



KANSAS CORPORATION COMMISSION 1095420
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 # 32016
Name: Wells, Rodger D. dba Pioneer Resources
Address 1: 80 Windmill Dr.
Address 2: _____
City: PHILLIPSBURG State: KS Zip: 67661 + _____
Contact Person: RODGER D WELLS
Phone: (785) 543-5556
CONTRACTOR: License # 31548
Name: Discovery Drilling
Wellsite Geologist: CLIFF OTTAWAY
Purchaser: COFFEYVILLE RESOURCES

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>04/26/2012</u>	<u>04/30/2012</u>	<u>05/01/2012</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-147-20672-00-00
Spot Description: _____
W2 SE NE NE Sec. 3 Twp. 5 S. R. 18 East West
990 Feet from North / South Line of Section
440 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Phillips
Lease Name: FOUNDATION Well #: 1
Field Name: LAZY OK SOUTH
Producing Formation: LKC
Elevation: Ground: 1905 Kelly Bushing: 1913
Total Depth: 3400 Plug Back Total Depth: _____
Amount of Surface Pipe Set and Cemented at: 220 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set: 1355 Feet
If Alternate II completion, cement circulated from: 1355
feet depth to: 0 w/ 230 sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: 14000 ppm Fluid volume: 320 bbls
Dewatering method used: Hauled to Disposal
Location of fluid disposal if hauled offsite:
Operator Name: PIONEER RESOURCES
Lease Name: HEFFRON #1 SWD License #: 32016
Quarter NE Sec. 23 Twp. 2 S. R. 18 East West
County: PHILLIPS Permit #: E-08195

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: Deanna Gamsor Date: 11/14/2012



1095420

Operator Name: Wells, Rodger D. dba Pioneer Resources Lease Name: FOUNDATION Well #: 1
 Sec. 3 Twp. 5 S. R. 18 East West County: Phillips

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: Attached	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:70%;">Name</td> <td style="width:15%;">Top</td> <td style="width:15%;">Datum</td> </tr> <tr> <td>ANHY</td> <td>1342</td> <td>+571</td> </tr> <tr> <td>TOPEKA</td> <td>2850</td> <td>-937</td> </tr> <tr> <td>HEEBNER</td> <td>3050</td> <td>-1137</td> </tr> <tr> <td>LANSING-KC</td> <td>3093</td> <td>-1180</td> </tr> <tr> <td>LTD</td> <td>3400</td> <td>-1487</td> </tr> </table>	Name	Top	Datum	ANHY	1342	+571	TOPEKA	2850	-937	HEEBNER	3050	-1137	LANSING-KC	3093	-1180	LTD	3400	-1487
Name	Top	Datum																	
ANHY	1342	+571																	
TOPEKA	2850	-937																	
HEEBNER	3050	-1137																	
LANSING-KC	3093	-1180																	
LTD	3400	-1487																	

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 PIPE	12.25	8.625	23	220.10	COMMON	150	2% GEL & 3% CC
PRODUCTION STRING	7.8750	4.5	11.6	3399	EA 2	175	

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input checked="" type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone	40-1355	EA/2	175	2% GELL & 3% CC
-	-	-	-	-

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	3314-18	250 GAL ACID	
4	3188-90	250 GAL ACID	
4	3190-94	250 GAL ACID	

TUBING RECORD: Size: <u>2 3/8</u> Set At: <u>3365</u> Packer At: _____		Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Date of First, Resumed Production, SWD or ENHR. <u>06/05/2012</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>20</u>	Water Bbls. <u>38</u>
Gas-Oil Ratio		Gravity	

DISPOSITION OF GAS: <input checked="" 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> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: <u>LKC</u>
--	--	------------------------------------

Form	ACO1 - Well Completion
Operator	Wells, Rodger D. dba Pioneer Resources
Well Name	FOUNDATION 1
Doc ID	1095420

All Electric Logs Run

CDL
CNL
DIL
SONIC
MEL

QUALITY OILWELL CEMENTING, INC.

Phone 785-483-2025
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 339

Date	Sec.	Twp.	Range	County	State	On Location	Finish
4-26-12	3	5	18	Phillips	KS		2:45 p.m.
Lease <u>Foundation</u>	Well No. <u>1</u>		Location <u>Clare Ln 2 1/2 S W 1/4</u>				
Contractor <u>D. Sweeney Drilling & L.</u>				Owner			
Type Job <u>Surface</u>				To Quality Oilwell Cementing, Inc.			
Hole Size <u>12 1/4</u>				You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.			
Csg. <u>8 5/8</u>		Depth <u>221</u>		Charge To <u>Pioneer Resources</u>			
Tbg. Size		Depth		Street			
Tool		Depth		City		State	
Cement Left in Csg. <u>15</u>		Shoe Joint 15		The above was done to satisfaction and supervision of owner agent or contractor.			
Meas Line		Displace <u>133 C</u>		Cement Amount Ordered <u>150.00 3 1/2 29/6/1</u>			
EQUIPMENT							
Pumptrk <u>5</u>	No.	Cementer			Common <u>150</u>		
Bulktrk	No.	Helper			Poz. Mix		
Bulktrk <u>14</u>	No.	Driver <u>Brett</u>			Gel. <u>3</u>		
		Driver <u>Brian</u>			Calcium <u>5</u>		
JOB SERVICES & REMARKS				Hulls			
Remarks:				Salt			
Rat Hole				Flowseal			
Mouse Hole				Kol-Seal			
Centralizers				Mud CLR 48			
Baskets				CFL-117 or CD110 CAF 38			
D/V or Port Collar				Sand			
<u>8 5/8 on bottom Est. Circulation mix</u>				Handling <u>133</u>			
<u>150 sack Displace.</u>				Mileage			
<u>Cement Circulated</u>				FLOAT EQUIPMENT			
				Guide Shoe			
				Centralizer			
				Baskets			
				AFU Inserts			
				Float Shoe			
				Latch Down			
				Pumptrk Charge <u>Surface</u>			
				Mileage <u>56</u>			
				Tax			
				Discount			
				Total Charge			
X Signature <u>[Signature]</u>							

JOB LOG

SWIFT Services, Inc.

