



KANSAS CORPORATION COMMISSION 1095417
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 # 33575
Name: WW Drilling, LLC
Wellsite Geologist: CLIFF OTTAWAY
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 #: _____
07/25/2012 07/31/2012 07/31/2012
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 15-137-20610-00-00
Spot Description: _____
NE SE NE SE Sec. 1 Twp. 3 S. R. 21 East West
1738 Feet from North / South Line of Section
150 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Norton
Lease Name: SCHEMPER-ROMJUE UNIT Well #: 1
Field Name: WILDCAT
Producing Formation: ARBUCKLE
Elevation: Ground: 2299 Kelly Bushing: 2307
Total Depth: 4048 Plug Back Total Depth: _____
Amount of Surface Pipe Set and Cemented at: 251 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: 20000 ppm Fluid volume: 700 bbls
Dewatering method used: Evaporated
Location of fluid disposal if hauled offsite: _____
Operator Name: _____
Lease Name: _____ License #: _____
Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West
County: _____ Permit #: _____

AFFIDAVIT

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

Submitted Electronically

KCC Office Use ONLY

Letter of Confidentiality Received
Date: _____
 Confidential Release Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution
ALT I II III Approved by: Deanna Gantson Date: 11/14/2012



1095417

Operator Name: Wells, Rodger D. dba Pioneer Resources Lease Name: SCHEMPER-ROMJUE UNIT Well #: 1
 Sec. 1 Twp. 3 S. R. 21 East West County: Norton

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:60%;">Name</td> <td style="width:20%;">Top</td> <td style="width:20%;">Datum</td> </tr> <tr> <td>ANHY</td> <td>1995</td> <td>+312</td> </tr> <tr> <td>TOPEKA</td> <td>3334</td> <td>-1027</td> </tr> <tr> <td>HEEBNER</td> <td>3538</td> <td>-1231</td> </tr> <tr> <td>LANSING-KC</td> <td>3582</td> <td>-1275</td> </tr> <tr> <td>ARBUCKLE</td> <td>3911</td> <td>-1604</td> </tr> <tr> <td>LTD</td> <td>4046</td> <td>-1739</td> </tr> </table>	Name	Top	Datum	ANHY	1995	+312	TOPEKA	3334	-1027	HEEBNER	3538	-1231	LANSING-KC	3582	-1275	ARBUCKLE	3911	-1604	LTD	4046	-1739
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ARBUCKLE	3911	-1604																				
LTD	4046	-1739																				

CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
SURFACE	12.25	8.6250	23	251	COMMON	150	

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 checked="" type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone	40-2012	COMMON	205	60/40 POZ 4% GEL 1/4# PER SX FLO-SEAL

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: <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 <i>(Submit ACO-5) (Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Wells, Rodger D. dba Pioneer Resources
Well Name	SCHEMPER-ROMJUE UNIT 1
Doc ID	1095417

All Electric Logs Run

MICRO LOG
DIL
BOREHOLE COMPENSATED SONIC LOG
DUAL COMPENSATED POROSITY LOG

ALLIED OIL & GAS SERVICES, LLC

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

SERVICE POINT: _____

DATE	SEC.	TWP.	RANGE	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
LEASE	WELL #		LOCATION			COUNTY	STATE
OLD OR NEW (Circle one)							

CONTRACTOR _____

TYPE OF JOB _____

HOLE SIZE _____ T.D. _____

CASING SIZE _____ DEPTH _____

TUBING SIZE _____ DEPTH _____

DRILL PIPE _____ DEPTH _____

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. _____

PERFS. _____

DISPLACEMENT _____

OWNER _____

CEMENT

AMOUNT ORDERED _____

COMMON _____ @ _____

POZMIX _____ @ _____

GEL _____ @ _____

CHLORIDE _____ @ _____

ASC _____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

HANDLING _____ @ _____

MILEAGE _____

EQUIPMENT

PUMP TRUCK CEMENTER _____

HELPER _____

BULK TRUCK _____

DRIVER _____

BULK TRUCK _____

DRIVER _____

REMARKS:

CHARGE TO: _____

STREET _____

CITY _____ STATE _____ ZIP _____

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 _____

SIGNATURE _____

TOTAL _____

SERVICE

DEPTH OF JOB _____

PUMP TRUCK CHARGE _____

EXTRA FOOTAGE _____ @ _____

MILEAGE _____ @ _____

MANIFOLD _____ @ _____

_____ @ _____

_____ @ _____

TOTAL _____

PLUG & FLOAT EQUIPMENT

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

TOTAL _____

SALES TAX (If Any) _____

TOTAL CHARGES _____

DISCOUNT _____ IF PAID IN 30 DAYS

ALLIED OIL & GAS SERVICES, LLC

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

SERVICE POINT: _____

DATE	SEC.	TWP.	RANGE	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
LEASE	WELL #		LOCATION			COUNTY	STATE
OLD OR NEW (Circle one)							

CONTRACTOR _____

TYPE OF JOB _____

HOLE SIZE _____ **T.D.** _____

CASING SIZE _____ **DEPTH** _____

TUBING SIZE _____ **DEPTH** _____

DRILL PIPE _____ **DEPTH** _____

TOOL _____ **DEPTH** _____

PRES. MAX _____ **MINIMUM** _____

MEAS. LINE _____ **SHOE JOINT** _____

CEMENT LEFT IN CSG. _____

PERFS. _____

DISPLACEMENT _____

OWNER _____

CEMENT
AMOUNT ORDERED _____

COMMON _____ @ _____

POZMIX _____ @ _____

GEL _____ @ _____

CHLORIDE _____ @ _____

ASC _____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

HANDLING _____ @ _____

MILEAGE _____

TOTAL _____

EQUIPMENT

PUMP TRUCK CEMENTER _____

_____ HELPER _____

BULK TRUCK _____

_____ DRIVER _____

BULK TRUCK _____

_____ DRIVER _____

REMARKS:

CHARGE TO: _____

STREET _____

CITY _____ STATE _____ ZIP _____

SERVICE

DEPTH OF JOB _____

PUMP TRUCK CHARGE _____

EXTRA FOOTAGE _____ @ _____

MILEAGE _____ @ _____

MANIFOLD _____ @ _____

_____ @ _____

_____ @ _____

TOTAL _____

PLUG & FLOAT EQUIPMENT

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

TOTAL _____

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.

