



WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

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

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

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

- Deepening Re-perf. Conv. to ENHR Conv. to SWD
- Conv. to GSW
- Plug Back: _____ Plug Back Total Depth _____
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date Date Reached TD Completion Date or Recompletion Date

API No. 15 - _____

Spot Description: _____

_____-_____-_____- Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite: _____

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

AFFIDAVIT

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

Submitted Electronically

KCC Office Use ONLY

- Letter of Confidentiality Received
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____



1095420

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

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

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

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

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

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____ Liner Run: Yes No

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

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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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.

Federal Tax I.D.# 20-2886107

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

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

No. 339

Date	4-26-12	Sec.	3	Twp.	5	Range	18	County	Phillips	State	KS	On Location		Finish	2:45 p.m.
Lease	Foundation	Well No.	1		Location		Colade W 2 1/2 SW 1/4								
Contractor	D. Scovely Drilling #1				Owner		To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.								
Type Job	Surface				Charge To		Pioneer Resources								
Hole Size	12 1/4		T.D.		221		Depth								
Csg.	8 5/8		Depth		221		Street								
Tbg. Size			Depth				City								
Tool			Depth				State								
Cement Left in Csg.	15		Shoe Joint		15		The above was done to satisfaction and supervision of owner agent or contractor.								
Meas Line			Displace		133C		Cement Amount Ordered 150 cum 3/4/12 20/1/1								

EQUIPMENT

Pumptrk	5	No.	Cement Helper	Chris	Common	130
Bulktrk		No.	Driver	Brett	Poz. Mix	
Bulktrk	14	No.	Driver	Brian	Gel.	3

JOB SERVICES & REMARKS

Remarks:	Hulls
Rat Hole	Salt
Mouse Hole	Flowseal
Centralizers	Kol-Seal
Baskets	Mud CLR 48
D/V or Port Collar	CFL-117 or CD110 CAF 38
8 5/8 on bottom. F&C Circulation-Mix	Sand
150 sac + Displace.	Handling
Cement Circulated	Mileage

FLOAT EQUIPMENT

Guide Shoe	
Centralizer	
Baskets	
AFU Inserts	
Float Shoe	
Latch Down	

Pumptrk Charge	Surface
Mileage	56

Signature	<i>[Signature]</i>	Tax	
		Discount	
		Total Charge	

JOB LOG

SWIFT Services, Inc.

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: Bottom 175 SWS EA 2
								TOP 235 SWS SMD
								RD 3400, SET PIPE @ 3399, SJ 16.98, INSERT 3382
								CSG: 4 1/2 11.6 7/8, D.I. ON TOP #51, 1355 FT
								CMT 2,3,4,5,8,9,10,12,50 BRIDGT 13,51
								RECIPRO SCRAMBLS 2,3,4,5,7,8,9,10 4 PER JOINT
	1100							START CSG FLUTTER
	1215							TAG BOTTOM - 200 100 BPM
	1225							BREAK CIRC & RECIPRO P. PE, MUD @ 37
	1340	5.0	12				200	120 bbls MUD FLUSH
		5	20					20 bbls HCL FLUSH
			43					175 SWS EA 2
								DROP PLUG, WASHOUT PL
	1355	5.0	0				200	START DISP W/1720
		5	30				300	" " W/RIG MUD
			50				700	" " W/1720
	1405		52.4				1400	LAND PLUG
	1410							PREPARE PSI-DRY, DROP DIV. OPENING DAMP
	1420						1000	OPEN DIV.
								CIRC W/RIG 3 HAS
	1715		7.5					PLUG RA 30, M H2O
	1720	6.0	20				200	20 bbls HCL FLUSH
		5	96.0				200	185 SWS SMD CMT
								DROP DIV CLOSING PLUG
		5.0	0				200	START DISP
		5	10				400	CIRC CMT! 20 SWS!
	1745		21.0				1300	LAND & CLOSE DIV
								PREPARE -DRY
	1830							JOB COMPLETE
								THANKYOU!
								DAVE, JOSH B, ROB

CLIFF OTTAWAY

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

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY <u>PIONEER RESOURCES</u> LEASE <u>FOUNDATION No 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 #1</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>898 @ 222' w/iso</u> PRODUCTION <u>43 @ 3395' w/</u> ELECTRICAL SURVEYS <u>COL/ONL, OIL</u> <u>SONIC/MEL</u>

