



1245664

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 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				

Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 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)*

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
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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 <i>(Explain)</i> _____
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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> <input type="checkbox"/> Other <i>(Specify)</i> _____ <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	McElvain Energy, Inc.
Well Name	Spalsbury 3-2 #1
Doc ID	1245664

All Electric Logs Run

Mud Log
Dual Induction
Dual Compensated Porosity Log
Microresistivity Log
Borehole Compensated Sonic
Cement Bond Log

Form	ACO1 - Well Completion
Operator	McElvain Energy, Inc.
Well Name	Spalsbury 3-2 #1
Doc ID	1245664

Tops

Name	Top	Datum
Stone Corral	1750	565
Base Stone Corral	1790	565
Wellington Salt	2126	186
Base Wellington Salt	2252	63
Chase	2513	-198
Admire	2934	-619
Wabunsee	3192	-877
Topeka	3365	-1050
Heebner	3575	-1260
Lansing	3608	-1293
LKC "C"	3646	-1331
LKC "F"	3689	-1374
LKC "G"	3702	-1397
LKC "H"	3714	-1409
LKC "I"	3752	-1447
LKC "J"	3779	-1474
LKC "K"	3798	-1493
Base KC	3840	-1652

ALLIED OIL & GAS SERVICES, LLC 064845

Federal Tax I.D. # 20-8661475

REMIT TO P.O. BOX 93999
SOUTHLAKE, TEXAS 76092

SERVICE POINT:

Oakley, KS

DATE <u>12-20-14</u>	SEC <u>3</u>	TWP <u>12S</u>	RANGE <u>21W</u>	CALLED OUT	ON LOCATION <u>(12-19-14) 10:30am</u>	JOB START <u>4:30am 5:00am</u>	JOB FINISH <u>9:15am 9:45am</u>
LEASE <u>Spalsbury</u>	WELL # <u>3-2-1</u>	LOCATION <u>Riga Rd N to Rd G</u>	COUNTY <u>Trego</u>		STATE <u>KS</u>		
OLD OR NEW (Circle one) <u>NEW</u>				<u>1/2 E, Sinto</u>			

CONTRACTOR Val 6
 TYPE OF JOB Production (2 stage)
 HOLE SIZE 7 7/8 TD 4081'
 CASING SIZE 4 1/2 (10.5") DEPTH 4081'
 TUBING SIZE _____ DEPTH _____
 DRILL PIPE _____ DEPTH 2142'
 TOOL DN STEEL _____ DEPTH _____
 PRES. MAX _____ MINIMUM _____
 MEAS. LINE _____ SHOE JOINT 21.28
 CEMENT LEFT IN CSG. 21.28'
 PERFS. _____
 DISPLACEMENT Bot - 40 1/2" 25 1/2" mud
 Top 34.05 6 1/2" 1 1/2" EQUIPMENT

OWNER Same
 CEMENT AMOUNT ORDERED 465 sks AMG 1/4"
Flo-seal 195 sks ASC 10 1/2" ext
5# gilsonite 2 1/2 gal 15 1/2" 1/2" 1/2"
 COMMON _____ @ _____
 POZMIX _____ @ _____
 GBL _____ @ _____
 CHLORIDE _____ @ _____
 ASC 195 sks @ 23.50 4582.50
AMG 465 sks @ 31.00 14415.00
Flo-seal 116 # @ 2.97 344.52
gilsomite 975 # @ .98 955.50
Flr 160 58 # @ 18.90 1096.20
Deframer 36 # @ 3.50 105.00
Material Total @ 21498.72
(6019.64/28%)
 HANDLING 786.86 ft³ @ 2.48 1951.91
 MILEAGE 34.85 mi @ 45 mi @ 2.75 432.67

PUMP TRUCK CEMENTER Paul Beaver
 # 120 HELPER Flyr Pierce/Jean S
 BULK TRUCK # 600 DRIVER Shawn Tatro
 BULK TRUCK # 566/575 DRIVER Jean I (TWS)