SALES TAX (If Any) _____

TOTAL CHARGES _____

DISCOUNT _____ IF PAID IN 30 DAYS

PRINTED NAME _____

SIGNATURE _____

CLIFF OTTAWAY

P.O. BOX 494 * HAYS, KS 67601 * 785-628-6900

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

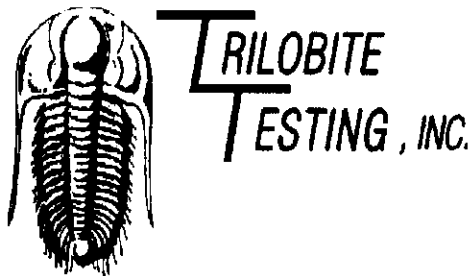
COMPANY <u>POWER RESOURCES</u> LEASE <u>SCHMIDT-ROWINE Unit 41</u> FIELD _____ LOCATION <u>NE 35. N 35 E</u> SEC <u>1</u> TWP <u>3s</u> RGE <u>21w</u> COUNTY <u>NEOTOMA STATE KANSAS</u>	ELEVATIONS KB <u>3257'</u> DF <u>3305'</u> GL <u>3297'</u> Measurements Are All From <u>A.S.</u>
CONTRACTOR <u>W. W. D. G. Inc #12</u> SPUD <u>7-25-12</u> COMP _____ RTD _____ LTD _____ MUD UP <u>3100'</u> TYPE MUD <u>MHEMICAL</u>	CASING SURFACE _____ PRODUCTION <u>NO</u> ELECTRICAL SURVEYS _____ _____

FORMATION TOPS AND STRUCTURAL POSITION

FORMATION	SAMPLE TOP	ELECTRIC LOG TOP	SUB-SEA DATUM	STRUCTURAL POSITION		
				A	B	C
<u>KAUFMANN</u>	<u>1995</u>	<u>1995</u>	<u>312</u>	<u>1299</u>		
<u>TIPPER</u>	<u>3337</u>	<u>3337</u>	<u>1027</u>	<u>1123</u>		
<u>WEEBNER</u>	<u>3543</u>	<u>3539</u>	<u>1231</u>	<u>1235</u>		
<u>TORONTO</u>	<u>3565</u>	<u>3563</u>	<u>1256</u>	<u>1261</u>		
<u>LAWRENCE</u>	<u>3585</u>	<u>3582</u>	<u>1275</u>	<u>1277</u>		
<u>WASSON</u>	<u>3786</u>	<u>3781</u>	<u>1503</u>	<u>1485</u>		
<u>WARMAN</u>	<u>3817</u>	<u>3814</u>	<u>1507</u>	<u>1519</u>		
<u>APRUANE</u>	<u>3914</u>	<u>3911</u>	<u>1524</u>	<u>1511</u>		
<u>RTD.</u>	<u>4047</u>		<u>1761</u>	<u>1679</u>		
<u>L.T.D.</u>			<u>1789</u>	<u>1674</u>		

REFERENCE WELLS FOR STRUCTURE

A	<u>NE 35. N 35 E</u>	<u>NEOTOMA No 1 NE NE NE 31-2-20</u>
B		
C		



DRILL STEM TEST REPORT

Prepared For: **Pioneer Resoures**

80 Windmill Dr
Phillipsburg KS 67661

ATTN: Cliff Ottaway

Schemper-Romjue # 1

1-3s-21w Norton,KS

Start Date: 2012.07.28 @ 18:15:00

End Date: 2012.07.29 @ 01:28:00

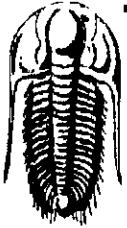
Job Ticket #: 46136 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.08.02 @ 14:03:45



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

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

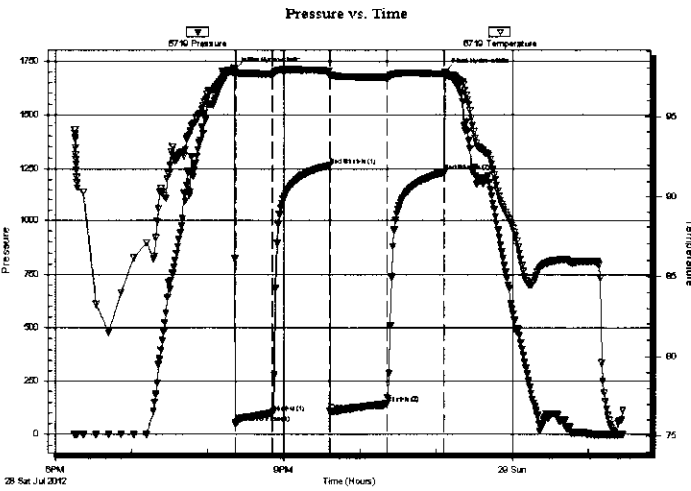
1-3s-21w Norton, KS
Schemper-Romjue # 1
 Job Ticket: 46136 **DST#: 1**
 Test Start: 2012.07.28 @ 18:15:00