FORMATION TOPS AND STRUCTURAL POSITION

FORMATION	SAMPLE TOP	ELECTRIC LOG TOP	SUB-SEA DATUM	STRUCTURAL POSITION		
				A	B	C
<u>ANHYDRITE</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>HEEBNER</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>LANSING-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>3400</u>	<u>-1487</u>	<u>-1600</u>	<u>-1448</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 3-6 |
| 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)
 Time Tool Opened: 18:25:30
 Time Test Ended: 22:53:00
 Interval: **3160.00 ft (KB) To 3185.00 ft (KB) (TVD)**
 Total Depth: 3185.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: James Winder
 Unit No: 57
 Reference Elevations: 1910.00 ft (KB)
 1902.00 ft (CF)
 KB to GR/CF: 8.00 ft

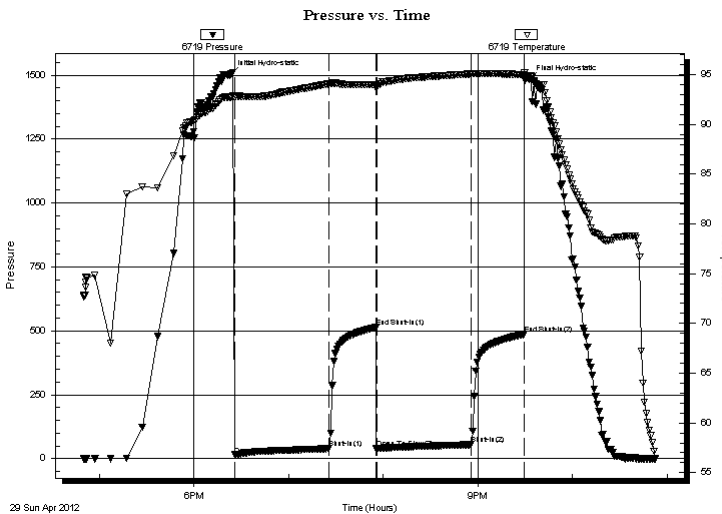
Serial #: 6719

Inside

Press @ Run Depth: 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



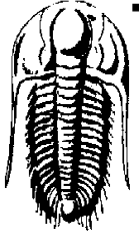
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1501.46	92.74	Initial Hydro-static
3	14.98	92.77	Open To Flow (1)
63	39.62	94.10	Shut-In(1)
92	513.28	94.01	End Shut-In(1)
93	40.23	93.87	Open To Flow (2)
153	55.09	95.08	Shut-In(2)
186	486.49	95.03	End Shut-In(2)
190	1483.87	94.88	Final Hydro-static

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

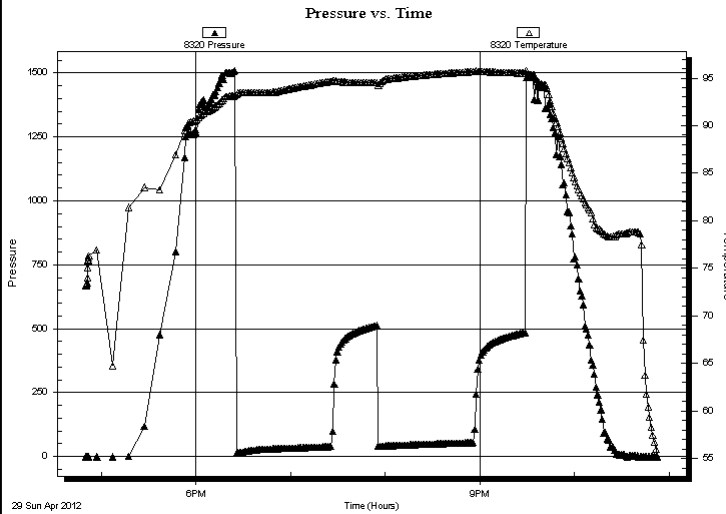
3-5s-18w Phillips,KS
Foundation #1
Job Ticket: 46152 **DST#: 1**
Test Start: 2012.04.29 @ 16:50:00

GENERAL INFORMATION:

Formation: LKC "F"	Test Type: Conventional Bottom Hole (Initial)
Deviated: No Whipstock: ft (KB)	Tester: James Winder
Time Tool Opened: 18:25:30	Unit No: 57
Time Test Ended: 22:53:00	
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 @ Run Depth: 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 - 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