DATE 25-1-12 PAGE NO. 7

CUSTOMER Pioneer Resources WELL NO. 1 LEASE FOUNDATION JOB TYPE 2-STAGE TICKET NO. 21357

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL/GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1000							ON LOCATION CMT: BURN 175 SWS EA 2 TOP 235 SWS SMD
								RD 3400 SET PAPER 3399, ST 16.98 INCH 3382 CSG: 4 1/2 11.6 7/8, D.V. ON TOP * 51, 1355 FT CMT 2, 3, 4, 5, 8, 9, 10, 12, 50 BURN 13.51 RECIPRO SEPARATORS 2, 3, 4, 5, 7, 8, 9, 10 4 PER JUMP
	1100							START CSG FLUTTER
	1215							THE BOTTOM -- DRIP Drip Burn
	1225							BURN CIRC & RECIPRO PUMP MUD 0.37
	1340	5.0	12		✓		200	120 bbls MUD FLUSH
		}	20		✓		}	20 bbls HCL FLUSH
			43		✓			175 SWS EA 2
								DROPPED PLUG, WITH OUT PL
	1355	5.0	0		-		200	START DISP W/ H2O
		}	30		-		300	" " W/ RIG MUD
			50		-		700	" " W/ H2O
	1405		5.4			-		1400
	1410							PREP P. - DRY, DRY D.V. OPENING DRY
	1420				✓		1000	OPEN D.V.
								CIRC W/ RIG 3 HAS
	1715		7.5				200	PUMP RA 30, MUD 0
	1720	6.0	20		-		200	20 bbls HCL FLUSH
		}	96.0		-		200	185 SWS SMD CMT
			0		-		200	DROP D.V. CLOSE PLUG
		5.0	0		-		200	START DISP
		}	10		-		400	CIRC CMT! 200 SWS!
	1745		21.0		-		1300	LAND & CLOSE PLUG PUMP - DRY
	1830							JOB COMPLETE THANKYOU! DAVE, JOSH, ROB

CLIFF OTTAWAY

P.O. BOX 494 * HAYS, KS 67801 * 785-628-6900

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

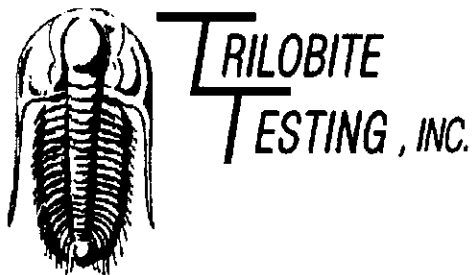
COMPANY <u>PIONEER RESOURCES</u> LEASE <u>FOUNDATION #1</u> FIELD _____ LOCATION <u>W/2 SE NE NE</u> SEC <u>3</u> TWSP <u>5s</u> RGE <u>18W</u> COUNTY <u>PHILLIPS</u> STATE <u>KANSAS</u>	ELEVATIONS KB <u>1913'</u> DF <u>1911'</u> GL <u>1905'</u> Measurements Are All From <u>K.B.</u>
CONTRACTOR <u>DISCOVERY DRILLING</u> SPUD <u>4-26-12</u> COMP <u>5-1-12</u> RTD <u>3400'</u> LTD <u>3400'</u> MUD UP <u>2800'</u> TYPE MUD <u>CHEMICAL</u>	CASING SURFACE <u>8 7/8" 232 lb. SC</u> PRODUCTION <u>4 1/2" 233 lb. SC</u> ELECTRICAL SURVEYS <u>CDL ONLY, DIL</u> <u>SONIC / MEL</u>

FORMATION TOPS AND STRUCTURAL POSITION

FORMATION	SAMPLE TOP	ELECTRIC LOG TOP	SUB-SEA DATUM	STRUCTURAL POSITION		
				A	D	C
<u>LANSDOWNE</u>	<u>1343</u>	<u>1342</u>	<u>+571</u>	<u>+570</u>	<u>+559</u>	
<u>TOPEKA</u>	<u>2850</u>	<u>2850</u>	<u>-937</u>	<u>935</u>	<u>937</u>	
<u>HEERMAN</u>	<u>3051</u>	<u>3050</u>	<u>-1137</u>	<u>1138</u>	<u>1138</u>	
<u>TORONTO</u>	<u>3078</u>	<u>3080</u>	<u>-1167</u>	<u>1162</u>		
<u>KANSAS-KC</u>	<u>3093</u>	<u>3093</u>	<u>-1180</u>	<u>1179</u>	<u>1181</u>	
<u>BASE-K.C.</u>	<u>3321</u>	<u>3320</u>	<u>-1407</u>	<u>1405</u>	<u>1405</u>	
<u>R.T.D.</u>		<u>2400</u>	<u>-1487</u>	<u>1480</u>	<u>1498</u>	
<u>L.T.D.</u>		<u>3400</u>	<u>-1487</u>			

REFERENCE WELLS FOR STRUCTURE

- A. OZARK ENTERPRISES ARMSTRONG #2 C.N.2 NE 3-8
- B. OZARK ENTERPRISES ARMSTRONG #1 NW-NE NW
- C. 3-5-18



DRILL STEM TEST REPORT

Prepared For: **Pioneer Resources**

80 Windmill Dr
Phillipsburg, KS 67661

ATTN: Cliff Ottaway

Foundation #1

3-5s-18w Phillips,KS

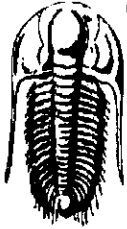
Start Date: 2012.04.29 @ 16:50:00

End Date: 2012.04.29 @ 22:53:00

Job Ticket #: 46152 DST #: 1

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2012.05.07 @ 10:47:55



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Pioneer Resources
80 Windmill Dr
Phillipsburg, KS 67661
ATTN: Cliff Ottaway

3-5s-18w Phillips,KS

Foundation #1

Job Ticket: 46152

DST#: 1

Test Start: 2012.04.29 @ 16:50:00

GENERAL INFORMATION:

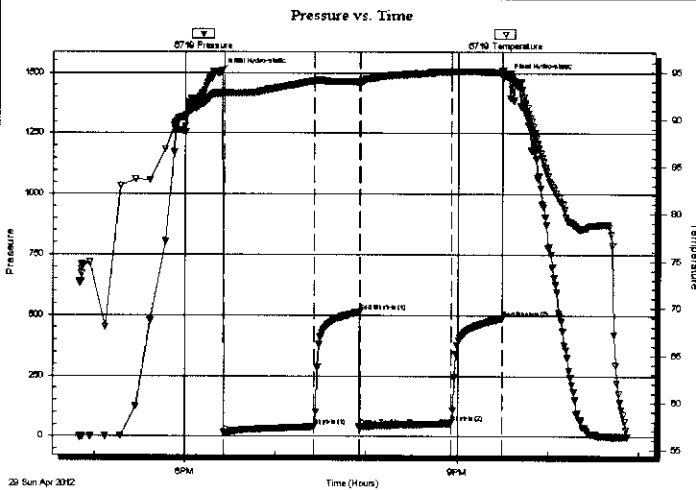
Formation: **LKC "F"**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 18:25:30
 Tester: James Winder
 Time Test Ended: 22:53:00
 Unit No: 57
 Interval: **3160.00 ft (KB) To 3185.00 ft (KB) (TVD)**
 Reference Elevations: 1910.00 ft (KB)
 Total Depth: 3185.00 ft (KB) (TVD) 1902.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 8.00 ft

Serial #: 6719

Inside

Press@RunDepth: 55.09 psig @ 3161.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.04.29 End Date: 2012.04.29 Last Calib.: 2012.04.29
 Start Time: 16:50:05 End Time: 22:52:59 Time On Btm: 2012.04.29 @ 18:23:00
 Time Off Btm: 2012.04.29 @ 21:32:30

TEST COMMENT: 60 - IF: Blow built to 5 1/2"
 30 - IS: Bled off, No blow back
 60 - FF: Blow started at 5 min., built to 3"
 30 - FS: Bled off, No blow back



PRESSURE SUMMARY

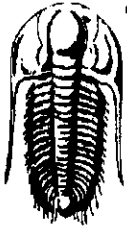
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1501.46	92.74	Initial Hydro-static
3	14.98	92.77	Open To Flow (1)
63	39.62	94.10	Shut-In(1)
92	513.28	94.01	End Shut-In(1)
93	40.23	93.87	Open To Flow (2)
153	55.09	95.08	Shut-In(2)
186	486.49	95.03	End Shut-In(2)
190	1483.87	94.88	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
92.00	MCW w /trace oil 70%w , 30% m	1.01
1.00	Free Oil	0.01

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Pioneer Resources
80 Windmill Dr
Phillipsburg, KS 67661
ATTN: Cliff Ottaway

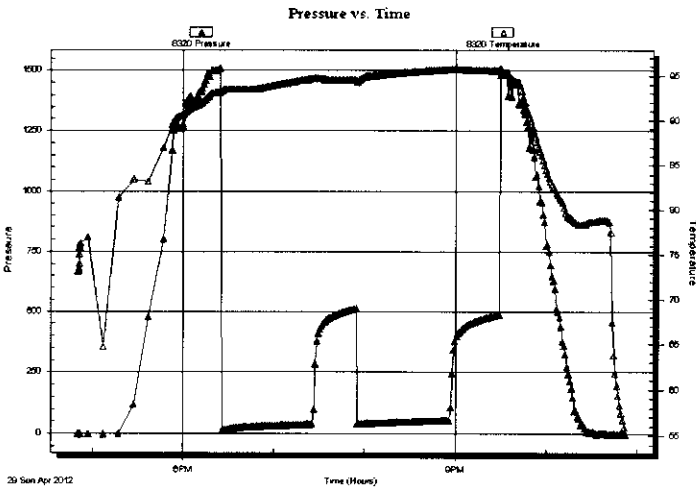
3-5s-18w Phillips,KS
Foundation #1
Job Ticket: 46152 DST#: 1
Test Start: 2012.04.29 @ 16:50:00

GENERAL INFORMATION:

Formation: **LKC "F"**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 18:25:30 Tester: James Winder
 Time Test Ended: 22:53:00 Unit No: 57
 Interval: **3160.00 ft (KB) To 3185.00 ft (KB) (TVD)** Reference Elevations: 1910.00 ft (KB)
 Total Depth: 3185.00 ft (KB) (TVD) 1902.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 8.00 ft

Serial #: **8320** Outside
 Press@RunDepth: psig @ 3161.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.04.29 End Date: 2012.04.29 Last Calib.: 2012.04.29
 Start Time: 16:50:05 End Time: 22:52:59 Time On Btm:
 Time Off Btm:

TEST COMMENT: 60 - IF: Blow built to 5 1/2"
 30 - ISI: Bled off, No blow back
 60 - FF: Blow started at 5 min., built to 3"
 30 - FSI: Bled off, No blow back



PRESSURE SUMMARY

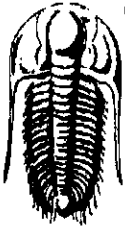
Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
92.00	MCW w/trace oil 70%w , 30%w	1.01
1.00	Free Oil	0.01

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Pioneer Resources
80 Windmill Dr
Phillipsburg, KS 67661
ATTN: Cliff Ottaway

3-5s-18w Phillips,KS
Foundation #1
Job Ticket: 46152 **DST#: 1**
Test Start: 2012.04.29 @ 16:50:00

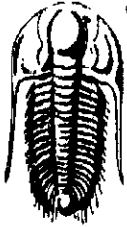
Tool Information

Drill Pipe:	Length: 3139.00 ft	Diameter: 3.80 inches	Volume: 44.03 bbl	Tool Weight: 2000.00 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: 31.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: 44.18 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	3160.00 ft			Final 43000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	25.00 ft			
Tool Length:	45.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments: Tool slid 3' to bottom before opening, No mud loss

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3145.00	
Hydraulic tool	5.00			3150.00	
Packer	5.00			3155.00	20.00 Bottom Of Top Packer
Packer	5.00			3160.00	
Stubb	1.00			3161.00	
Recorder	0.00	6719	Inside	3161.00	
Recorder	0.00	8320	Outside	3161.00	
Perforations	21.00			3182.00	
Bullnose	3.00			3185.00	25.00 Bottom Packers & Anchor
Total Tool Length:	45.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Pioneer Resources
80 Windmill Dr
Phillipsburg, KS 67661
ATTN: Cliff Ottaway

3-5s-18w Phillips,KS
Foundation #1
Job Ticket: 46152 **DST#: 1**
Test Start: 2012.04.29 @ 16:50:00