GENERAL INFORMATION:

Formation: **Toronto**
 Deviated: No Whipstock: 2306.00 ft (KB)
 Time Tool Opened: 20:22:00
 Time Test Ended: 01:28:00
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Jim Svaty
 Unit No: 57
 Interval: **3540.00 ft (KB) To 3580.00 ft (KB) (TVD)**
 Reference Elevations: 2306.00 ft (KB)
 Total Depth: 3580.00 ft (KB) (TVD) 2299.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 7.00 ft

Serial #: 6719 Inside
 Press@RunDepth: 143.08 psig @ 3545.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.07.28 End Date: 2012.07.29 Last Calib.: 2012.07.29
 Start Time: 18:15:05 End Time: 01:27:59 Time On Btm: 2012.07.28 @ 20:21:00
 Time Off Btm: 2012.07.28 @ 23:06:30

TEST COMMENT: 30-IFP- BOB in 25 1/2 min
 45-ISIP- Surface Blow in 4 min Died in 19 min
 45-FFP- Surface Blow Building to 9 1/2"
 45-FSIP- Surface Blow in 3 min Died in 11 min



PRESSURE SUMMARY

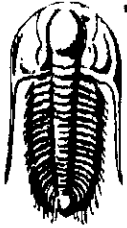
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1705.84	98.01	Initial Hydro-static
1	50.87	97.75	Open To Flow (1)
30	99.40	97.65	Shut-In(1)
75	1264.92	97.83	End Shut-In(1)
75	106.97	97.51	Open To Flow (2)
120	143.08	97.43	Shut-In(2)
165	1233.93	97.63	End Shut-In(2)
166	1697.99	97.70	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
124.00	MCW 15% m 85% w	0.61
62.00	MCW 30% m 70% w	0.87
62.00	VSO&WCM 2% o 38% w 60% m	0.87
10.00	MCO 10m 90% o	0.14

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

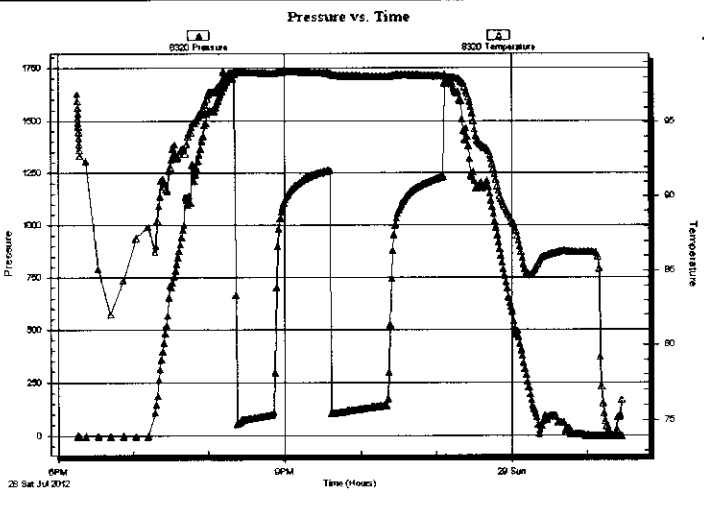
1-3s-21w Norton,KS
Schemper-Romjue # 1
Job Ticket: 46136 **DST#: 1**
Test Start: 2012.07.28 @ 18:15:00

GENERAL INFORMATION:

Formation: **Toronto**
Deviated: No Whipstock: 2306.00 ft (KB)
Time Tool Opened: 20:22:00
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Total Depth: 3580.00 ft (KB) (TVD)
Reference Elevations: 2306.00 ft (KB)
2299.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Fair
KB to GR/CF: 7.00 ft

Serial #: 8320 Outside
Press@RunDepth: psig @ 3545.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2012.07.28 End Date: 2012.07.29 Last Calib.: 2012.07.29
Start Time: 18:15:05 End Time: 01:27:59 Time On Btm:
Time Off Btm:

TEST COMMENT: 30-IFP- BOB in 25 1/2 min
45-ISIP- Surface Blow in 4 min Died in 19 min
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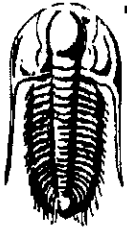
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
124.00	MCW 15% m 85% w	0.61
62.00	MCW 30% m 70% w	0.87
62.00	VSO&WCM 2% o 38% w 60% m	0.87
10.00	MCO 10m 90% o	0.14

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Pioneer Resources
80 Windrill Dr
Phillipsburg KS 67661
ATTN: Cliff Ottaway

1-3s-21w Norton, KS
Schemper-Romjue # 1
Job Ticket: 46136 **DST#: 1**
Test Start: 2012.07.28 @ 18:15:00

Tool Information

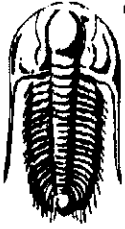
Drill Pipe:	Length: 3415.00 ft	Diameter: 3.80 inches	Volume: 47.90 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 50000.00 lb
			<u>Total Volume: 48.51 bbl</u>	Tool Chased: 0.00 ft
Drill Pipe Above KB:	19.00 ft			String Weight: Initial 38000.00 lb
Depth to Top Packer:	3540.00 ft			Final 40000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	40.00 ft			
Tool Length:	60.00 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			3525.00	
Hydraulic tool	5.00			3530.00	
Packer	5.00			3535.00	20.00 Bottom Of Top Packer
Packer	5.00			3540.00	
Stubb	1.00			3541.00	
Perforations	3.00			3544.00	
Change Over Sub	1.00			3545.00	
Recorder	0.00	6719	Inside	3545.00	
Recorder	0.00	8320	Outside	3545.00	
Blank Spacing	31.00			3576.00	
Change Over Sub	1.00			3577.00	
Bullnose	3.00			3580.00	40.00 Bottom Packers & Anchor