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	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

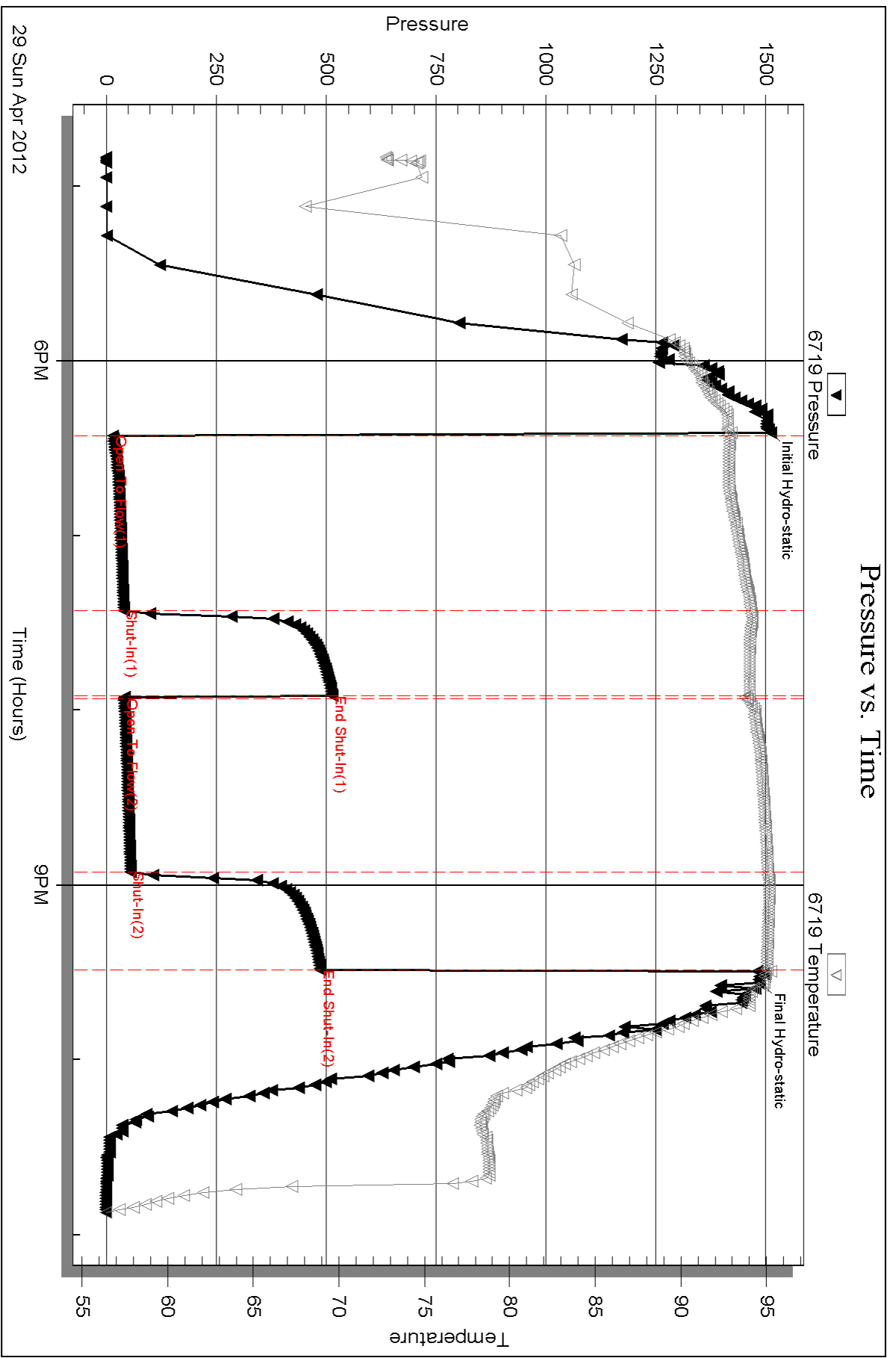
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	44000 ppm
Viscosity: 55.00 sec/qt	Cushion Volume: bbl		
Water Loss: 6.77 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 600.00 ppm			
Filter Cake: 1.00 inches			

