

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1

January 2018

Form must be Typed

Form must be Signed

All blanks must be Filled

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

Gas DH EOR

OG GSW

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 EOR Conv. to SWD
 Plug Back Liner Conv. to GSW Conv. to Producer

Commingled Permit #: _____

Dual Completion Permit #: _____

SWD Permit #: _____

EOR Permit #: _____

GSW Permit #: _____

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No.: _____

Spot Description: _____

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

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE NW SE SW

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

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite: _____

Operator Name: _____

Lease Name: _____ License #: _____

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

County: _____ Permit #: _____

AFFIDAVIT

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

Submitted Electronically

KCC Office Use ONLY

Confidentiality Requested

Date: _____

Confidential Release Date: _____

Wireline Log Received Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT I II III Approved by: _____ Date: _____

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

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

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

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

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

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

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

Date of first Production/Injection or Resumed Production/Injection:	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____			
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)</i> <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
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Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
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Geological Report

Suppes #7

1650' FSL & 2605' FWL

Sec. 23 T19s R31w

Scott County, Kansas



Pioneer Resources, Inc.

General Data

Well Data: Pioneer Resources, Inc.
Suppes #7
1650' FSL & 2605' FWL
Sec. 23 T19s R31w
Scott County, Kansas
API # 15-171-21242-0000

Drilling Contractor: Discovery Drilling Co. Inc. Rig #4

Geologist: Jason T Alm

Spud Date: April 2, 2019

Completion Date: April 10, 2019

Elevation: 2946' Ground Level
2954' Kelly Bushing

Directions: Grigston KS, ¼ west on hwy 96. 7 ½ mi south on
Venison. East into location.

Casing: 220' 8 5/8" surface casing
4709' 5 1/2" production casing

Samples: 10' wet and dry, 3700' to RTD

Drilling Time: 3700' to RTD

Electric Logs: ELI "Jeff Luebbers"
CNL/CDL, DIL, MEL

Drillstem Tests: Two, Trilobite Testing, Inc. "Mike Roberts"

Problems: None

Remarks: Deviation 1 degrees at 4510'

Formation Tops

Formation	Pioneer Resources, Inc. Suppes #7 Sec. 23 T19s R31w 1650' FSL & 2605' FWL
Anhydrite	2269' +685
Krider	2795' +159
Topeka	3734' -780
Heebner	3946' -991
Lansing	3989' -1035
BKC	4362' -1408
Pawnee	4490' -1536
Fort Scott	4529' -1575
Cherokee	4550' -1596
Miss St. Louis	4618' -1664
Miss Spergen	4640' -1686
LTD	4710' -1756
RTD	4710' -1756

Sample Zone Descriptions

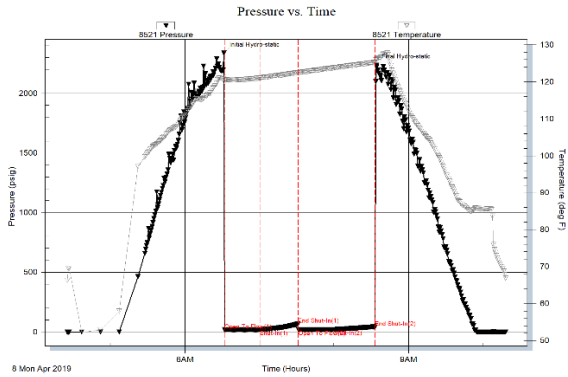
- Pawnee (4490' -1536): Covered in DST #1**
 Ls – Fine to sub-crystalline, oolitic packstone with poor to scattered fair oolitic porosity, light to fair oil stain in porosity, few rocks with light saturation, slight show of free oil, very light odor, fair yellow fluorescents, fair to good cut, 70 gas units.
- Miss St. Louis (4618' -1664): Covered in DST #2**
 Ls – Fine to sub-crystalline, oolitic packstone with poor to very poor oolitic porosity, light to scattered fair oil stain in porosity, slight show of free oil on break, chalky in part, mostly dense.
- Miss Spergen (4640' -1686): Covered in DST #2**
 Ls – Fine to sub-crystalline, oolitic in part with poor scattered oolitic and oomoldic porosity, light spotted oil stain in porosity, no show of free oil, mostly dense, 12 units hotwire.