Total Tool Length: 60.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

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

1-3s-21w Norton, KS
Schemper-Romjue # 1
Job Ticket: 46136 **DST#: 1**
Test Start: 2012.07.28 @ 18:15:00

Mud and Cushion Information

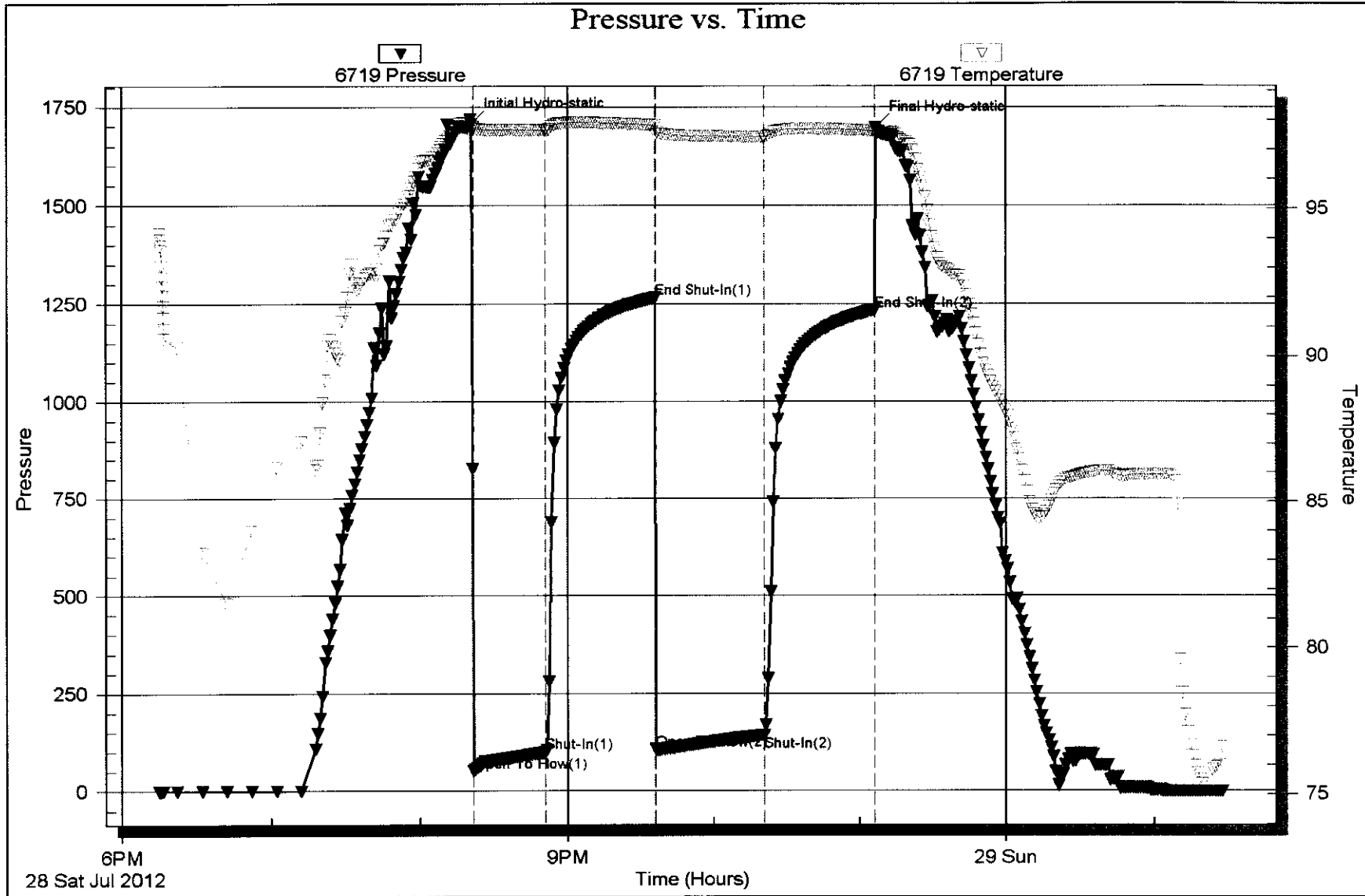
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 85000 ppm	
Viscosity: 46.00 sec/qt	Cushion Volume: bbl		
Water Loss: 5.99 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 900.00 ppm			
Filter Cake: 2.00 inches			