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

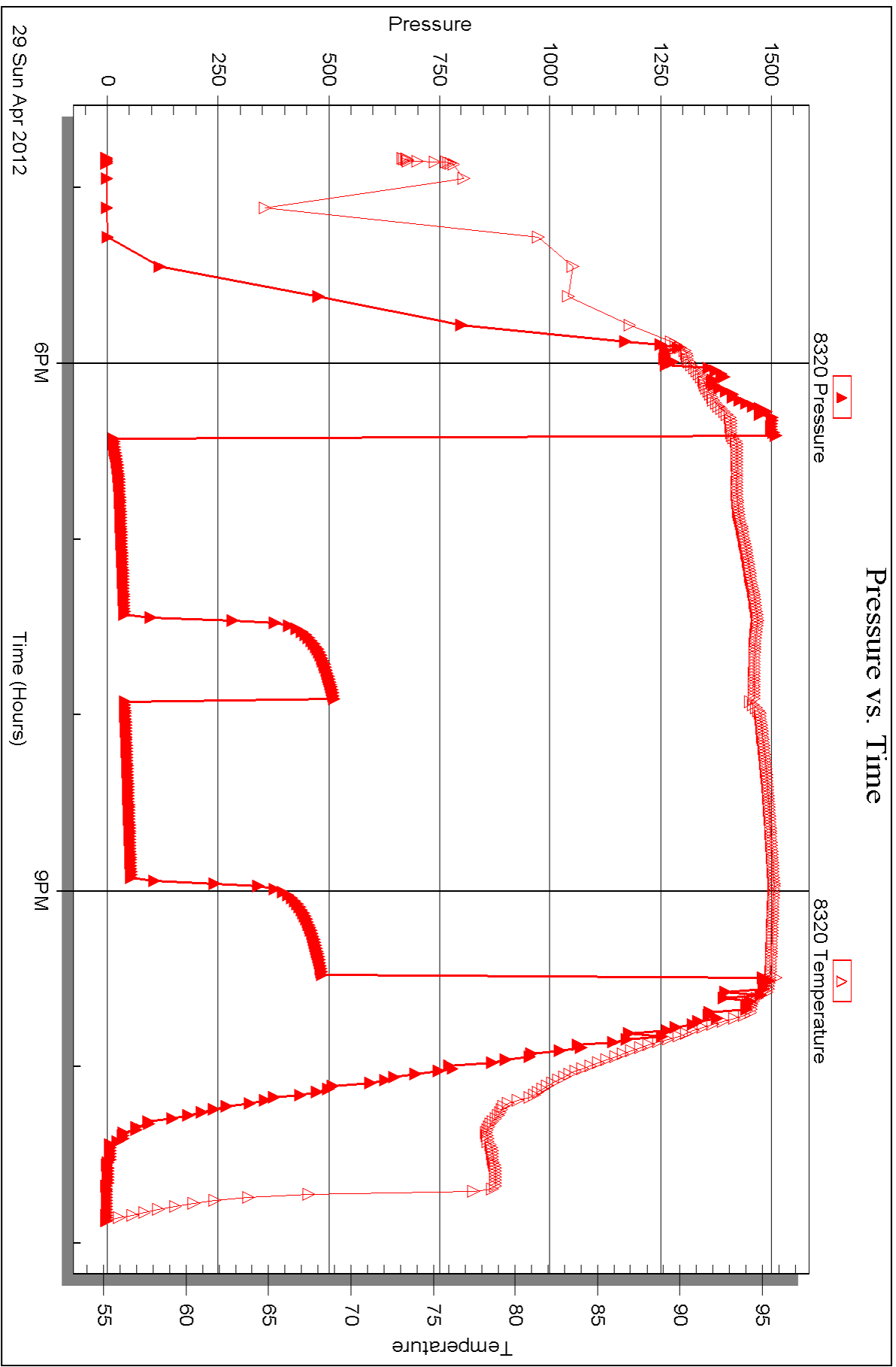


Serial #: 8320

Outside Pioneer Resources

Foundation #1

DST Test Number: 1





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

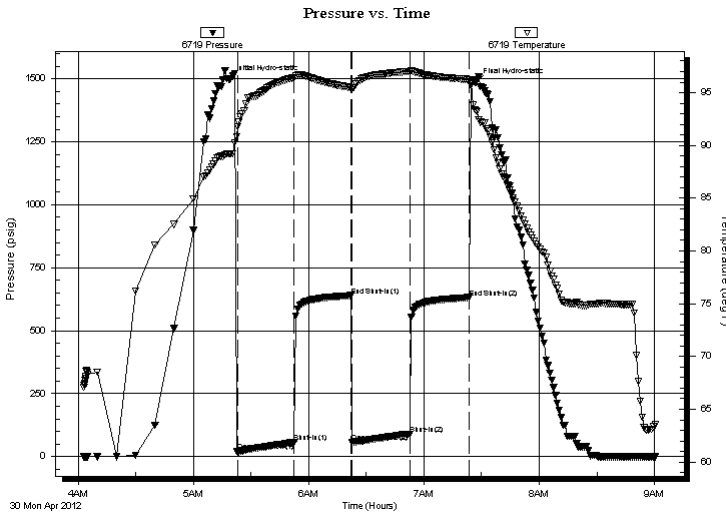
Serial #: 6719

Inside

Press @ Run Depth: 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 - 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 (Min.)	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