Mud and Cushion Information

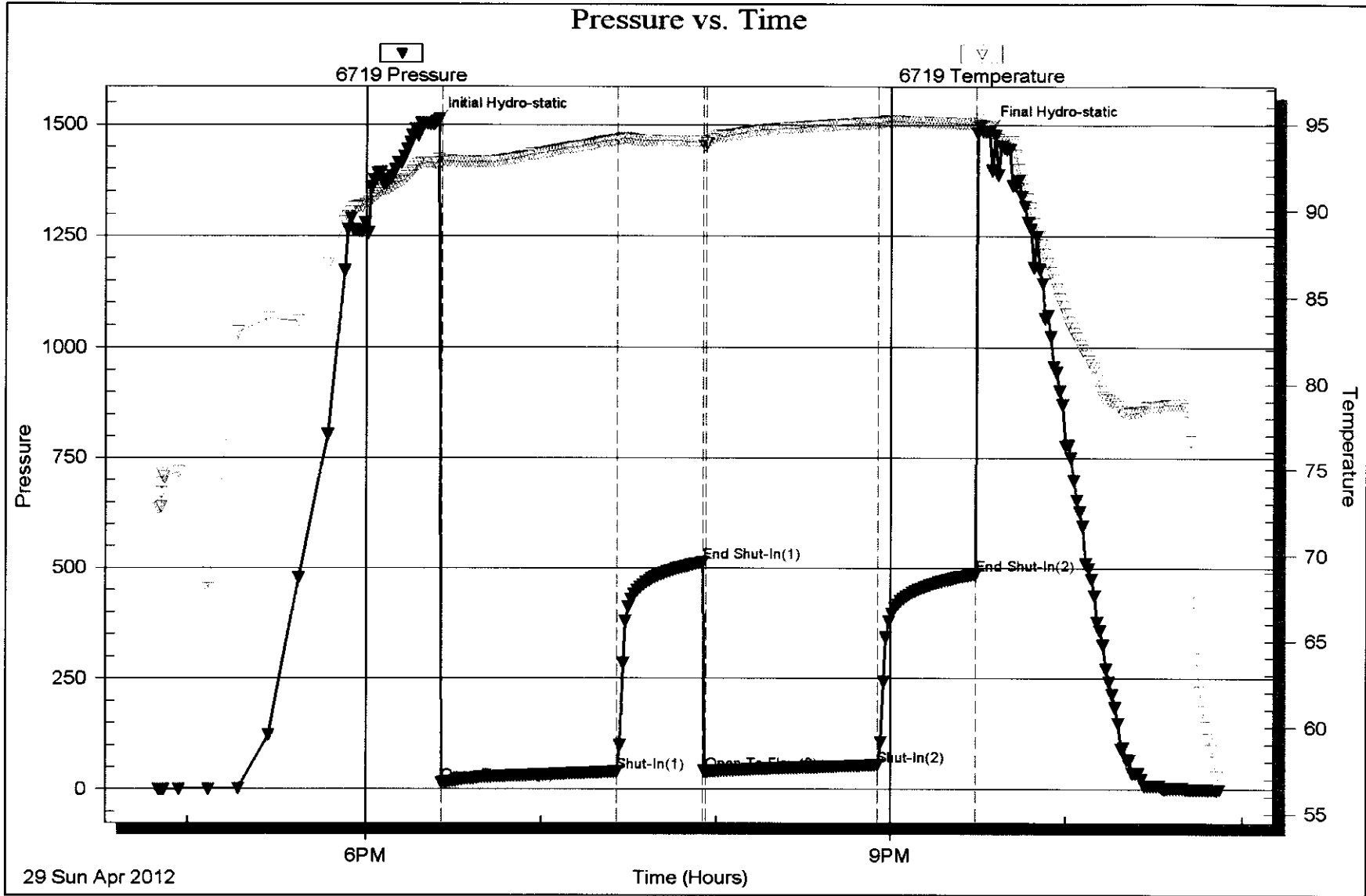
Mud Type:	Gel Chem	Cushion Type:		Oil API:	deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	44000 ppm
Viscosity:	55.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	6.77 in ³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	600.00 ppm				
Filter Cake:	1.00 inches				