Drill Stem Tests
 Trilobite Testing, Inc.
 "Mike Roberts"

DST #1 Pawnee

Interval (4475' – 4510') Anchor Length 35'

- | | | |
|-----|------------------------|---------|
| IHP | – 2335 # | 18-19 # |
| IFP | – 30" – Built to ¾ in. | 66 # |
| ISI | – 30" – Dead | 19-21 # |
| FFP | – 30" – Dead | 41 # |
| FSI | – 30" – Dead | |
| FHP | – 2235 # | |
| BHT | – 126°F | |

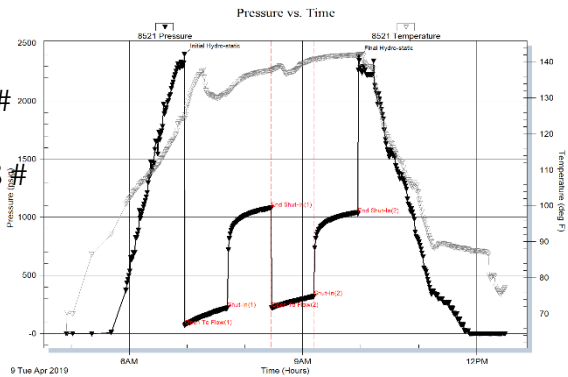


Recovery: 2' Mud w/ oil spots

DST #2 Mississippi Spergen

Interval (4566' – 4654') Anchor Length 88'

- | | | |
|-----|------------------------|-----------|
| IHP | – 2399 # | 68-219 # |
| IFP | – 45" – B.O.B. 12 min. | 1079 # |
| ISI | – 45" – Dead | 219-318 # |
| FFP | – 45" – B.O.B. 17 min, | 1027 # |
| FSI | – 45" – Built to 2 in. | |
| FHP | – 2381 # | |
| BHT | – 142°F | |



Recovery: 218' GIP
 62' GCO
 402' GOCM
 156' SOCWM
 32' GCWM

10% Oil
 2% Oil, 3% Water
 45% Water

Structural Comparison

Formation	Pioneer Resources, Inc. Suppes #7 Sec. 23 T19s R31w 1650' FSL & 2605' FWL	Brehm Asset Mgt Braeden #2 Sec. 23 T19s R31w 1650' FSL & 2296' FEL	H&B Petroleum, Inc. Suppes #1 Sec. 23 T19s R31w 1410' FSL & 1760' FWL
Anhydrite	2269' +685	2263' +685	FL
Krider	2795' +159	2790' +158	(+1)
Topeka	3734' -780	3730' -782	(+2)
Heebner	3946' -991	3940' -992	(+1)
Lansing	3989' -1035	3982' -1034	(-1)
BKC	4362' -1408	4362' -1415	(+7)
Pawnee	4490' -1536	4486' -1538	(+2)
Fort Scott	4529' -1575	4526' -1578	(+3)
Cherokee	4550' -1596	4548' -1600	(+4)
Miss St. Louis	4618' -1664	4618' -1670	(+6)
Miss Spergen	4640' -1686	4640' -1691	(+5)

Summary

The location for the Suppes #7 well was found via 3-D seismic survey. The new well ran structurally slightly lower than expected via the survey. Two Drill Stem Tests were conducted, one of which recovered commercial amounts of oil from the Mississippian Spergen Formation. After all gathered data had been examined the decision was made to run 5 ½ inch production casing to further evaluate the Suppes #7 well.

Recommended perforations

Mississippian Spergen 4641' – 4644' DST #2

Respectfully Submitted,

Jason T Alm
Hard Rock Consulting, Inc.



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Pioneer Resources Inc.

23-19s-31w Scott Co KS

80 Windmill Dr.
Phillipsburg KS
67661
ATTN: Jason Alm

Suppes #7

Job Ticket: 65132

DST#: 1

Test Start: 2019.04.08 @ 04:25:15

GENERAL INFORMATION:

Formation: **Pawnee**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:31:45

Time Test Ended: 10:18:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Mike Roberts

Unit No: 81

Interval: 4475.00 ft (KB) To 4510.00 ft (KB) (TVD)

Reference Elevations: 2954.00 ft (KB)

Total Depth: 4510.00 ft (KB) (TVD)

2946.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8521 Inside

Press@RunDepth: 20.63 psig @ 4476.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2019.04.08

End Date:

2019.04.08

Last Calib.:

2019.04.08

Start Time:

04:25:15

End Time:

10:18:00

Time On Btm:

2019.04.08 @ 06:31:15

Time Off Btm:

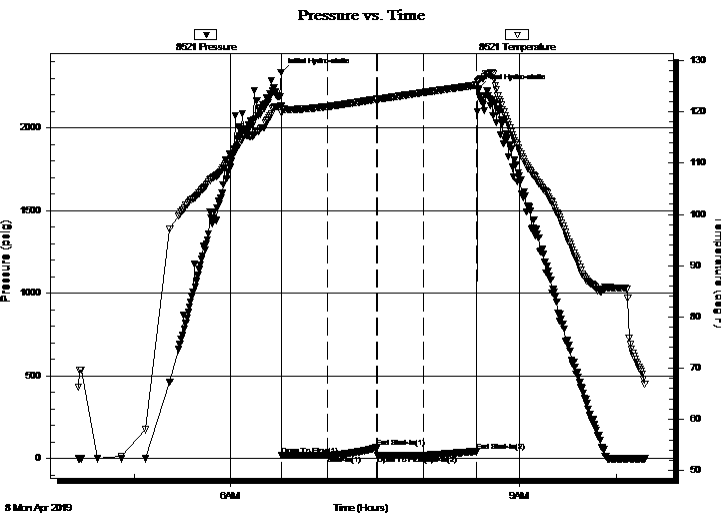
2019.04.08 @ 08:34:00

TEST COMMENT: IF: Built to 3/4" and died to 1/2" blow

IS: No return blow

FF: No blow

FS: No return blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2335.43	121.11	Initial Hydro-static
1	18.23	119.82	Open To Flow (1)
29	19.62	121.04	Shut-In(1)
60	66.06	122.48	End Shut-In(1)
60	19.63	122.44	Open To Flow (2)
89	20.63	123.78	Shut-In(2)
122	40.78	125.22	End Shut-In(2)
123	2235.20	125.97	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2.00	mud with oil spots	0.01

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Pioneer Resources Inc.

23-19s-31w Scott Co KS

80 Windmill Dr.
Phillipsburg KS
67661

Suppes #7

Job Ticket: 65132

DST#: 1

ATTN: Jason Alm

Test Start: 2019.04.08 @ 04:25:15

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 47.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.98 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2.00	mud w ith oil spots	0.010

Total Length: 2.00 ft Total Volume: 0.010 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

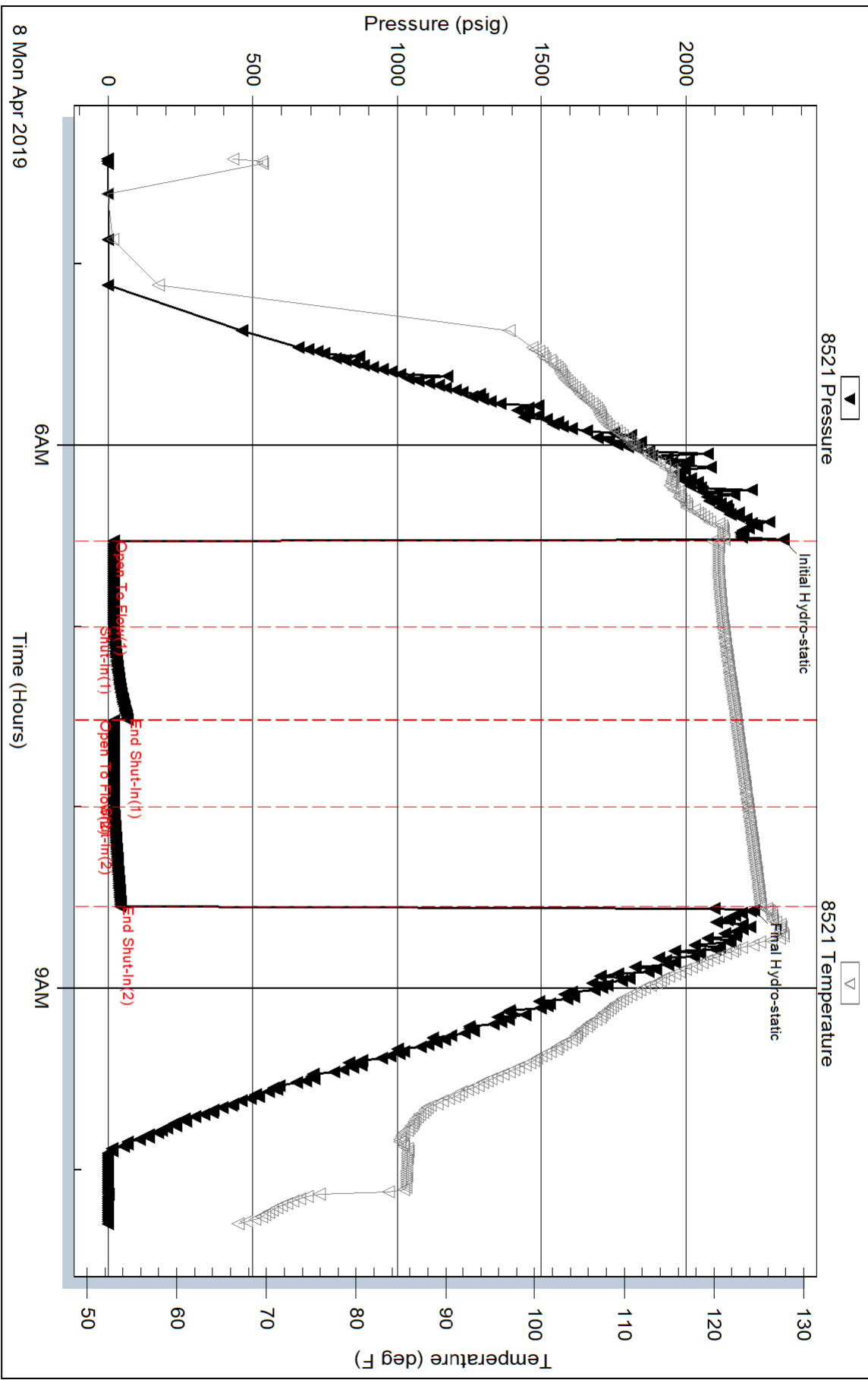
Serial #:

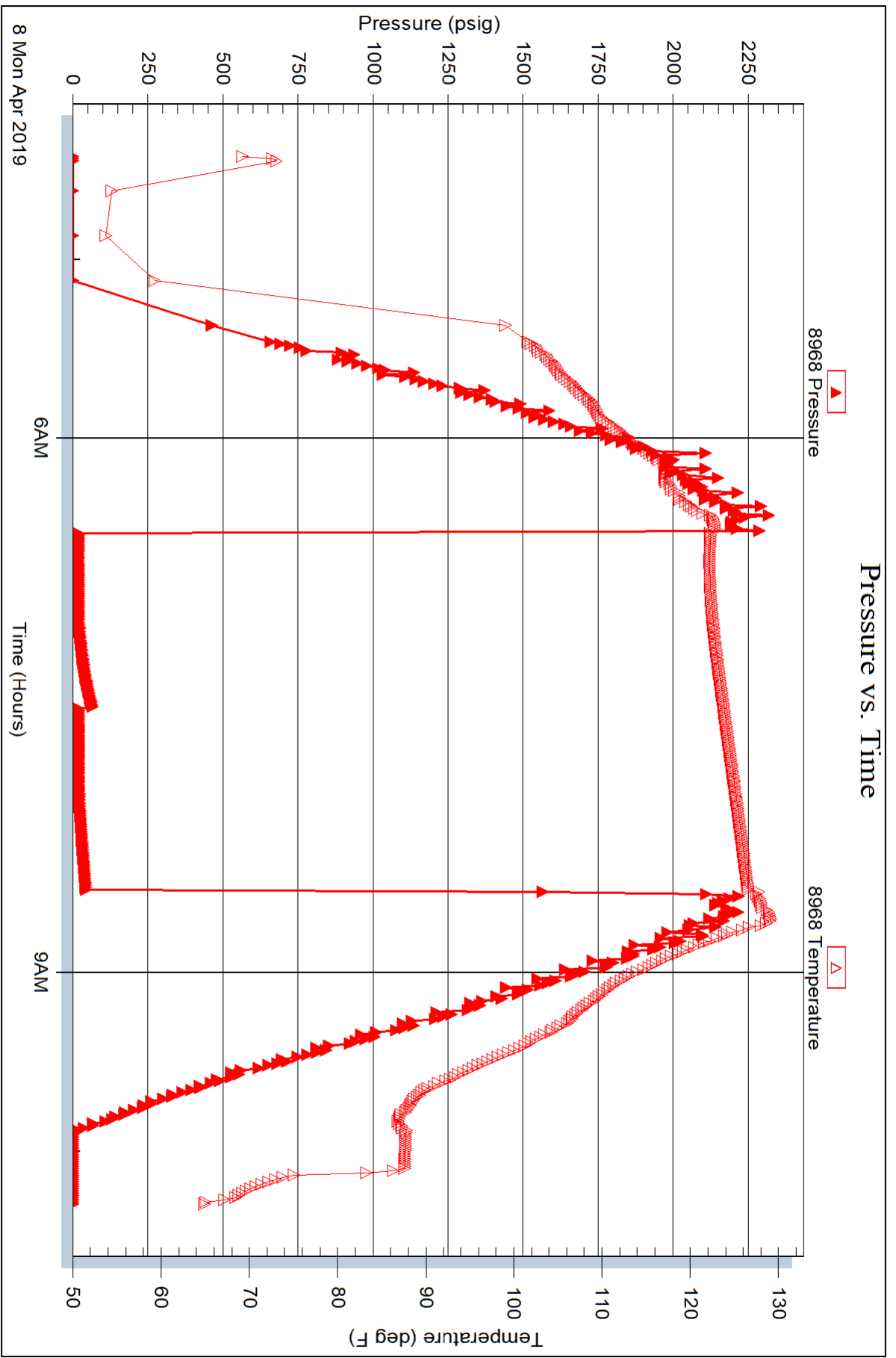
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time







TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Pioneer Resources Inc.