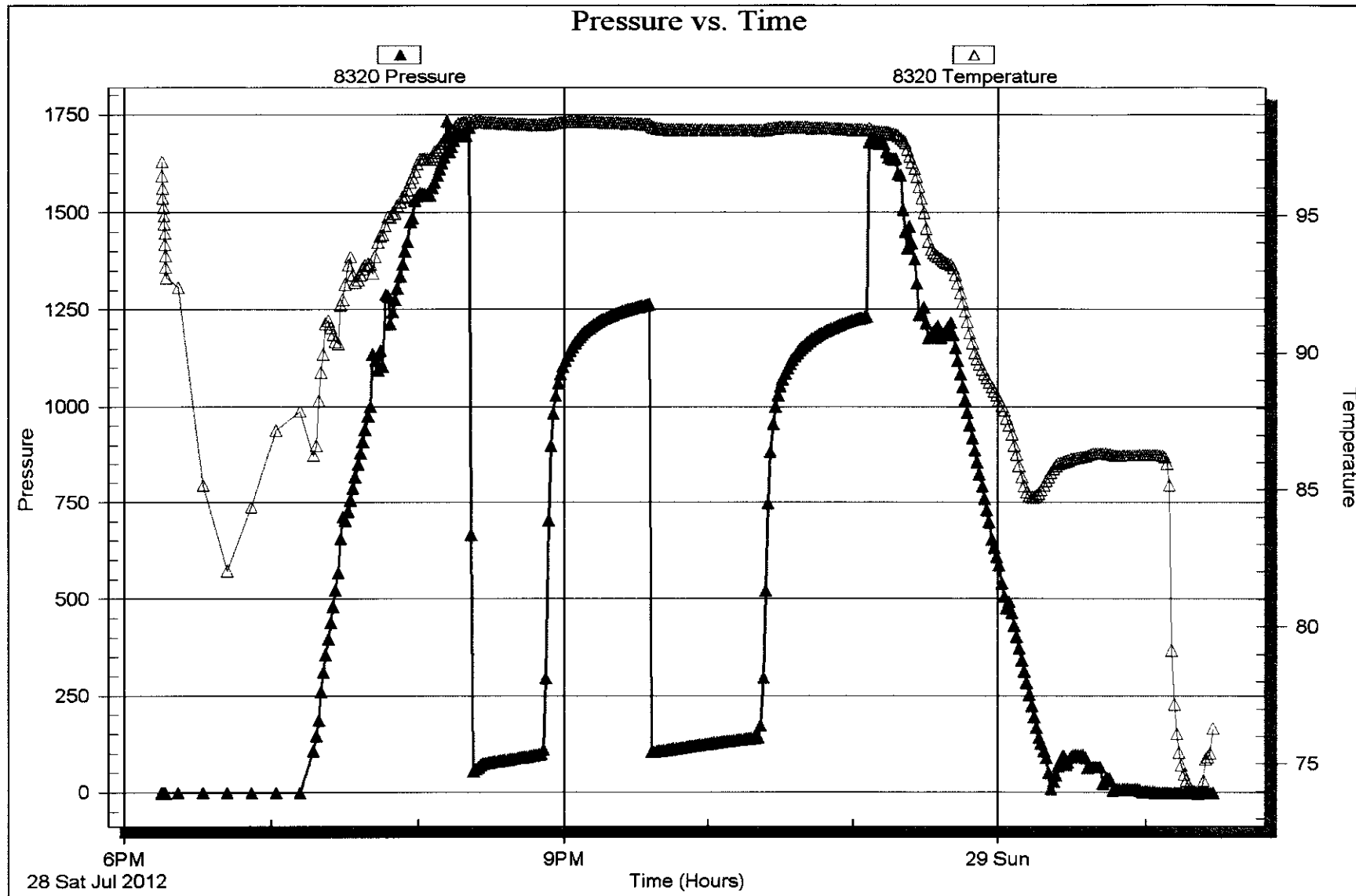
Recovery Information

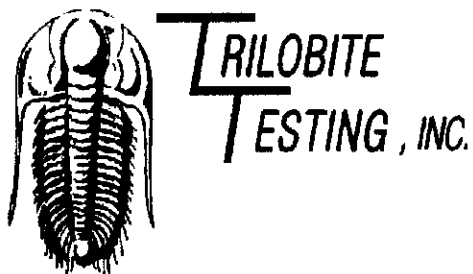
Recovery Table

Length ft	Description	Volume bbl
124.00	MCW 15%m 85%w	0.610
62.00	MCW 30%m 70%w	0.870
62.00	VSO&WCM 2%o 38%w 60%m	0.870
10.00	MCO 10m 90%o	0.140

Total Length: 258.00 ft Total Volume: 2.490 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments: .085 @ 76







DRILL STEM TEST REPORT

Prepared For: **Pioneer Resources**

80 Windmill Dr
Phillipsburg KS 67661

ATTN: Cliff Ottaway

Schemper-Romjue # 1

1-3s-21w Norton,KS

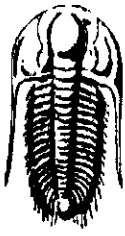
Start Date: 2012.07.29 @ 12:01:00

End Date: 2012.07.29 @ 18:28:30

Job Ticket #: 46137 DST #: 2

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

Printed: 2012.08.02 @ 14:02:58



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Pioneer Resources
80 Windrill Dr
Phillipsburg KS 67661
ATTN: Cliff Ottaway

1-3s-21w Norton,KS
Schemper-Romjue # 1
Job Ticket: 46137 **DST#: 2**
Test Start: 2012.07.29 @ 12:01:00

GENERAL INFORMATION:

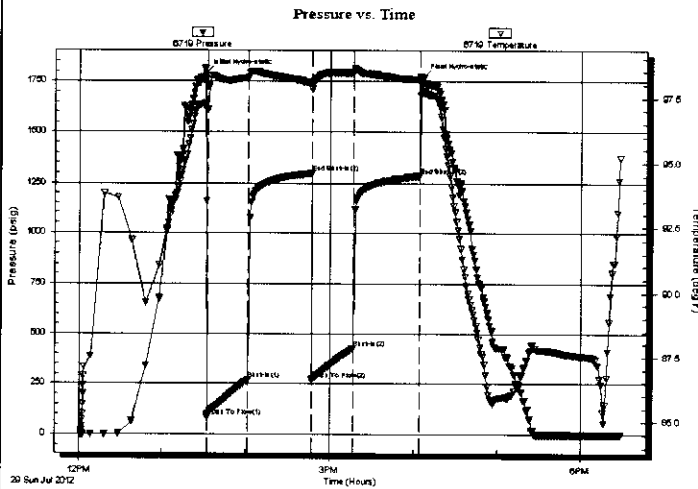
Formation: **LKC "E-F"**
Deviated: No Whipstock: 2306.00 ft (KB)
Time Tool Opened: 13:32:00
Time Test Ended: 18:28:30
Interval: **3644.00 ft (KB) To 3674.00 ft (KB) (TVD)**
Total Depth: 3674.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Reference Elevations: 2306.00 ft (KB)
2299.00 ft (CF)
KB to GR/CF: 7.00 ft