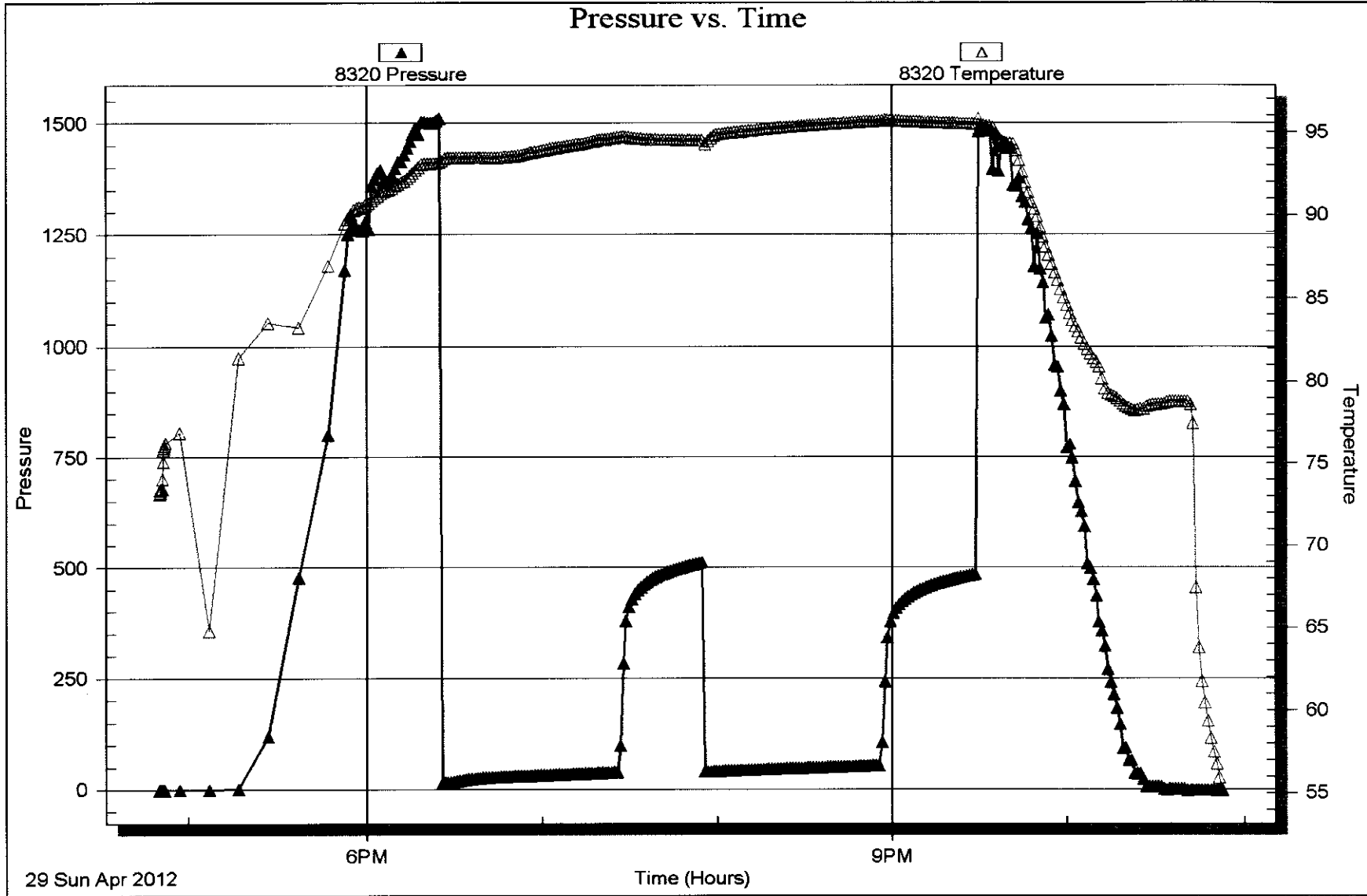
Recovery Information

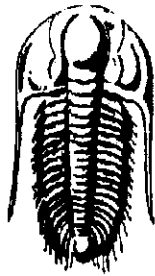
Recovery Table

Length ft	Description	Volume bbl
92.00	MCW w/trace oil 70%w , 30%m	1.008
1.00	Free Oil	0.014

Total Length: 93.00 ft Total Volume: 1.022 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments: RW = .212 ohms @ 56.3 deg F
 Chlorides = 44,000 ppm







**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Pioneer Resources**

80 Windmill Dr
Phillipsburg, KS 67661

ATTN: Cliff Ottaway

Foundation #1

3-5s-18w Phillips,KS

Start Date: 2012.04.30 @ 04:03:00

End Date: 2012.04.30 @ 09:00:30

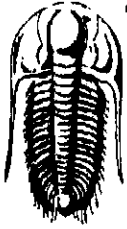
Job Ticket #: 46153 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.05.07 @ 10:46:33



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Pioneer Resources
80 Windmill Dr
Phillipsburg, KS 67661
ATTN: Cliff Ottaway

3-5s-18w Phillips,KS
Foundation #1
Job Ticket: 46153 **DST#: 2**
Test Start: 2012.04.30 @ 04:03:00

GENERAL INFORMATION:

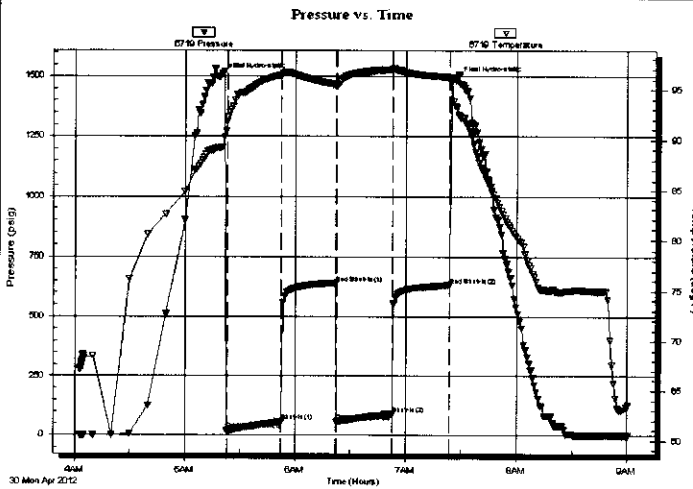
Formation: **LKC "G"**
Deviated: No Whipstock: ft (KB)
Test Type: Conventional Bottom Hole (Reset)
Time Tool Opened: 05:23:00 Tester: James Winder
Time Test Ended: 09:00:30 Unit No: 57
Interval: **3184.00 ft (KB) To 3198.00 ft (KB) (TVD)** Reference Elevations: 1910.00 ft (KB)
Total Depth: 3198.00 ft (KB) (TVD) 1902.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 8.00 ft

Serial #: 6719

Inside

Press@RunDepth: 90.05 psig @ 3185.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2012.04.30 End Date: 2012.04.30 Last Calib.: 2012.04.30
Start Time: 04:03:05 End Time: 09:00:29 Time On Btm: 2012.04.30 @ 05:19:00
Time Off Btm: 2012.04.30 @ 07:27:00

TEST COMMENT: 30 - IF: Blow built to BOB (11") in 9 3/4 min.
30 - ISI: Bled off, Blow back built to 1 1/4", dying back at 20 min.
30 - FF: Blow built to BOB in 17 1/2 min.
30 - FSI: Bled off, Blow back built to 1 1/4", dying back at 20 min.



