
Stubb	1.00			4553.00	
Recorder	0.00	8648	Inside	4553.00	
Recorder	0.00	6799	Outside	4553.00	
Perforations	4.00			4557.00	
Blank Spacing	33.00			4590.00	
Bullnose	5.00			4595.00	43.00 Bottom Packers & Anchor

Total Tool Length: 66.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Berexco, LLC
P.O. Box 20380
Wichita, KS 67208-1380
ATTN: Jim Hickman

STUMPH SMITH #8
7-32s-14w Barber KS
Job Ticket: 36368 DST#: 1
Test Start: 2010.04.27 @ 18:57:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 52.00 sec/qt
Water Loss: 8.78 in³
Resistivity: 0.00 ohm.m
Salinity: 9000.00 ppm
Filter Cake: 0.07 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

Oil API: deg API
Water Salinity: ppm

Recovery Information

Recovery Table

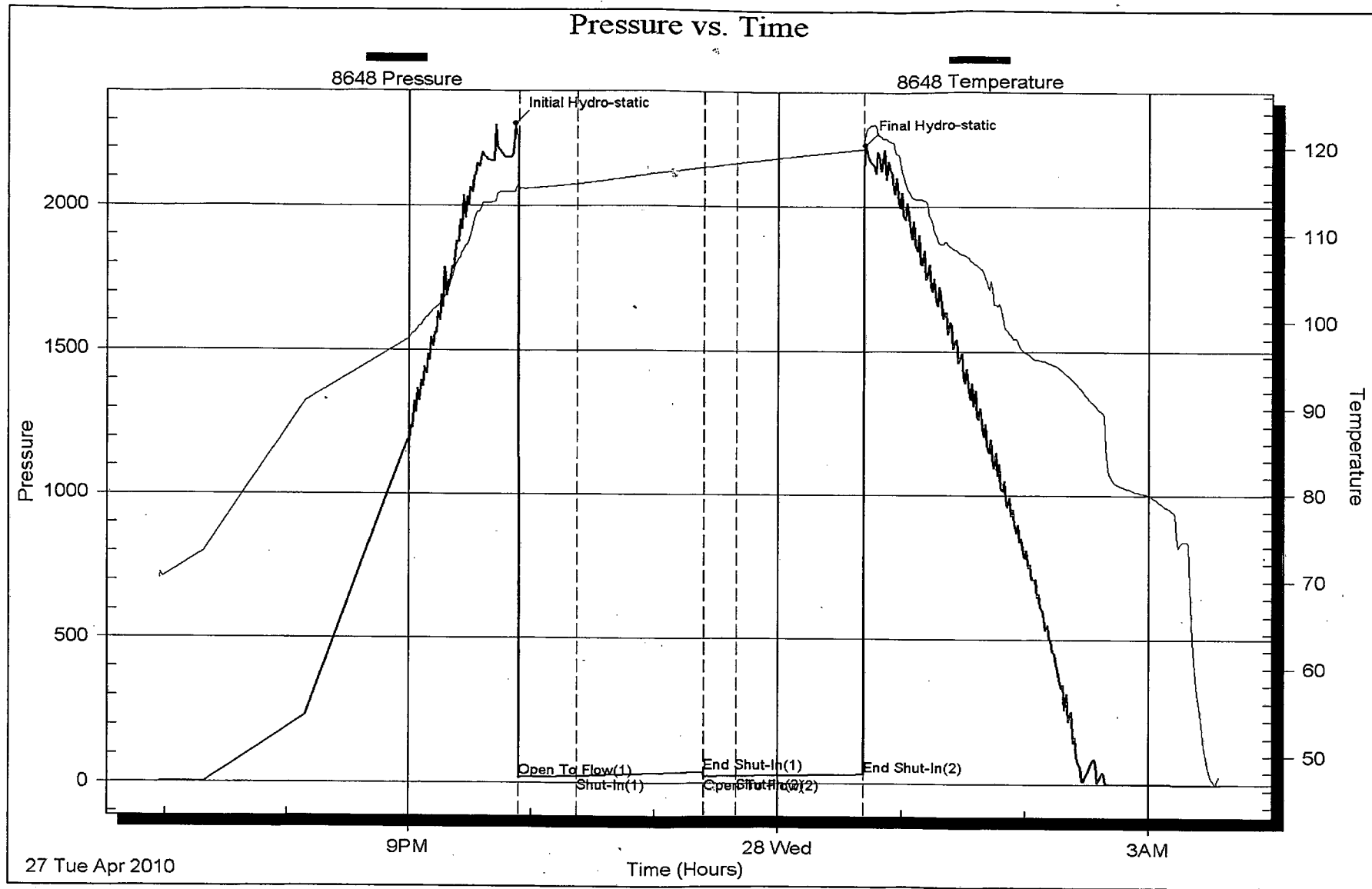
Length ft	Description	Volume bbl
10.00	Drilling Mud	0.049