Serial #: 6719

Inside

Press@RunDepth: 431.28 psig @ 3645.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2012.07.29 End Date: 2012.07.29 Last Calib.: 2012.07.29
Start Time: 12:01:05 End Time: 18:28:29 Time On Btm: 2012.07.29 @ 13:31:00
Time Off Btm: 2012.07.29 @ 16:06:00

TEST COMMENT: 30 - IF: 5" surge blow at open, built to BOB (11") at 4 1/2 min.
45 - IS: Bled off, weak surface blow back for a few min., then dead
30 - FF: Blow built to BOB at 7 min.
45 - FS: Bled off, No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1790.68	97.31	Initial Hydro-static
1	84.59	97.02	Open To Flow (1)
31	270.41	98.27	Shut-In(1)
76	1297.86	98.07	End Shut-In(1)
76	271.16	97.84	Open To Flow (2)
106	431.28	98.44	Shut-In(2)
153	1284.95	98.19	End Shut-In(2)
155	1769.99	97.77	Final Hydro-static

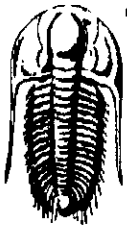
Recovery

Length (ft)	Description	Volume (bbl)
620.00	MCW 86%w, 14%m	7.57
275.00	MCW 62%w, 38%m	3.86
0.00	Trace of Oil in tool	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

1-3s-21w Norton,KS
Schemper-Romjue # 1
Job Ticket: 46137 **DST#: 2**
Test Start: 2012.07.29 @ 12:01:00

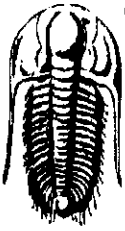
Tool Information

Drill Pipe:	Length: 3511.00 ft	Diameter: 3.80 inches	Volume: 49.25 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 46000.00 lb
			<u>Total Volume: 49.86 bbl</u>	Tool Chased 10.00 ft
Drill Pipe Above KB:	11.00 ft			String Weight: Initial 36000.00 lb
Depth to Top Packer:	3644.00 ft			Final 39000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	30.00 ft			
Tool Length:	50.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments: Tool chased 10' to bottom at open - lost 10' - 15' of mud - 5" surge blow at open

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3629.00	
Hydraulic tool	5.00			3634.00	
Packer	5.00			3639.00	20.00 Bottom Of Top Packer
Packer	5.00			3644.00	
Stubb	1.00			3645.00	
Recorder	0.00	6719	Inside	3645.00	
Recorder	0.00	8320	Outside	3645.00	
Perforations	26.00			3671.00	
Bullnose	3.00			3674.00	30.00 Bottom Packers & Anchor
Total Tool Length:	50.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

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

1-3s-21w Norton,KS
Schemper-Romjue # 1
Job Ticket: 46137 **DST#: 2**
Test Start: 2012.07.29 @ 12:01:00

Mud and Cushion Information

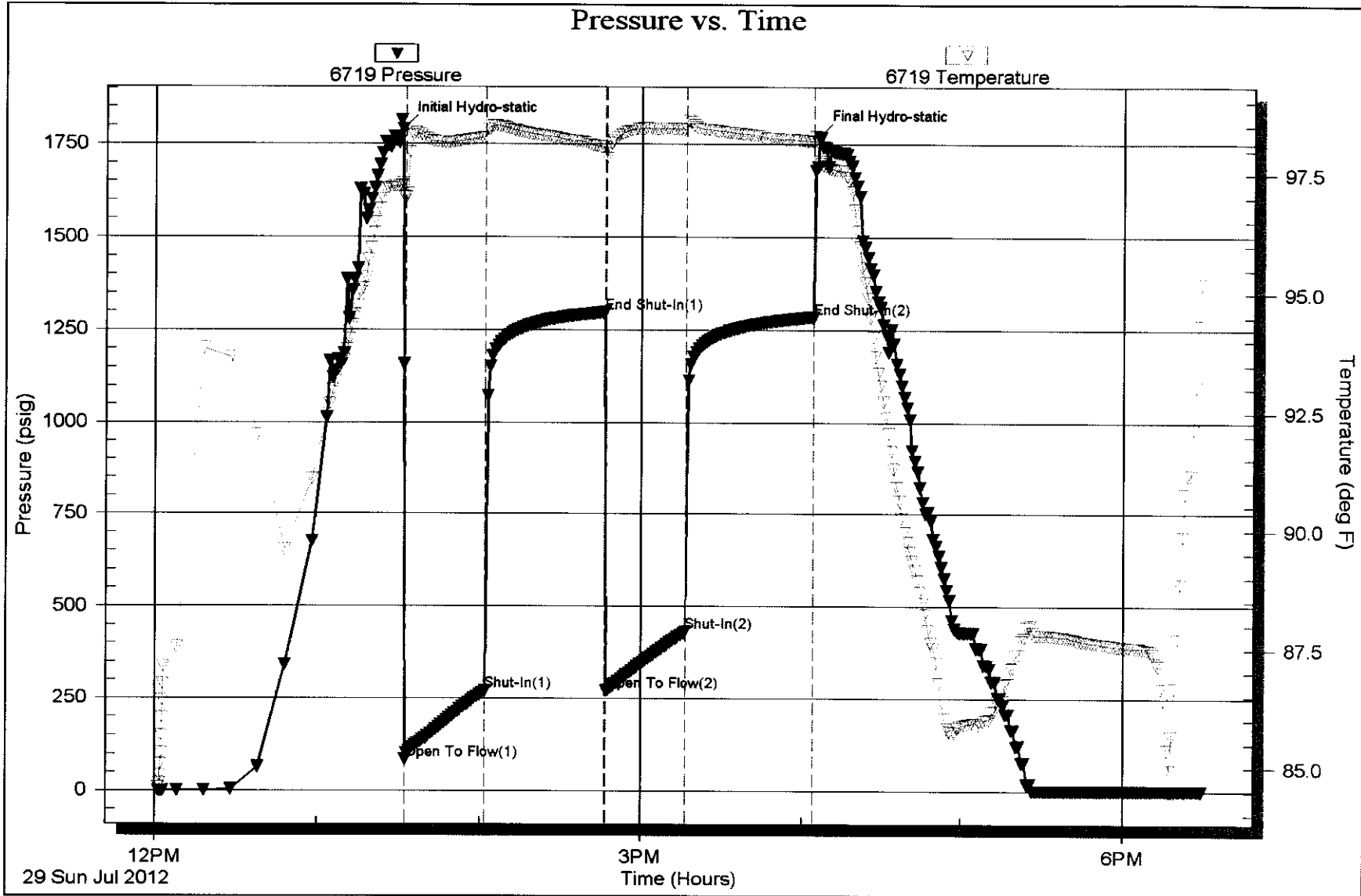
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 70000 ppm	
Viscosity: 46.00 sec/qt	Cushion Volume: bbl		
Water Loss: 5.98 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 900.00 ppm			
Filter Cake: 2.00 inches			