PRESSURE SUMMARY

Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	1498.10	89.20	Initial Hydro-static
4	19.44	91.78	Open To Flow (1)
34	56.73	96.43	Shut-In(1)
63	639.38	95.48	End Shut-In(1)
64	58.19	95.28	Open To Flow (2)
94	90.05	97.00	Shut-In(2)
125	631.39	96.23	End Shut-In(2)
128	1484.03	93.28	Final Hydro-static

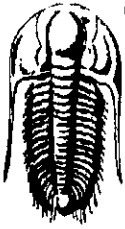
Recovery

Length (ft)	Description	Volume (bbl)
45.00	SO/GMCW 58%w, 30%m, 10%g, 2%o	0.35
15.00	SMWCO 70%o, 23%w, 7%m	0.21
62.00	SMWCO 91%o, 5%g, 2%m, 2%w	0.87
72.00	SMCO 74%o, 15%g, 11%m	1.01
0.00	GIP = 235'	0.00

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Pioneer Resources
80 Windmill Dr
Phillipsburg, KS 67661
ATTN: Cliff Ottaway

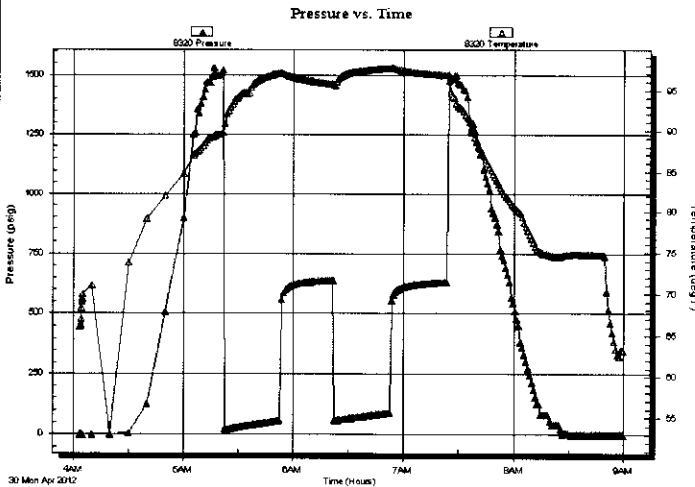
3-5s-18w Phillips,KS
Foundation #1
Job Ticket: 46153 **DST#: 2**
Test Start: 2012.04.30 @ 04:03:00

GENERAL INFORMATION:

Formation: **LKC "G"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 05:23:00
Time Test Ended: 09:00:30
Test Type: Conventional Bottom Hole (Reset)
Tester: James Winder
Unit No: 57
Interval: **3184.00 ft (KB) To 3198.00 ft (KB) (TVD)**
Reference Elevations: 1910.00 ft (KB)
Total Depth: 3198.00 ft (KB) (TVD) 1902.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 8.00 ft

Serial #: 8320 Outside
Press@RunDepth: psig @ 3185.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2012.04.30 End Date: 2012.04.30 Last Calib.: 2012.04.30
Start Time: 04:03:05 End Time: 08:59:59 Time On Btm:
Time Off Btm:

TEST COMMENT:
30 - IF: Blow built to BOB (11") in 9 3/4 min.
30 - IS: Bled off, Blow back built to 1 1/4", dying back at 20 min.
30 - FF: Blow built to BOB in 17 1/2 min.
30 - FS: Bled off, Blow back built to 1 1/4", dying back at 20 min.



PRESSURE SUMMARY

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

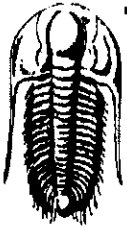
Recovery

Length (ft)	Description	Volume (bbl)
45.00	SO/GMCW 58%w, 30%m, 10%g, 2%o	0.35
15.00	SMWCO 70%o, 23%w, 7%m	0.21
62.00	SMWGO 91%o, 5%g, 2%m, 2%w	0.87
72.00	SMCGO 74%o, 15%g, 11%m	1.01
0.00	GIP = 235'	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

Pioneer Resources
80 Windmill Dr
Phillipsburg, KS 67661
ATTN: Cliff Ottaway

3-5s-18w Phillips,KS
Foundation #1
Job Ticket: 46153 **DST#: 2**
Test Start: 2012.04.30 @ 04:03:00

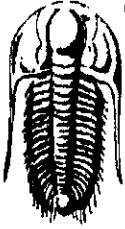
Tool Information

Drill Pipe:	Length: 3139.00 ft	Diameter: 3.80 inches	Volume: 44.03 bbl	Tool Weight: 2000.00 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: 31.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 58000.00 lb
			<u>Total Volume: 44.18 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	6.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	3184.00 ft			Final 44000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	14.00 ft			
Tool Length:	34.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments: tool slid 4 - 5' to bottom before open, no mud loss

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3169.00	
Hydraulic tool	5.00			3174.00	
Packer	5.00			3179.00	20.00 Bottom Of Top Packer
Packer	5.00			3184.00	
Stubb	1.00			3185.00	
Recorder	0.00	6719	Inside	3185.00	
Recorder	0.00	8320	Outside	3185.00	
Perforations	10.00			3195.00	
Bullnose	3.00			3198.00	14.00 Bottom Packers & Anchor
Total Tool Length:	34.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Pioneer Resources
80 Windmill Dr
Phillipsburg, KS 67661
ATTN: Cliff Ottaway

3-5s-18w Phillips,KS
Foundation #1
Job Ticket: 46153 **DST#: 2**
Test Start: 2012.04.30 @ 04:03:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 36 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 45000 ppm
Viscosity: 55.00 sec/qt	Cushion Volume: bbl	
Water Loss: 6.78 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 600.00 ppm		
Filter Cake: 1.00 inches		