23-19s-31w Scott Co KS

80 Windmill Dr.
Phillipsburg KS
67661
ATTN: Jason Alm

Suppes #7

Job Ticket: 65133

DST#: 2

Test Start: 2019.04.09 @ 04:54:15

GENERAL INFORMATION:

Formation: **Miss Spergen**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:57:15

Time Test Ended: 12:30:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Mike Roberts

Unit No: 81

Interval: 4566.00 ft (KB) To 4654.00 ft (KB) (TVD)

Reference Elevations: 2954.00 ft (KB)

Total Depth: 4654.00 ft (KB) (TVD)

2946.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8521 Inside

Press@RunDepth: 318.07 psig @ 4634.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2019.04.09 End Date: 2019.04.09

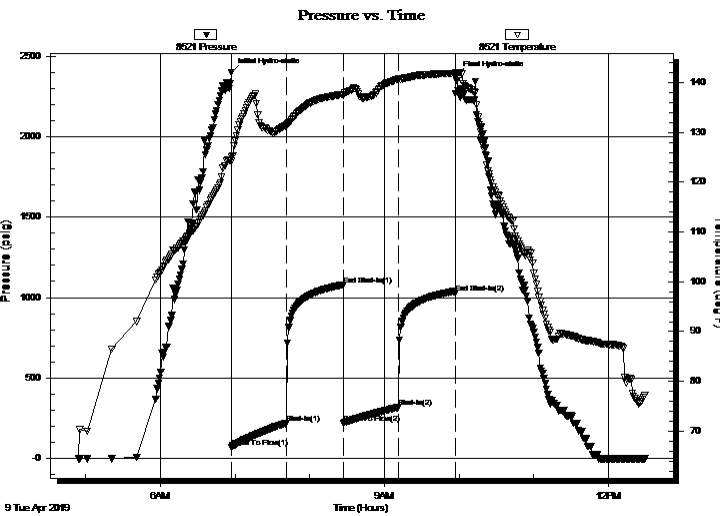
Last Calib.: 2019.04.09

Start Time: 04:54:15 End Time: 12:30:00

Time On Btm: 2019.04.09 @ 06:57:00

Time Off Btm: 2019.04.09 @ 09:58:00

TEST COMMENT: IF: Built to 30" blow BOB in 12 min.
IS: No return blow
FF: Built to 18" blow BOB in 17 min
FS: No return blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2399.25	125.16	Initial Hydro-static
1	68.35	124.22	Open To Flow (1)
45	219.27	131.42	Shut-In(1)
90	1078.55	137.63	End Shut-In(1)
91	219.64	137.37	Open To Flow (2)
135	318.07	140.74	Shut-In(2)
180	1027.31	141.80	End Shut-In(2)
181	2380.76	141.75	Final Hydro-static

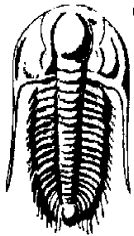
Recovery

Length (ft)	Description	Volume (bbl)
32.00	gcw m 5%g 45%w 50%m (collar)	0.16
156.00	vsocw m 2%o 3%w 5%g 90%m	2.19
402.00	gocm 5%g 10%o 85%m	5.64
62.00	free oil 100%o	0.87
0.00	GIP= 218 ft	0.00

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Pioneer Resources Inc.

23-19s-31w Scott Co KS

80 Windmill Dr.
Phillipsburg KS
67661

Suppes #7

Job Ticket: 65133

DST#: 2

ATTN: Jason Alm

Test Start: 2019.04.09 @ 04:54:15

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

27 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

14000 ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbf

Water Loss: 7.59 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
32.00	gcw m 5%g 45%w 50%m (collar)	0.157
156.00	vsocw m 2%o 3%w 5%g 90%m	2.188
402.00	gocm 5%g 10%o 85%m	5.639
62.00	free oil 100%o	0.870
0.00	GIP= 218 ft	0.000

Total Length: 652.00 ft Total Volume: 8.854 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