REMARKS:

Run Pipe/Floater equip, Drop ball, pumped ball through shoe @ 500', mix 195 sks AMG, tail w/ 195 sks ASC. Displace w/ water mud, plug did land @ 1900', Lift 700' opened tool @ 900' are 4 hrs, mix 30 sks in R.H, mix 15 sks in m.H, mix 225 sks AMG, Displace w/ water, plug did land @ 2500', Lift 800' Tool did close, cement did circ

TOTAL _____
 SERVICE
 DEPTH OF JOB 4081' 2142'
 PUMP TRUCK CHARGE 2765.75, 2406.25
 EXTRA FOOTAGE @ _____
 MILEAGE MILV 45 @ 7.90 346.50
 MANIFOLD Head @ _____
MILV 45 @ 4.40 198.00
waiting time 4 hrs @ 440.00 1760.00
(3924.36/88%) TOTAL 14,015.60

CHARGE TO: McElvain Energy
 STREET _____
 CITY _____ STATE _____ ZIP _____
10802 2nd
1st - 688L

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.

PLUG & FLOAT EQUIPMENT
Weather faced (2 1/2")
 APU Float shoe @ 425.00
 Latch down Floater Assy @ 685.00
 B/TOP @ 4830.00
 centralizers A @ 57.00 456.00
 Turbolizers 10 @ 70.00 700.00
 Baskets 2 @ 312.00 624.00
(2211.44/28%) TOTAL 7,890.00

SALES TAX (if Any) _____
 TOTAL CHARGES 43,412.32
 DISCOUNT 12,155.44 (28%) IF PAID IN 30 DAYS
31,256.87 Net
Bid

RECEIVED

PRINTED NAME Rodney Bennett
 SIGNATURE Rodney Bennett

MAR 16 2015
 McElvain Energy, Inc.
 Denver Office



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

McElvain Energy Inc
 1050 17th St
 STE 2500
 Denver Co 80265-2080
 ATTN: Jim McKinney, Rodney

3-12s-21w Trego
Spalsbury 3-2#1
 Job Ticket: 61134 **DST#: 1**
 Test Start: 2014.12.14 @ 06:00:56

GENERAL INFORMATION:

Formation: **Topeka**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 08:25:51
 Time Test Ended: 12:41:50
 Interval: **3370.00 ft (KB) To 3396.00 ft (KB) (TVD)**
 Total Depth: 3396.00 ft (KB) (TVD)
 Hole Diameter: 7.85 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Ray Schwager
 Unit No: 70
 Reference Elevations: 2315.00 ft (KB)
 2305.00 ft (CF)
 KB to GR/CF: 10.00 ft

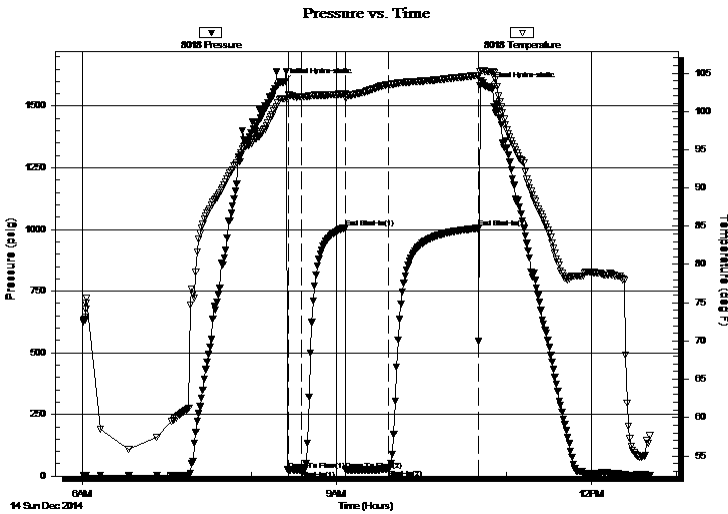
Serial #: 8018

Inside

Press @ Run Depth: 25.98 psig @ 3371.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.12.14 End Date: 2014.12.14 Last Calib.: 2014.12.14
 Start Time: 06:00:56 End Time: 12:41:50 Time On Btm: 2014.12.14 @ 08:22:21
 Time Off Btm: 2014.12.14 @ 10:46:20