Recovery Information

Recovery Table

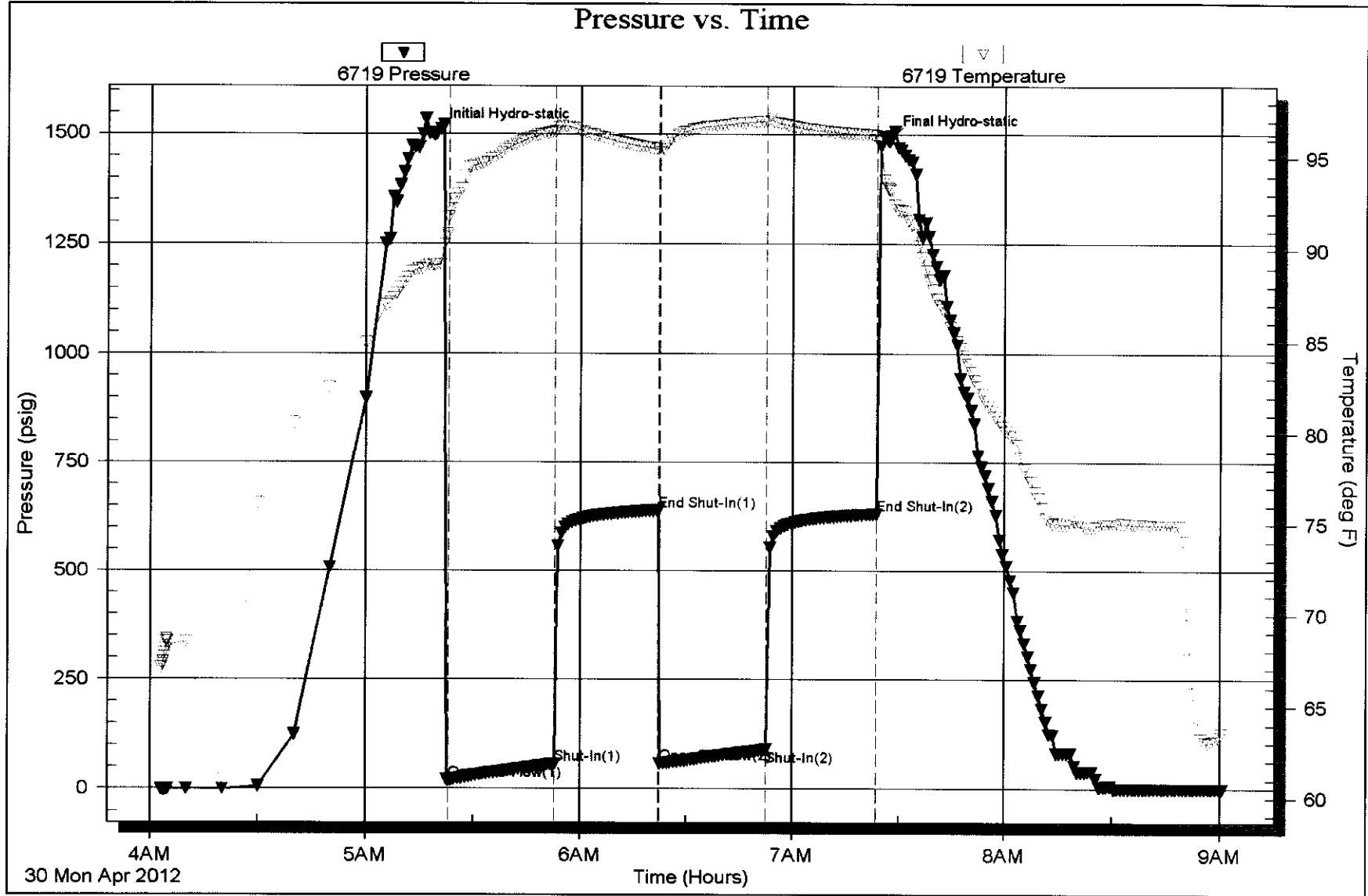
Length ft	Description	Volume bbl
45.00	SO/GMCW 58%w , 30%m, 10%g, 2%o	0.349
15.00	SM/WCO 70%o, 23%w , 7%m	0.210
62.00	SM/WCGO 91%o, 5%g, 2%m, 2%w	0.870
72.00	SM/CGO 74%o, 15%g, 11%m	1.010
0.00	GIP = 235'	0.000

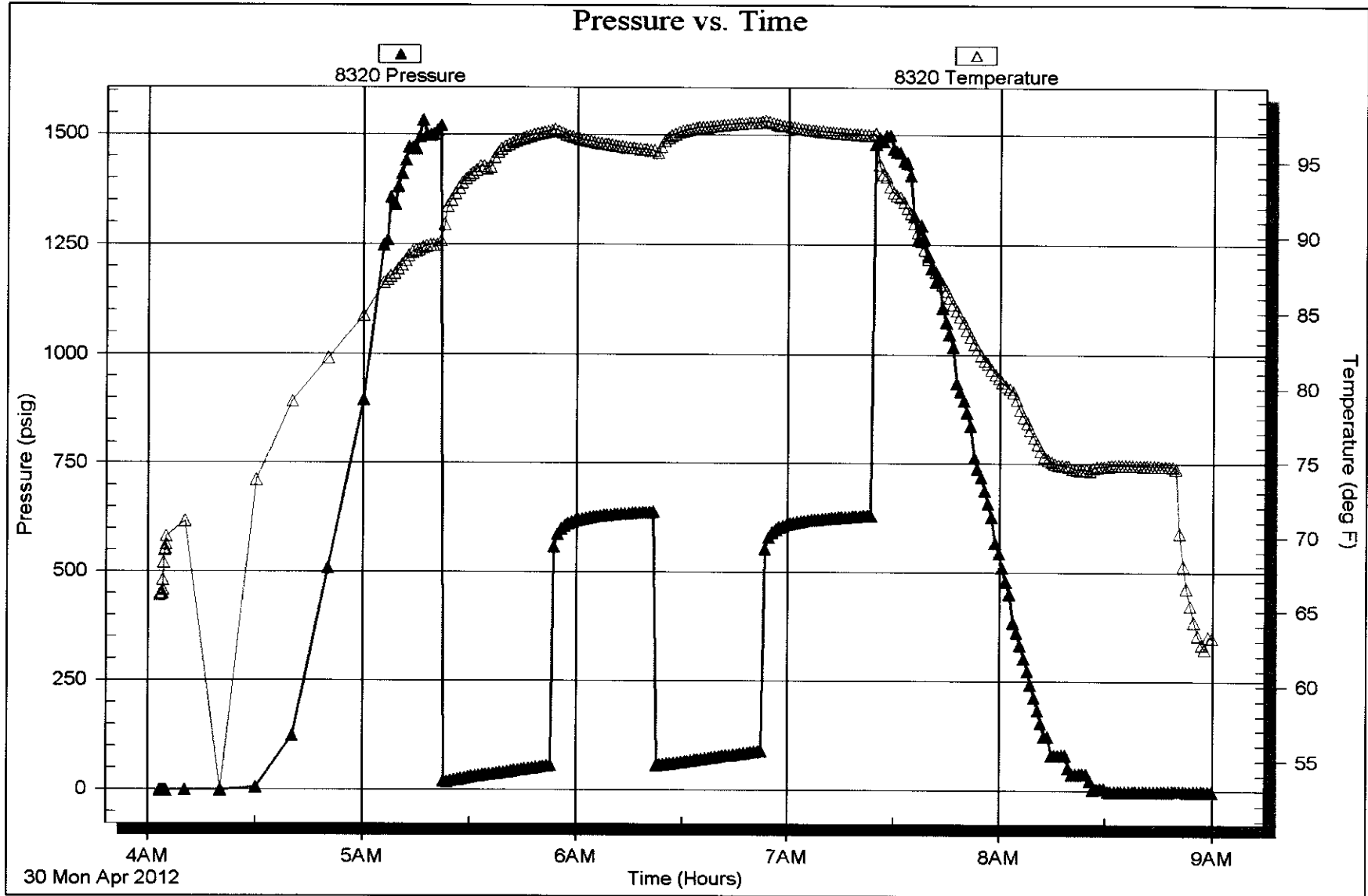
Total Length: 194.00 ft Total Volume: 2.439 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: Gravity = 36.4 api @ 64 deg F
RW = .188 ohms @ 62.3 deg F







TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

MAY 04 2012

Test Ticket

NO. 46152

Well Name & No.	Foundation #1		Test No.	1	Date	4-29-12	
Company	Pioneer Resources		Elevation	1910	KB	1902	GL
Address	80 Windmill Dr. Phillipsburg KS 67661						
Co. Rep / Geo.	Cliff Cliff Ottaway		Hig	Discovery #1			
Location: Sec.	3	Twp.	5s	Rge.	18w	Co.	Phillips
						State	KS

Interval Tested	3160-3185	Zone Tested	LKC "F"
Anchor Length	25	Drill Pipe Run	3139
Top Packer Depth	3155	Drill Collars Run	31
Bottom Packer Depth	3160	Wt. Pipe Run	-
Total Depth	3185	Chlorides	600 ppm System
			LCM 2

Blow Description IF: Blow built to 5 1/2"
ISI: Bled off, No blowback
FF: Blow started at 5 min, built to 3"
FSI: Bled off, No blowback

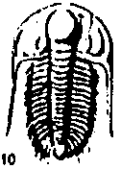
Rec.	Feet of	%gas	%oil	%water	%mud
1	Free Oil				
92	MCW w/trace of oil	trace	70	30	

Rec Total 93 BIT 95 Gravity - API RW .212 @ 56.3 °F Chlorides 44,000 ppm

(A) Initial Hydrostatic	1501	<input type="checkbox"/> Test	1150	T-On Location	16:00
(B) First Initial Flow	15	<input checked="" type="checkbox"/> Jars		T-Started	16:50
(C) First Final Flow	40	<input checked="" type="checkbox"/> Safety Joint		T-Open	18:25
(D) Initial Shut-In	513	<input checked="" type="checkbox"/> Circ Sub	*NA	T-Pulled	21:29
(E) Second Initial Flow	40	<input checked="" type="checkbox"/> Hourly Standby		T-Out	22:50
(F) Second Final Flow	55	<input type="checkbox"/> Mileage	116 RT 1519.80	Comments	Tool slid 3' to bottom before open - No mud loss (116 RT to top)
(G) Final Shut-In	486	<input checked="" type="checkbox"/> Sampler		<input checked="" type="checkbox"/> Ruined Shale Packer	
(H) Final Hydrostatic	1484	<input checked="" type="checkbox"/> Straddle		<input checked="" type="checkbox"/> Ruined Packer	

Initial Open	60	<input checked="" type="checkbox"/> Extra Packer		<input checked="" type="checkbox"/> Extra Copies	
Initial Shut-In	30	<input checked="" type="checkbox"/> Extra Recorder		Sub Total	0
Final Flow	60	<input checked="" type="checkbox"/> Day Standby		Total	1329.80
Final Shut-In	30	<input checked="" type="checkbox"/> Accessibility		MP/DST Disc't	
		Sub Total	1329.80		

Approved By _____ Our Representative Jama Kinsler
 TriLOBITE TESTING INC. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 46153

MAY 10 2012

Well Name & No. Foundation #1 Test No. 2 Date 4-30-12
 Company Pioneer Resources Elevation 1910 KB 1902 GL
 Address 80 Windmill Dr. Phillipsburg, KS 67661
 Co. Rep / Geo. Cliff Ottaway Rig Discovery #1
 Location: Sec. 3 Twp. 5s Rge. 18w Co. Phillips State KS

Interval Tested 3184-3198 Zone Tested LKC "6"
 Anchor Length 14 Drill Pipe Run 3139 Mud Wt. 8.9
 Top Packer Depth 3179 Drill Collars Run 31 Vis 55
 Bottom Packer Depth 3184 Wt. Pipe Run - WL 6.8
 Total Depth 3198 Chlorides 600 ppm System LGM 2

Blow Description IF: Blow built to BOB (11") in 9 3/4 min.
ISI: Bled off, Blowback built to 1 1/4", dying back at 20 min.
FF: Blow built to BOB in 17 1/2 min.
FSI: Bled off, Blowback built to 1 1/4", dying back at 20 min.

Rec	Feet of	%gas	%oil	%water	%mud
72	SMCGO 5MCGO	15	74	-	11
62	SMWCGO	5	91	2	2
15	SM/WCO	-	70	23	7
45	SO/GMCW	10	2	58	30
124	GIP = 235'	%gas	%oil	%water	%mud

Rec Total 194 Fluid 235 GIP BIT 96 Gravity 36 API RW 188 @ 62.3 °F Chlorides 45,000 ppm

(A) Initial Hydrostatic 1498 Test * 1150' T-On Location 3:25
 (B) First Initial Flow 19 Jars T-Started 4:03
 (C) First Final Flow 57 Safety Joint T-Open 5:23
 (D) Initial Shut-In 639 Circ Sub *NA T-Pulled 7:23
 (E) Second Initial Flow 58 Hourly Standby T-Out 8:55
 (F) Second Final Flow 90 Mileage 116 RT x 2 359.60 Comments Tool slid 4'-5' to bottom before open -
 (G) Final Shut-In 631 Sampler No mud loss
 (H) Final Hydrostatic 1484 Straddle Ruined Shale Packer
 Shale Packer Ruined Packer
 Extra Packer Extra Copies

Initial Open 30
 Initial Shut-In 30
 Final Flow 30
 Final Shut-In 30
 Sub Total 1509.00
 Total 1509.00
 MP/DST Disc't

Approved By _____ Our Representative James Winters

TriLOBITE TESTING INC. shall not be liable for damaged or any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.