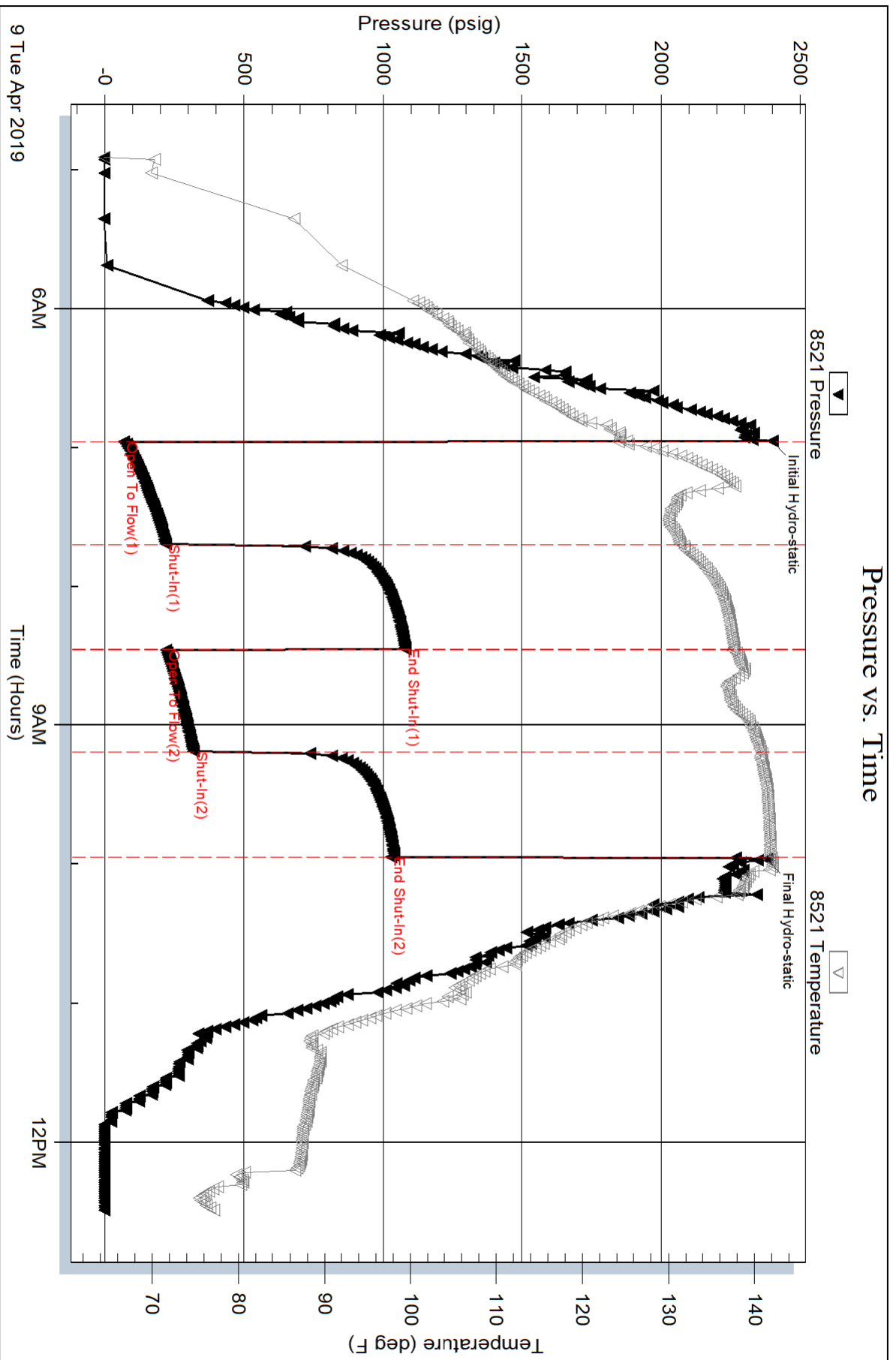
Laboratory Name:

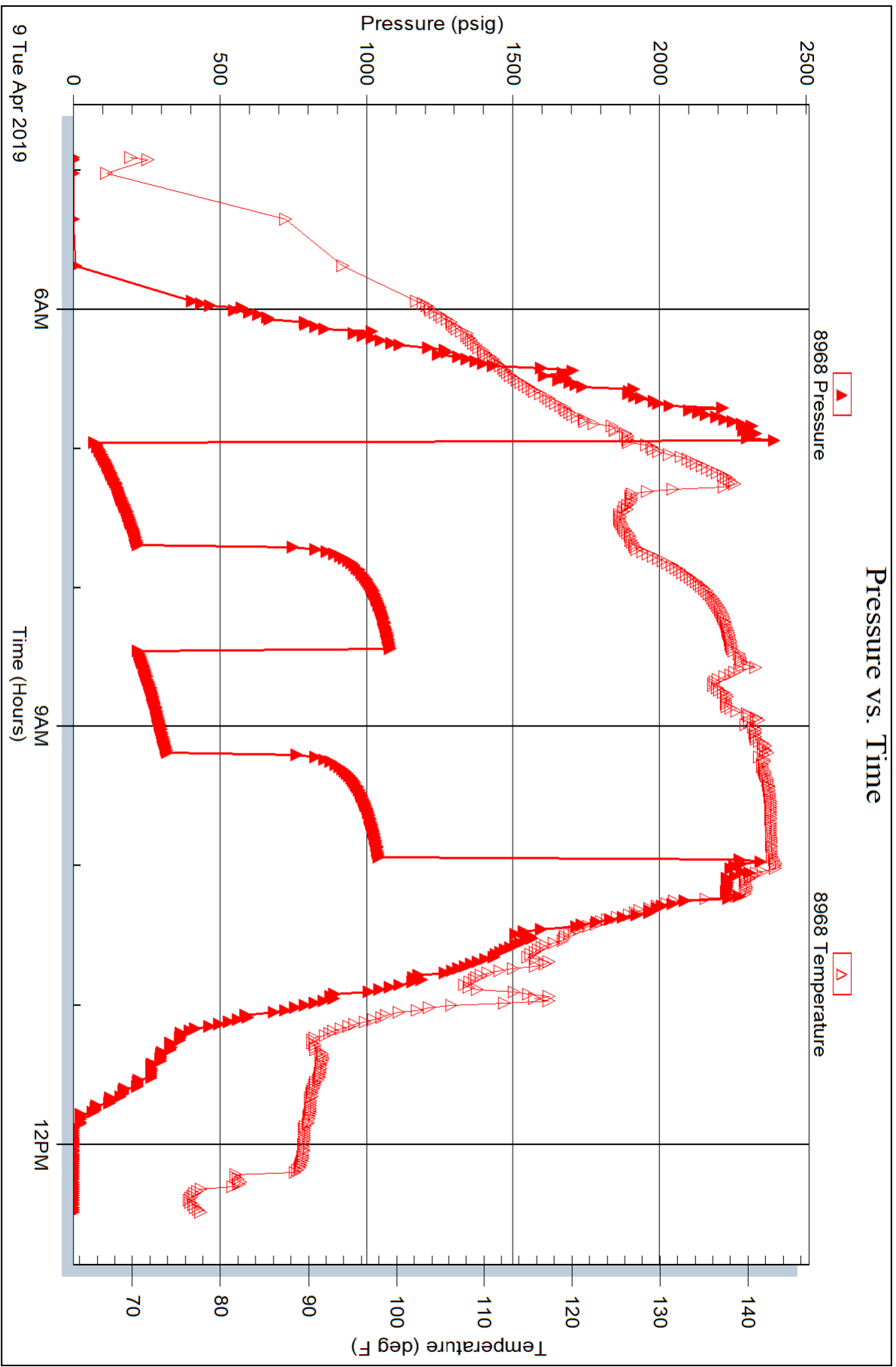
Laboratory Location:

Recovery Comments: RW= .589 @ 73.2= 14,000 ppm

API= 28 @ 70 corrected to 27@ 60

Pressure vs. Time







CHARGE TO: Pioneer Resources
 ADDRESS
 CITY, STATE, ZIP CODE

TICKET 002186

PAGE 1 OF 2

SERVICE LOCATIONS

1. Hobbsville KS WELL/PROJECT NO. #7 LEASE Suppos COUNTY/PARISH Scott STATE KS CITY Grinston DATE 10 APR 19 OWNER
 2. TICKET TYPE SERVICE SALES CONTRACTOR RIG NAME/NO. SHIPPED VIA DELIVERED TO ORDER NO.
 3. WELL TYPE Development WELL CATEGORY Development JOB PURPOSE convert storage long string WELL PERMIT NO. WELL LOCATION
 4. REFERRAL LOCATION INVOICE INSTRUCTIONS

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.	U/M	QTY.	U/M	UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
575					MILEAGE	70	mi			5.00	250.00
579					Pump Charge	1	ea			1800.00	1800.00
402					Cap. 4" x 20" 202	5 1/2	in			70.00	700.00
407					Insert 1 foot shoe w/ 4000 fill	5 1/2	in			325.00	325.00
411					Rac 1000 5' holder	5 1/2	in			45.00	1665.00
478					DV tool	5 1/2	in			3375.00	3375.00
477					DV tool plus 1/2 hole	5 1/2	in			200.00	200.00

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY provisions.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS.

X

DATE SIGNED

TIME SIGNED

A.M. P.M.

REMIT PAYMENT TO:

SWIFT SERVICES, INC.
 P.O. BOX 466
 NESS CITY, KS 67560
 785-798-2300

SURVEY
 OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?
 WE UNDERSTOOD AND MET YOUR NEEDS?
 OUR SERVICE WAS PERFORMED WITHOUT DELAY?
 WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?
 ARE YOU SATISFIED WITH OUR SERVICE?
 YES NO

AGREE UNDECIDED DISAGREE

PAGE TOTAL

TAX

TOTAL

8315.00
 10906.23
 11,271.95

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.

SWIFT OPERATOR

APPROVAL

Thank You!