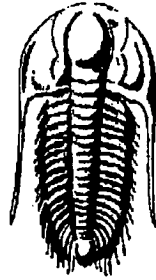
Total Length: 10.00 ft Total Volume: 0.049 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Berexco, LLC**

P.O. Box 20380
Wichita, KS 67208-1380

ATTN: Jim Hickman

7-32s-14w Barber KS

STUMPH SMITH #8

Start Date: 2010.04.29 @ 15:05:00

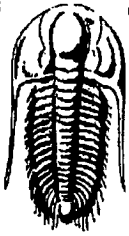
End Date: 2010.04.29 @ 22:52:09

Job Ticket #: 36269 DST #: 2

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Berexco, LLC
P.O. Box 20380
Wichita, KS 67208-1380
ATTN: Jim Hickman

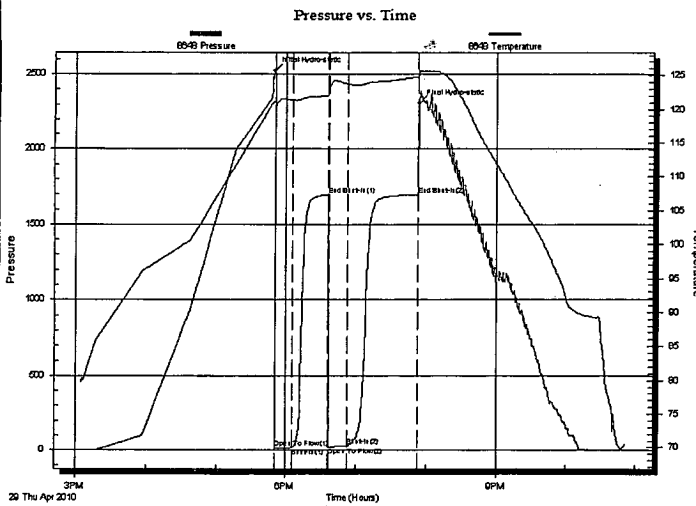
STUMPH SMITH #8
7-32s-14w Barber KS
Job Ticket: 36269 **DST#: 2**
Test Start: 2010.04.29 @ 15:05:00

GENERAL INFORMATION:

Formation: **SIMPSON**
Deviated: **No** Whipstock: ft (KB)
Time Tool Opened: 17:50:50
Time Test Ended: 22:52:09
Test Type: Conventional Bottom Hole
Tester: Jake Fahrenbruch
Unit No: 43
Interval: **4901.00 ft (KB) To 4915.00 ft (KB) (TVD)**
Reference Elevations: 1896.00 ft (KB)
Total Depth: 4915.00 ft (KB) (TVD) 1884.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 12.00 ft

Serial #: 8648 **Inside**
Press@RunDepth: 26.57 psig @ 4902.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2010.04.29 End Date: 2010.04.29 Last Calib.: 2010.04.29
Start Time: 15:05:05 End Time: 22:52:10 Time On Btm: 2010.04.29 @ 17:49:40
Time Off Btm: 2010.04.29 @ 19:53:20

TEST COMMENT: IF: Weak blow , built to .25" in bucket.
IS: No blow back.
FF: Weak surface blow.
FSI: No blow back.



PRESSURE SUMMARY

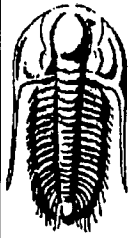
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2520.49	121.16	Initial Hydro-static
2	13.36	120.25	Open To Flow (1)
17	18.21	121.33	Shut-In(1)
47	1697.97	122.04	End Shut-In(1)
48	19.96	123.12	Open To Flow (2)
63	26.57	123.74	Shut-In(2)
123	1698.01	124.78	End Shut-In(2)
124	2306.61	125.28	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	SOSM 1%o 99%rm	0.07

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Berexco, LLC
P.O. Box 20380
Wichita, KS 67208-1380
ATTN: Jim Hickman