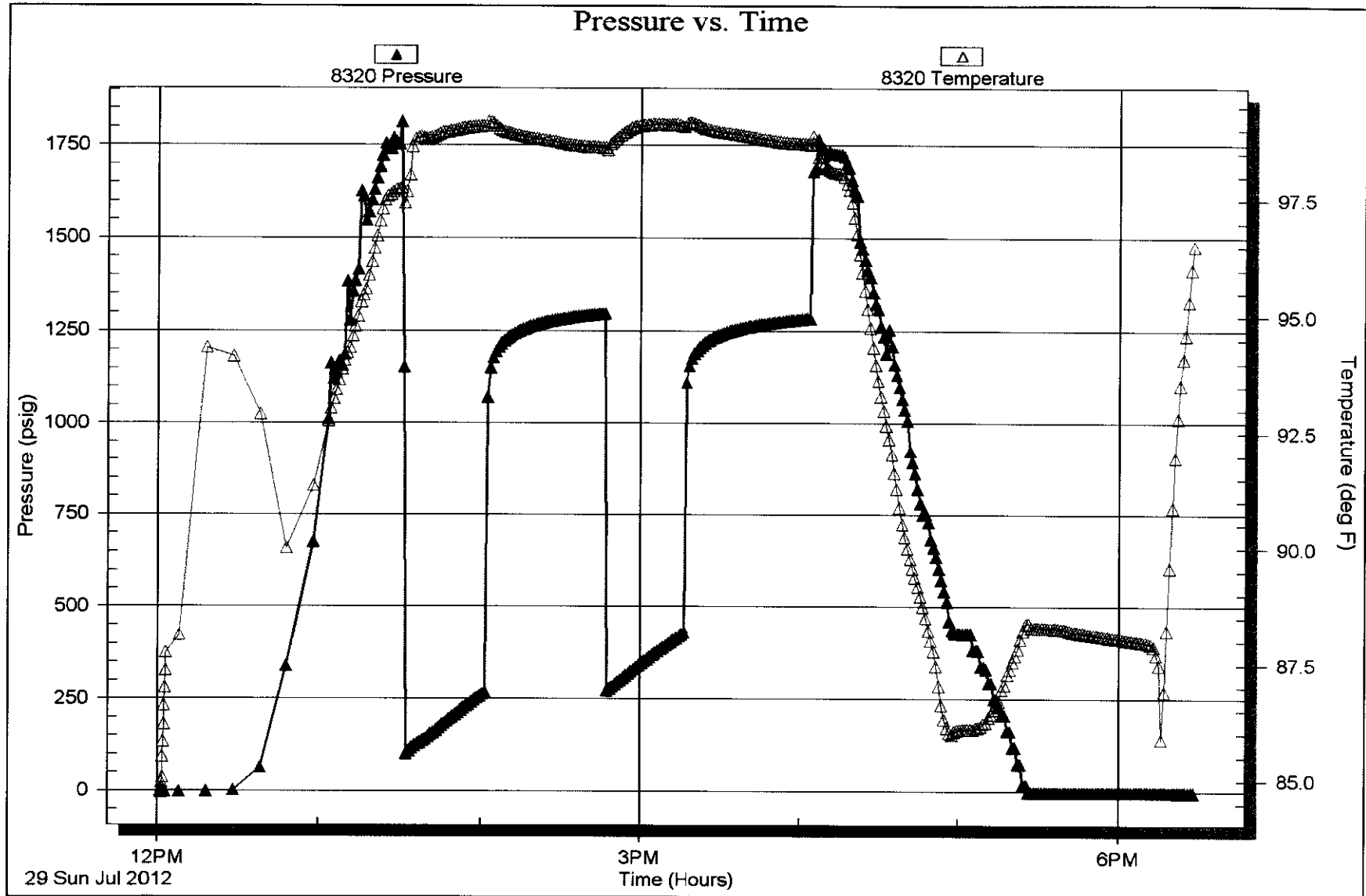
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
620.00	MCW 86%w, 14%m	7.567
275.00	MCW 62%w, 38%m	3.858
0.00	Trace of Oil in tool	0.000