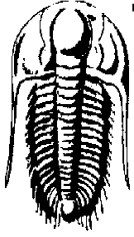
Recovery

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

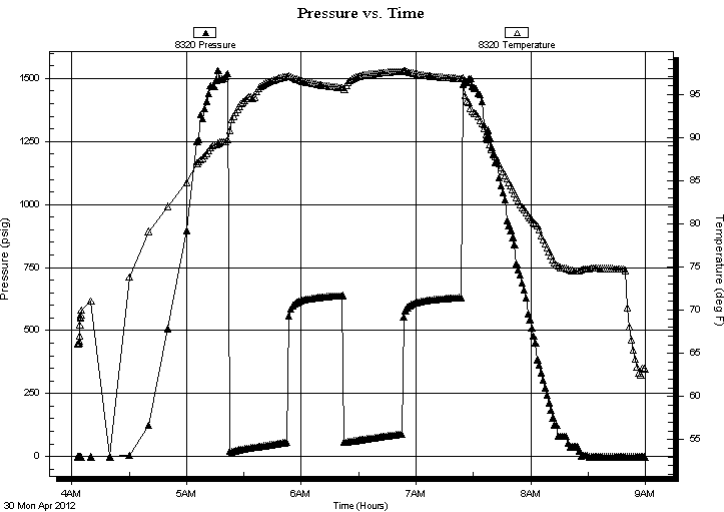
3-5s-18w Phillips, KS
Foundation #1
Job Ticket: 46153 **DST#: 2**
Test Start: 2012.04.30 @ 04:03:00

GENERAL INFORMATION:

Formation: **LKC "G"**
Deviated: **No Whipstock:** ft (KB)
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 #: 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 (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