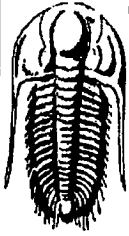
STUMPH SMITH #8
7-32s-14w Barber KS
Job Ticket: 36269 **DST#: 2**
Test Start: 2010.04.29 @ 15:05:00

Tool Information

Drill Pipe:	Length: 4237.00 ft	Diameter: 3.80 inches	Volume: 59.43 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 650.00 ft	Diameter: 2.25 inches	Volume: 3.20 bbl	Weight to Pull Loose: 110000.0 lb
			<u>Total Volume: 62.63 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	9.00 ft			String Weight: Initial 106000.0 lb
Depth to Top Packer:	4901.00 ft			Final 106000.0 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	14.00 ft			
Tool Length:	37.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4883.00	
Hydraulic tool	5.00			4888.00	
Safety Joint	3.00			4891.00	
Packer	5.00			4896.00	23.00 Bottom Of Top Packer
Packer	5.00			4901.00	
Stubb	1.00			4902.00	
Recorder	0.00	8648	Inside	4902.00	
Recorder	0.00	6799	Outside	4902.00	
Perforations	8.00			4910.00	
Bullnose	5.00			4915.00	14.00 Bottom Packers & Anchor
Total Tool Length:	37.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Berexco, LLC
P.O. Box 20380
Wichita, KS 67208-1380
ATTN: Jim Hickman

STUMPH SMITH #8
7-32s-14w Barber KS
Job Ticket: 36269 DST#: 2
Test Start: 2010.04.29 @ 15:05:00

Mud and Cushion Information

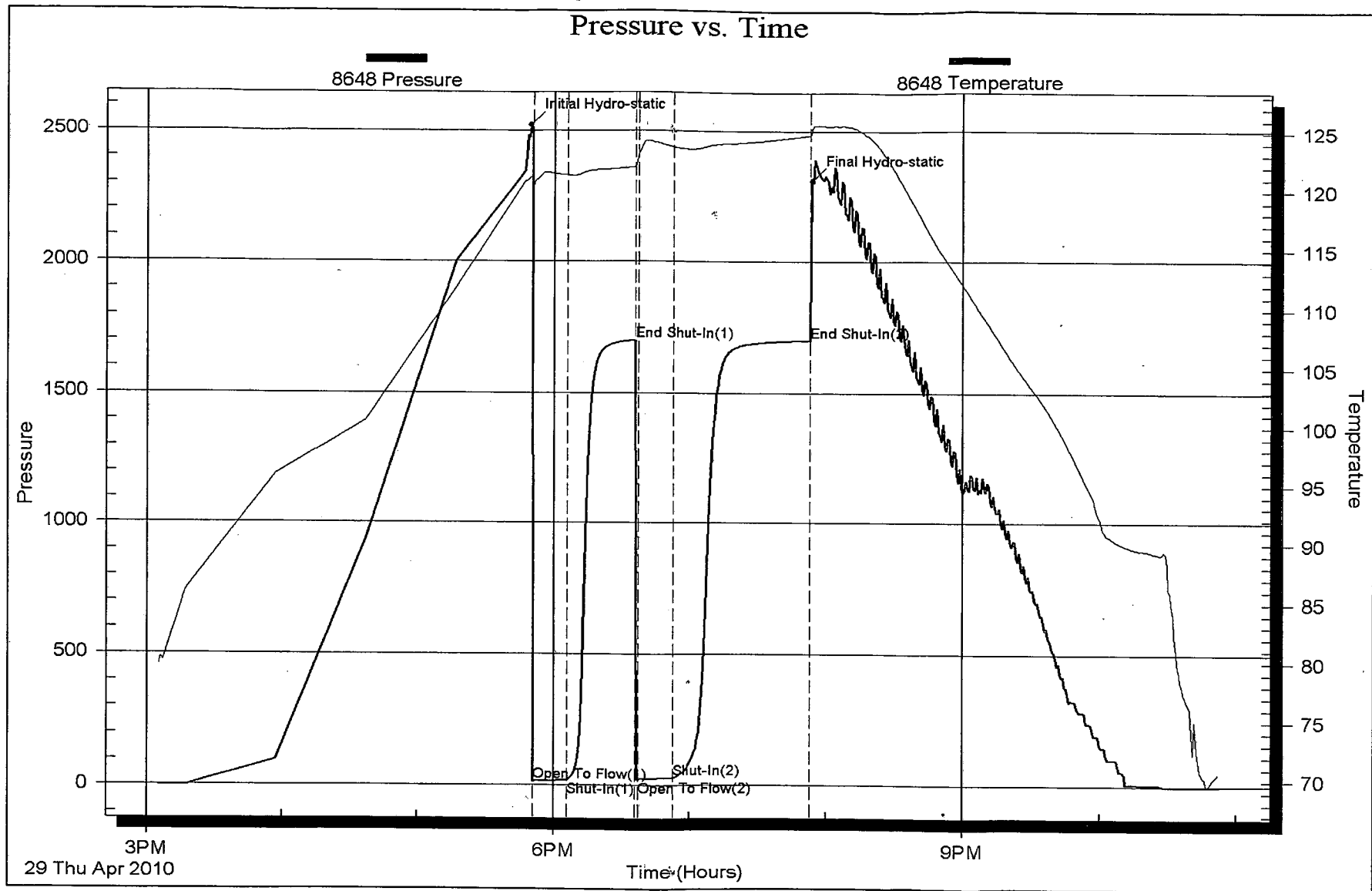
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 50.00 sec/qt	Cushion Volume: bbl		
Water Loss: 10.58 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 8000.00 ppm			
Filter Cake: 0.07 inches			