GLOBAL OIL FIELD SERVICES, LLC

0013407

REMIT TO 24 S. I. Lincoln
Russell, KS 67665

SERVICE POINT: Russell KS

DATE <u>4-2-19</u>	SEC. <u>23</u>	TWP. <u>19</u>	RANGE <u>31W</u>	CALLED OUT	ON LOCATION	JOB START	JOB FINISH <u>10/15/19</u>
LEASE <u>SUPPES</u>	WELL # <u>7</u>	LOCATION <u>2 miles S of Russell, KS</u>			COUNTY <u>Scott</u>	STATE <u>KS</u>	
OLD OR NEW (CIRCLE ONE)		<u>Face 1</u>					

CONTRACTOR Discovery Drilling Rig # 4

TYPE OF JOB Surface

HOLE SIZE _____ I.D. 260'

CASING SIZE _____ DEPTH 214

TUBING SIZE _____ DEPTH _____

DRILL PIPE _____ DEPTH _____

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. _____

PERFS _____

DISPLACEMENT _____

OWNER B.P. Rogers Resources

CEMENT AMOUNT ORDERED 150000 lbs 36" 2 1/2" 60'

EQUIPMENT

PUMP TRUCK CEMENTER 5000

417 HELPER 5000

BULK TRUCK

417 DRIVER Tom

BULK TRUCK

_____ DRIVER _____

COMMON _____ @ _____

POZMIX _____ @ _____

GEL _____ @ _____

CHLORIDE _____ @ _____

ASC _____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

HANDLING _____ @ _____

MILEAGE _____ @ _____

TOTAL _____

REMARKS:

On 5/19 at 8:50 am, bit head 14' D.
Base Cement 7' bent 1/2" Tank + cement
12000 lbs of cement displaced 12' at 150T
450 + shut in

Cement 2' D.P. Circulation to Surface

CHARGE TO: Proser Resources

STREET _____

CITY _____ STATE _____ ZIP _____

SERVICE

DEPTH OF JOB _____

PUMP TRUCK CHARGE _____

EXTRA FOOTAGE _____ @ _____

MILEAGE _____ @ _____

MANIFOLD _____ @ _____

_____ @ _____

TOTAL _____

Global Oil Field 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 GALEN GASCHNER

SIGNATURE [Signature]

PLUG & FLOAT EQUIPMENT

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

TOTAL _____

SALES TAX (If Any) _____

TOTAL CHARGES _____

DISCOUNT _____ IF PAID IN 30 DAYS

Prepared by:
Dreiling Enterprises, LLC
Preston L. Dreiling
815 Main Street
Victoria, KS 67671
(785) 639-2099

April 10, 2019

Prepared for: Rodger Wells

Pipe Set

Suppes #7
Sec 23, Twp 19S, R 31W
Scott Co., KS

Pioneer Resources
80 Windmill Drive
Phillipsburg, KS 67661

Pioneer Resources
 Suppes #7
 Wednesday April 10, 2019

T.D. 4710' Anhydrite 2268' - 2285'
 Shoe joint #1 (42.42').
 D.V. tool on top of joint #57 (2276').

Total 5 1/2" 15.5# casing
 Float Equipment
 Landing Joint

4688.39
 + 3.00
 4691.39
 + 8.00
 4699.39

Pipe set at 4699'.

10:55 a.m. Start in the hole with casing. Run joint #1 through joint #10, run joint #112, run joints #11 through joint #57. D.V. tool on top of joint #57. Run joints #58 through joint #111. Joints #113 and 114 are out (58.63').
 Scratchers on joints #2, #3, #4, #5, #6, #7, #8, #9, and #10.
 Centralizers on joints #2, #3, #5, #7, #9, #11, #13, #15, #20, and #56.
 Baskets on joints #4, #21, and #57.
 12:50 p.m. Tag bottom and rig up Swift.
 1:00 p.m. Break circulation. Reciprocate pipe, pump Desco flush and thin mud down to a 37 viscosity.
 2:35 p.m. Pump 500 gallons of mud flush and 20 barrels of KCL.
 2:45 p.m. Plug rat hole with 30 sacks and mouse hole with 20 sacks. Start mixing down hole, mixed 75 sacks SMD at 12.5#, tailed in with 100 sacks of EA-2 at 15.3#. Washed up lines.
 3:15 p.m. Start displacement. 90 barrels-300#, 95 barrels-350#, 100 barrels-500#, 105 barrels-550#, 110 barrels-650#.
 3:37 p.m. 110 3/4 barrels land plug with 1500#. Released to truck-held. Open D.V. tool and circulate.
 6:15 p.m. Pump 500 gallons of mud flush.
 6:25 p.m. Start mixing down hole, mixed 275 sacks SMD. Washed up lines.
 7:05 p.m. Start displacement. Had 400# of lift pressure.
 7:19 p.m. Land plug with 54 barrels at 1400#. Released to truck-held. Cement did circulate.