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

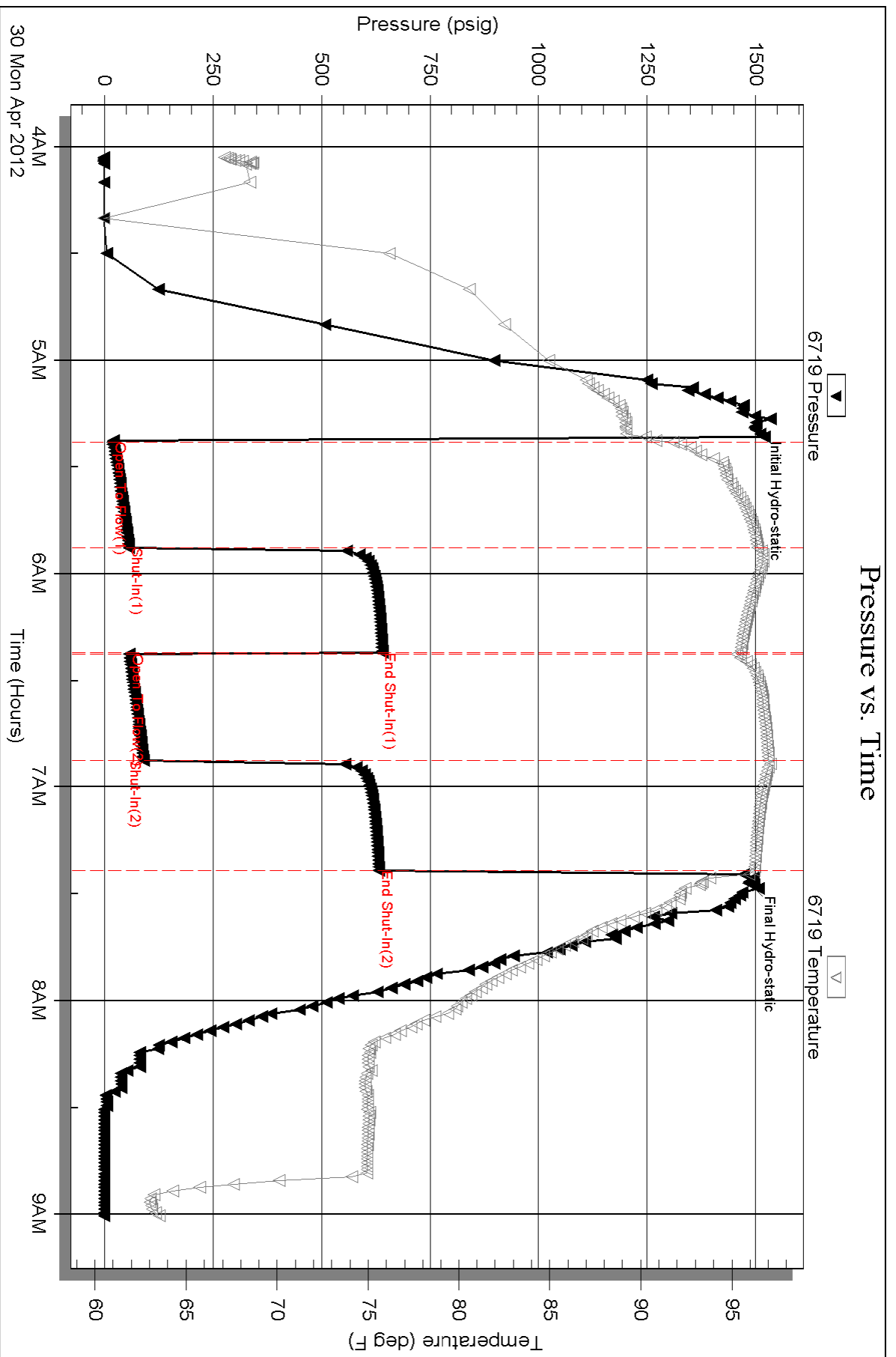
Mud Type: Gel Chem	Cushion Type:	Oil API: 36 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 45000 ppm
Viscosity: 55.00 sec/qt	Cushion Volume: bbl	
Water Loss: 6.78 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 600.00 ppm		
Filter Cake: 1.00 inches		

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	SMWCO 70%o, 23%w , 7%m	0.210
62.00	SMWCGO 91%o, 5%g, 2%m, 2%w	0.870
72.00	SMCGO 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