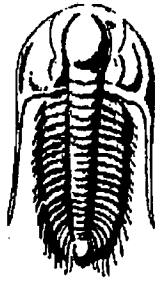
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	SOSM 1%o 99% _m	0.074

Total Length: 15.00 ft Total Volume: 0.074 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Berexco, LLC**

P.O. Box 20380
Wichita, KS 67208-1380

ATTN: Jim Hickman

7-32s-14w Barber KS

STUMPH SMITH #8

Start Date: 2010.04.30 @ 07:55:00

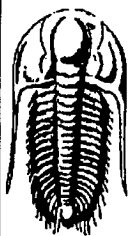
End Date: 2010.04.30 @ 17:44:40

Job Ticket #: 36270 DST #: 3

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Berexco, LLC
P.O. Box 20380
Wichita, KS 67208-1380
ATTN: Jim Hickman

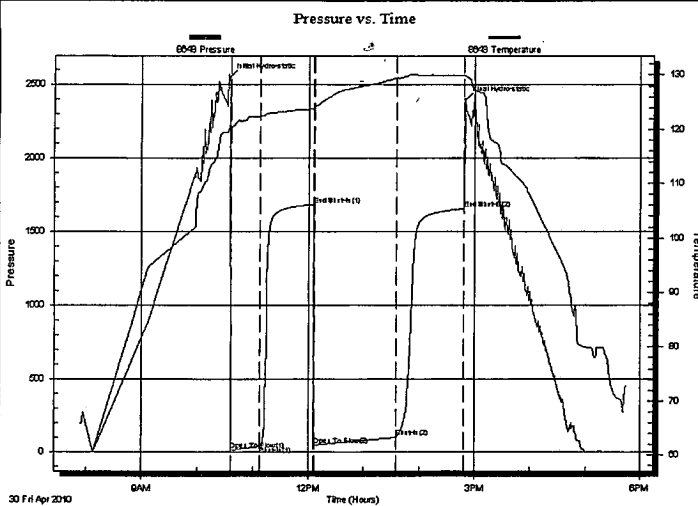
STUMPH SMITH #8
7-32s-14w Barber KS
Job Ticket: 36270 DST#: 3
Test Start: 2010.04.30 @ 07:55:00

GENERAL INFORMATION:

Formation: **SIMPSON**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 10:36:10
Time Test Ended: 17:44:40
Interval: **4902.00 ft (KB) To 4917.00 ft (KB) (TVD)**
Total Depth: 4917.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole
Tester: Jake Fahrenbruch
Unit No: 43
Reference Elevations: 1896.00 ft (KB)
1884.00 ft (CF)
KB to GR/CF: 12.00 ft

Serial #: 8648 **Inside**
Press@RunDepth: 101.69 psig @ 4903.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2010.04.30 End Date: 2010.04.30 Last Calib.: 2010.04.30
Start Time: 07:55:05 End Time: 17:44:39 Time On Btm: 2010.04.30 @ 10:34:10
Time Off Btm: 2010.04.30 @ 14:49:20