Total Length: 895.00 ft Total Volume: 11.425 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments: RW = .075 ohms @ 100.2 deg F
 Chlorides = 70,000 ppm







TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 46136

Well Name No. Schemper-Romjue #1 Test No 1 Date 7-28-12
 Company Pioneer Resources Elevation 2306 KB 2299 GL
 Address 80 Windmill Dr. Phillipsburg Ks, 67661
 Co. Rep / Geo. CLIFF Rig W-W #12
 Location: Sec. 1 Twp. 3^s Rge. 21^w Co. Norton State Ks

Interval Tested 3540-3580 Zone Tested Toronto
 Anchor Length 40 Drill Pipe Run 3415 Mud Wt. 8.9
 Top Packer Depth 3535 Drill Collars Run 124 Vis 46
 Bottom Packer Depth 3540 Wt Pipe Run 0 WL 6.0
 Total Depth 3580 Chlorides 900 ppm System LCM 2

Blow Description IFP - BOB in 25 1/2 min.
ISIP - Surface Blow in 4 min Died in 19 min
FFP - Surface Blow Building to 9 1/2 in.
FSIP - Surface Blow in 3 min Died in 11 min

Rec	Feet of	%gas	%oil	%water	%mud
124	MCW		85	15	
62	MCW		70	30	
62	VSO & WCM	2	38	60	
10	MCO	90		10	
258					

Rec Total	BHT	Gravity	API RW	F Chlorides
258	97		0.85 @ 76	85000 ppm
(A) Initial Hydrostatic	170.5	<input checked="" type="checkbox"/> Test		T-On Location 15:05
(B) First Initial Flow	50	<input type="checkbox"/> Jars		T-Started 18:15
(C) First Final Flow	99	<input type="checkbox"/> Safety Joint		T-Open 20:21
(D) Initial Shut-In	1264	<input type="checkbox"/> Circ Sub		T-Pulled 23:06
(E) Second Initial Flow	106	<input type="checkbox"/> Hourly Standby		T-Out 01:28
(F) Second Final Flow	143	<input checked="" type="checkbox"/> Mileage 98 RT 151.90		Comments
(G) Final Shut-In	1233	<input type="checkbox"/> Sampler		
(H) Final Hydrostatic	1697	<input type="checkbox"/> Straddle		

Initial Open	30	<input type="checkbox"/> Ruined Shale Packer
Initial Shut-In	45	<input type="checkbox"/> Ruined Packer
Final Flow	45	<input type="checkbox"/> Extra Copies
Final Shut-In	45	Sub Total 0
		Total 1301.90
		MP/DST Disc't
		Sub Total 1301.90

Approved By _____ Our Representative

Triobite 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. 46137

Well Name & No.	Schenper-Romjue #1	Test No.	2	Date	7-29-12
Company	Pioneer Resources	Elevation	2306	KB	2299 GL
Address	80 Windmill Dr Phillipsburg KS 67661				
Co. Rep / Geo.	CLIFF Ottaway	Rig	WW #12		
Location: Sec.	1	Twp.	3 ^s	Rge.	21 ^w
		Co.	Norton	State	Ks

Interval Tested	3644 - 3674	Zone Tested	LKC "E-F"
Anchor Length	30	Drill Pipe Run	3511
Top Packer Depth	3639	Drill Collars Run	123
Bottom Packer Depth	3644	WI Pipe Run	-
Total Depth	3674	Chlorides	1300 ppm System LCM 1

Blow Description IF: 5" surge Blow at open, Built to BOB (11") at 4 1/2 min.
 ISI: Bled off, weak surface blowback for a few min., then dead
 FF: Blow built to BOB at 7 min.
 FSI: Bled off, No blowback

Rec	Feet of	%gas	%oil	%water	%mud
275	mcw	-	-	62	38
620	mcw	-	-	86	14
	Trace of oil in Tool	%gas	%oil	%water	%mud
		%gas	%oil	%water	%mud
		%gas	%oil	%water	%mud

Rec Total	895	BHT	98	Gravity	-	API RW	.075 @ 100.2F	Chlorides	70,000 ppm
(A) Initial Hydrostatic	1791	<input type="checkbox"/> Test	<input checked="" type="checkbox"/>	T On Location	11:40				
(B) First Initial Flow	85	<input checked="" type="checkbox"/> Jars		T-Started	12:01				
(C) First Final Flow	270	<input checked="" type="checkbox"/> Safety Joint		T Open	13:32				
(D) Initial Shut-In	1298	<input checked="" type="checkbox"/> Circ Sub	*NA	T Pulled	16:04				
(E) Second Initial Flow	271	<input checked="" type="checkbox"/> Hourly Standby		T Out	18:25				
(F) Second Final Flow	431	<input checked="" type="checkbox"/> Mileage	98 RT x 2	303.80	Comments				
(G) Final Shut-In	1285	<input checked="" type="checkbox"/> Sampler			Tool chased 10' to bottom at open - lost 10-15' of mud - 5" surge blow at open				
(H) Final Hydrostatic	1770	<input checked="" type="checkbox"/> Straddle			Hotel				

Initial Open	30	<input checked="" type="checkbox"/> Ruined Shale Packer	
Initial Shut-In	45	<input checked="" type="checkbox"/> Ruined Packer	
Final Flow	30	<input checked="" type="checkbox"/> Extra Copies	
Final Shut-In	45	Sub Total	800
		Total	2253.80
		MP/DST Disc't	
		Day Standby	* loaded Tools 7-30-12 22:00
		Accessibility	<input checked="" type="checkbox"/>
		Sub Total	1453.80

Approved By _____ Our Representative Janna Nishan
 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.