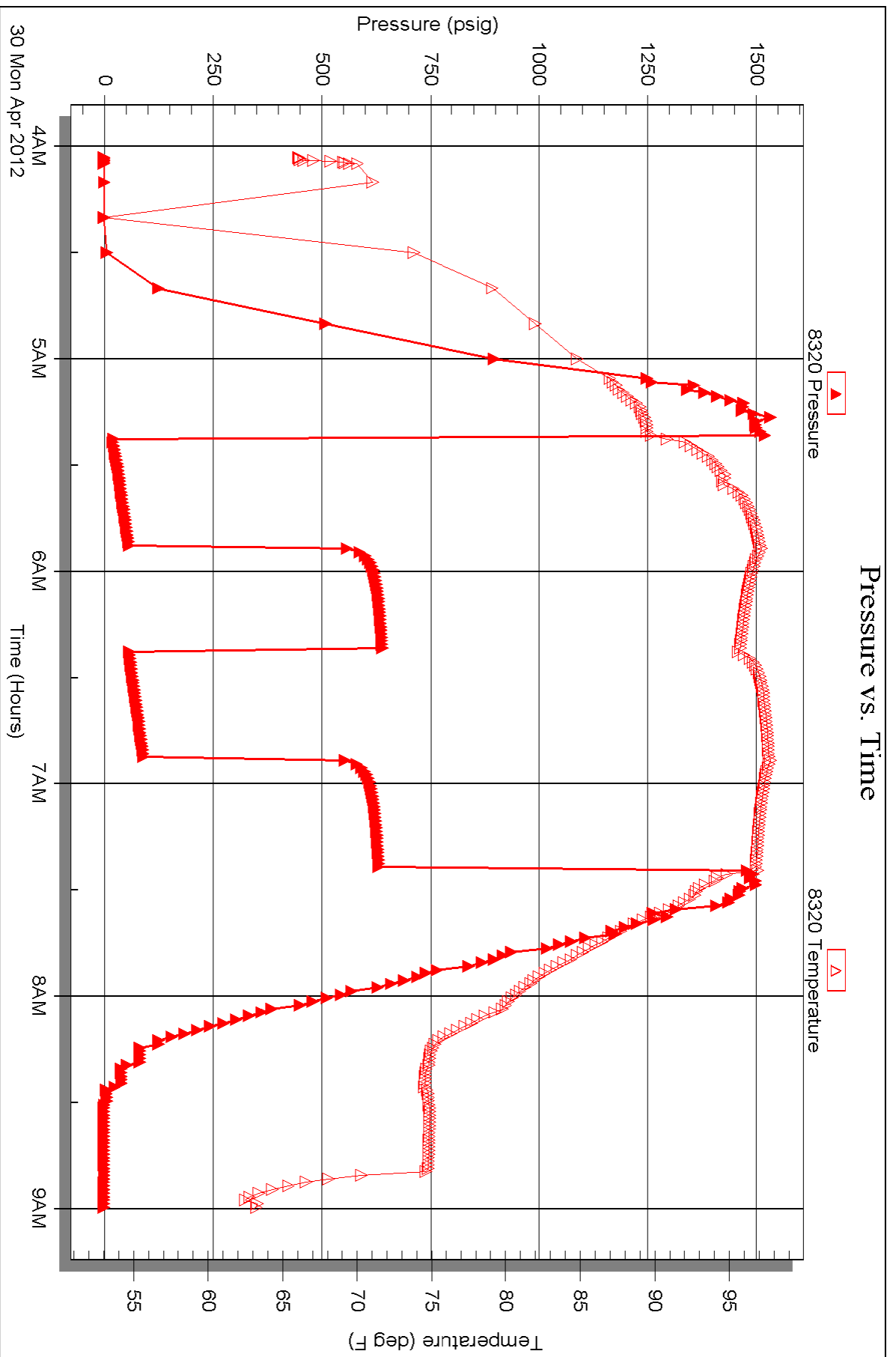


Serial #: 8320

Outside Pioneer Resources

Foundation #1

DST Test Number: 2





TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601 BY: _____

RECEIVED
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 Ottaway Rig 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 Mud Wt. 8.9
 Top Packer Depth 3155 Drill Collars Run 31 Vis 55
 Bottom Packer Depth 3160 Wt. Pipe Run - WL 6.8
 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
<u>1</u>	<u>Free Oil</u>				
<u>92</u>	<u>MCW w/trace of oil</u>	<u>-</u>	<u>trace</u>	<u>70</u>	<u>30</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

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

(A) Initial Hydrostatic 1501 Test * 1160 T-On Location 16:00
 (B) First Initial Flow 15 Jars T-Started 16:50
 (C) First Final Flow 40 Safety Joint T-Open 18:25
 (D) Initial Shut-In 513 Circ Sub *NA T-Pulled 21:29
 (E) Second Initial Flow 40 Hourly Standby T-Out 22:50
 (F) Second Final Flow 55 Mileage 116 RT 179.80 Comments Tool slid 3' to bottom before oper-
 (G) Final Shut-In 486 Sampler No mud loss (116 RT to top)
 (H) Final Hydrostatic 1484 Straddle Ruined Shale Packer
 Shale Packer Ruined Packer

Initial Open 60 Extra Packer Extra Copies
 Initial Shut-In 30 Extra Recorder Sub Total 0
 Final Flow 60 Day Standby Total 1329.80
 Final Shut-In 30 Accessibility MP/DST Disc't
 Sub Total 1329.80

Approved By _____ Our Representative James Windsor

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

RECEIVED
MAY 04 2012

Test Ticket

NO. 46153

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 "G"
 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 LCM 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 SMCGO	15	74	-	11
62	SMWCGO	5	91	2	2
15	SM/WCO	-	70	23	7
45	SO/GMCW	10	2	58	30
114	GIP=235'				

Rec Total 194 Fluid 235 GIP BHT 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 1509.60
 Total 1509.60
 MP/DST Disc't _____

Approved By _____ Our Representative James Winkler
 Tritobite 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.