TEST COMMENT: IF: Weak blow, built to 2.25" in bucket.
IS: Bled off, no blow back.
FF: Weak blow, built to 3" in bucket.
FSI: Bled off, no blow back.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2542.71	120.46	Initial Hydro-static
3	14.88	119.95	Open To Flow (1)
34	41.29	122.50	Shut-In(1)
92	1682.16	123.72	End Shut-In(1)
93	47.30	123.67	Open To Flow (2)
181	101.69	129.43	Shut-In(2)
254	1652.79	129.84	End Shut-In(2)
256	2394.73	129.92	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
95.00	VSOS Wtry Mud 50%w 50%v	0.47
95.00	VSOS Muddy Water 40%v 60%w	0.47

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Berexco, LLC
P.O. Box 20380
Wichita, KS 67208-1380
ATTN: Jim Hickman

STUMPH SMITH #8
7-32s-14w Barber KS
Job Ticket: 36270 **DST#: 3**
Test Start: 2010.04.30 @ 07:55:00

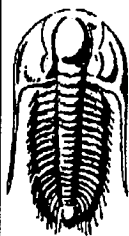
Tool Information

Drill Pipe:	Length: 4237.00 ft	Diameter: 3.80 inches	Volume: 59.43 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 650.00 ft	Diameter: 2.25 inches	Volume: 3.20 bbl	Weight to Pull Loose: 118000.0 lb
			<u>Total Volume: 62.63 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	8.00 ft			String Weight: Initial 98000.00 lb
Depth to Top Packer:	4902.00 ft			Final 98000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	15.00 ft			
Tool Length:	38.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description Length (ft) Serial No. Position Depth (ft) Accum. Lengths

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4884.00	
Hydraulic tool	5.00			4889.00	
Safety Joint	3.00			4892.00	
Packer	5.00			4897.00	23.00 Bottom Of Top Packer
Packer	5.00			4902.00	
Stubb	1.00			4903.00	
Recorder	0.00	8648	Inside	4903.00	
Recorder	0.00	6799	Outside	4903.00	
Perforations	9.00			4912.00	
Bullnose	5.00			4917.00	15.00 Bottom Packers & Anchor
Total Tool Length:	38.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Berexco, LLC

STUMPH SMITH #8

P.O. Box 20380
Wichita, KS 67208-1380

7-32s-14w Barber KS

Job Ticket: 36270

DST#: 3

ATTN: Jim Hickman

Test Start: 2010.04.30 @ 07:55:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 50.00 sec/qt
Water Loss: 10.57 in³
Resistivity: 0.00 ohm.m
Salinity: 8000.00 ppm
Filter Cake: 0.07 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

Oil API: deg API
Water Salinity: 44000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
95.00	VSOS Wtry Mud 50%w 50%m	0.467
95.00	VSOS Muddy Water 40%m 60%w	0.467