TEST COMMENT: 10-IFP-w k bl thru-out 1/2" to 1" bl
 30-ISIP-no bl
 60-FFP-surface bl, died in 10 min
 120-FSIP-no bl

PRESSURE SUMMARY



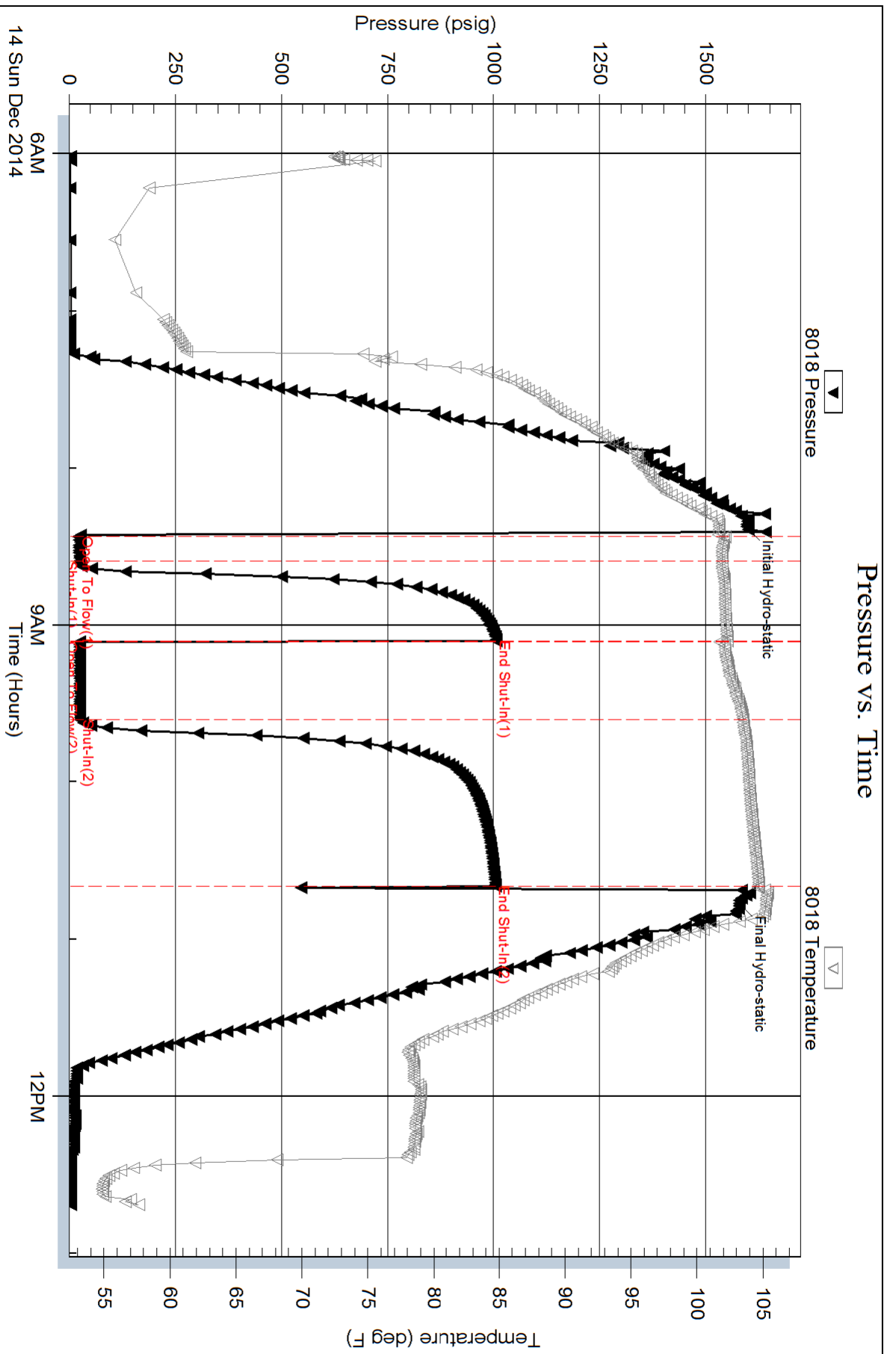
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1595.67	101.69	Initial Hydro-static
4	23.93	102.16	Open To Flow (1)
13	25.08	101.91	Shut-In(1)
44	1007.54	102.31	End Shut-In(1)
44	25.67	101.71	Open To Flow (2)
74	25.98	103.49	Shut-In(2)
138	1005.10	104.70	End Shut-In(2)
144	1578.14	105.22	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	Mud	0.14