Total Length: 190.00 ft Total Volume: 0.934 bbl

Num Fluid Samples: 0

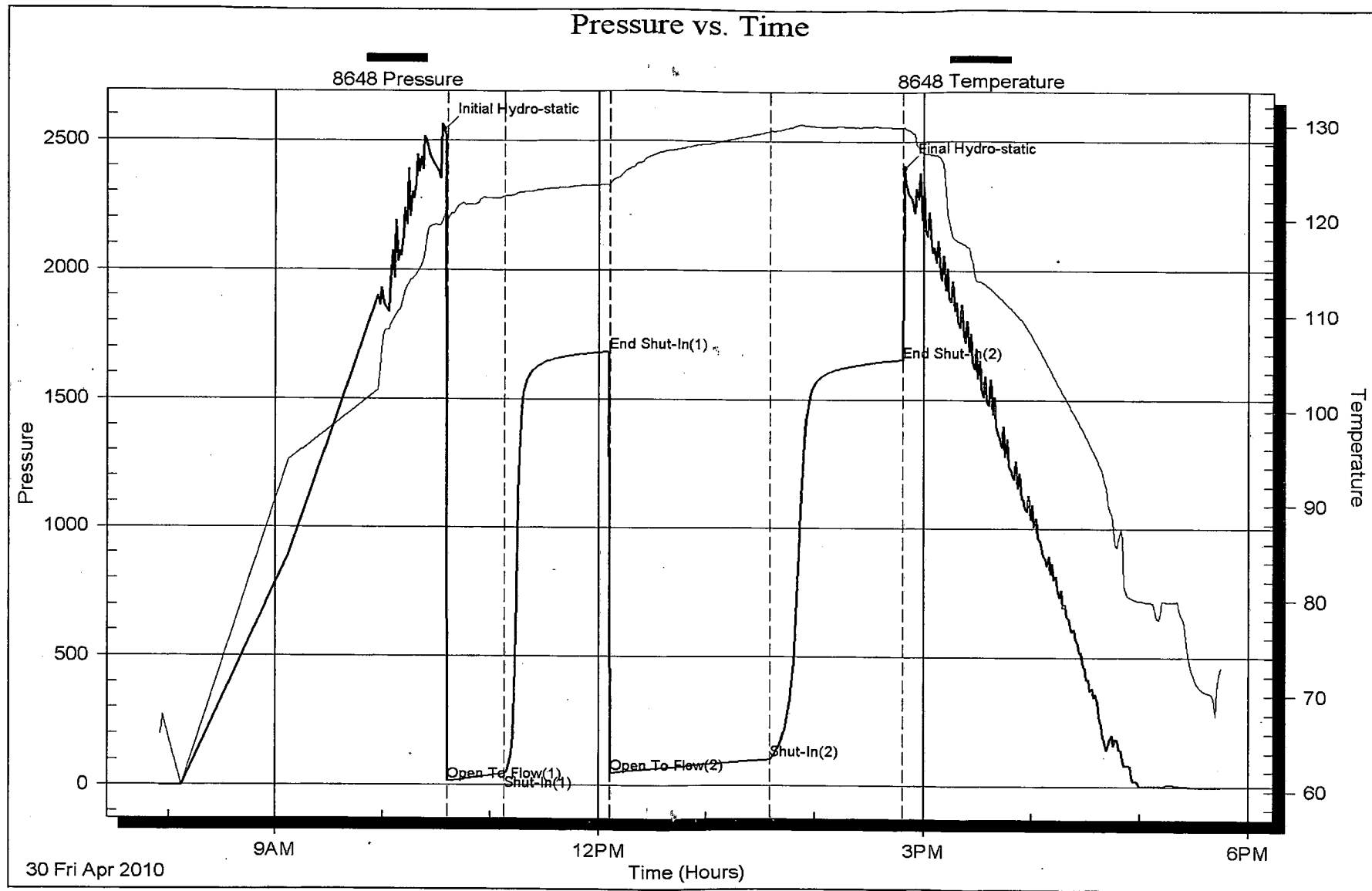
Num Gas Bombs: 0

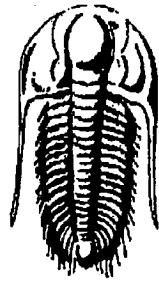
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW .16 @ 73F = 44000 ppm chlorides





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Berexco, LLC**

P.O. Box 20380
Wichita, KS 67208-1380

ATTN: Jim Hickman

7-32s-14w Barber KS

STUMPH SMITH #8

Start Date: 2010.05.01 @ 03:10:00

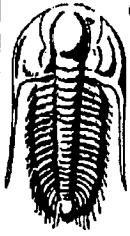
End Date: 2010.05.01 @ 13:30:19

Job Ticket #: 36271 DST #: 4

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Berexco, LLC
P.O. Box 20380
Wichita, KS 67208-1380
ATTN: Jim Hickman

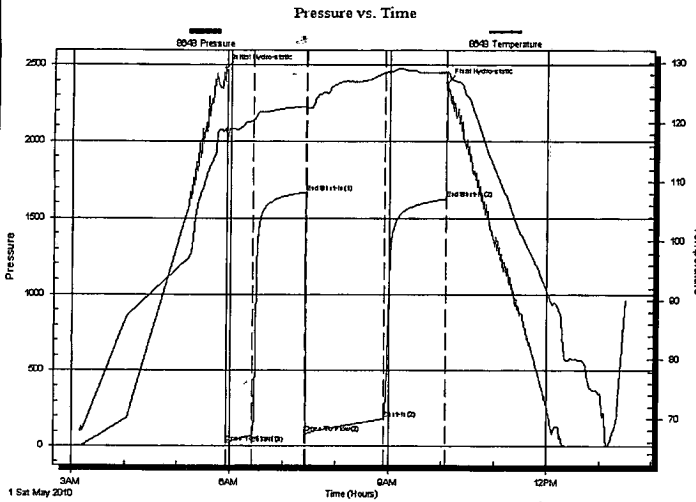
STUMPH SMITH #8
7-32s-14w Barber KS
Job Ticket: 36271 **DST#: 4**
Test Start: 2010.05.01 @ 03:10:00

GENERAL INFORMATION:

Formation: **SIMPSON**
Deviated: No Whipstock: ft (KB)
Test Type: Conventional Bottom Hole
Time Tool Opened: 05:55:20
Tester: Jake Fahrenbruch
Time Test Ended: 13:30:19
Unit No: 43
Interval: **4901.00 ft (KB) To 4919.00 ft (KB) (TVD)**
Reference Elevations: 1896.00 ft (KB)
Total Depth: 4919.00 ft (KB) (TVD)
1884.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Good
KB to GRVCF: 12.00 ft

Serial #: 8648 Inside
Press@RunDepth: 181.58 psig @ 4902.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2010.05.01 End Date: 2010.05.01 Last Calib.: 2010.05.01
Start Time: 03:10:05 End Time: 13:30:20 Time On Btm: 2010.05.01 @ 05:53:30
Time Off Btm: 2010.05.01 @ 10:04:39

TEST COMMENT: IF: Weak blow, built to 3.25" in bucket.
IS: Bled off, no blow back.
FF: Weak blow, built to 4.25" in bucket.
FSI: Bled off, no blow back.



PRESSURE SUMMARY

Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	2475.37	118.91	Initial Hydro-static
2	23.92	117.13	Open To Flow (1)
32	73.05	120.36	Shut-In(1)
92	1667.90	122.66	End Shut-In(1)
93	86.89	122.35	Open To Flow (2)
182	181.58	128.38	Shut-In(2)
251	1624.40	128.43	End Shut-In(2)
252	2383.26	128.52	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	Drig Mud w/tr oil show 100% m	0.30
90.00	WCM w/tr oil show 20% w 80% m	0.44
90.00	MV w/tr oil show 50% m 50% w	0.44
90.00	MCW w/tr oil show 35% m 65% w	0.44
0.00	45000 ppm chlorides	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Berexco, LLC
P.O. Box 20380
Wichita, KS 67208-1380
ATTN: Jim Hickman

STUMPH SMITH #8
7-32s-14w Barber KS
Job Ticket: 36271 **DST#: 4**
Test Start: 2010.05.01 @ 03:10:00

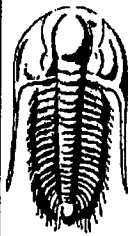
Tool Information

Drill Pipe:	Length: 4237.00 ft	Diameter: 3.80 inches	Volume: 59.43 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 650.00 ft	Diameter: 2.25 inches	Volume: 3.20 bbl	Weight to Pull Loose: 120000.0 lb
			<u>Total Volume: 62.63 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	9.00 ft			String Weight: Initial 105000.0 lb
Depth to Top Packer:	4901.00 ft			Final 105000.0 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	18.00 ft			
Tool Length:	41.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description Length (ft) Serial No. Position Depth (ft) Accum. Lengths

Shut In Tool	5.00			4883.00	
Hydraulic tool	5.00			4888.00	
Safety Joint	3.00			4891.00	
Packer	5.00			4896.00	23.00 Bottom Of Top Packer
Packer	5.00			4901.00	
Stubb	1.00			4902.00	
Recorder	0.00	8648	Inside	4902.00	
Recorder	0.00	6799	Outside	4902.00	
Perforations	12.00			4914.00	
Bullnose	5.00			4919.00	18.00 Bottom Packers & Anchor
Total Tool Length:	41.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Berexco, LLC
P.O. Box 20380
Wichita, KS 67208-1380
ATTN: Jim Hickman

STUMPH SMITH #8
7-32s-14w Barber KS
Job Ticket: 36271 **DST#: 4**
Test Start: 2010.05.01 @ 03:10:00

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: 45000 ppm	
Viscosity: 50.00 sec/qt	Cushion Volume: bbl		
Water Loss: 10.58 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 8000.00 ppm			
Filter Cake: 0.07 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	Drig Mud w/tr oil show 100%m	0.295
90.00	WCM w/tr oil show 20%w 80%m	0.443
90.00	MV w/tr oil show 50%m 50%w	0.443
90.00	MCV w/tr oil show 35%m 65%w	0.443
0.00	45000 ppm chlorides	0.000

Total Length: 330.00 ft Total Volume: 1.624 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