Gas Rates

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

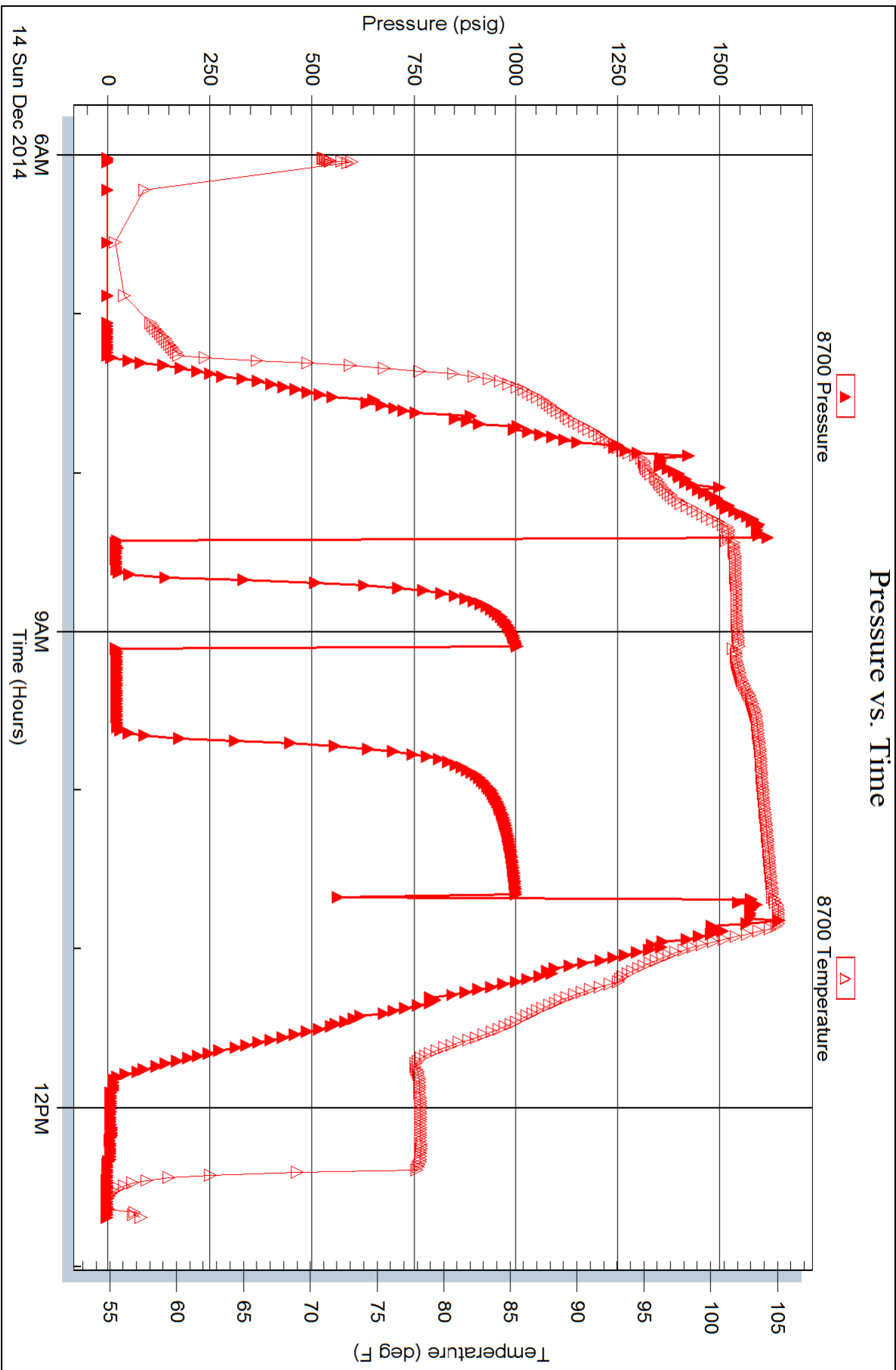


Serial #: 8700

Outside McElvain Energy Inc

Spalsbury 3-2#1

DST Test Number: 1





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

McElvain Energy Inc
 1050 17th St
 STE 2500
 Denver Co 80265-2080
 ATTN: Jim McKinney, Rodney

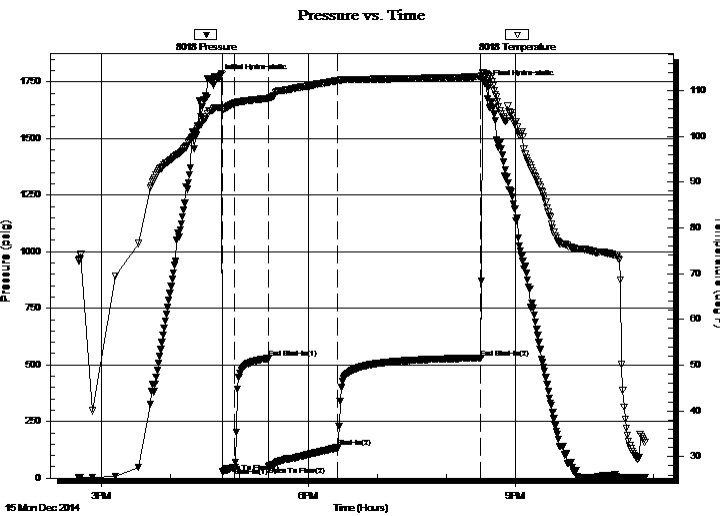
3-12s-21w Trego
Spalsbury 3-2#1
 Job Ticket: 61135 **DST#: 2**
 Test Start: 2014.12.15 @ 14:40:12

GENERAL INFORMATION:

Formation: **LKC C-F**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 16:45:37 Tester: Ray Schwager
 Time Test Ended: 22:53:06 Unit No: 70
 Interval: **3635.00 ft (KB) To 3716.00 ft (KB) (TVD)** Reference Elevations: 2315.00 ft (KB)
 Total Depth: 3716.00 ft (KB) (TVD) 2305.00 ft (CF)
 Hole Diameter: 7.85 inches Hole Condition: Fair KB to GR/CF: 10.00 ft

Serial #: 8018 Inside
 Press @ Run Depth: 134.89 psig @ 3637.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.12.15 End Date: 2014.12.15 Last Calib.: 2014.12.15
 Start Time: 14:40:12 End Time: 22:53:06 Time On Btm: 2014.12.15 @ 16:42:07
 Time Off Btm: 2014.12.15 @ 20:34:36

TEST COMMENT: 10-IFP-w k to a fr bl 1/2" to 6" bl
 30-ISIP-no bl
 60-FFP-w k to a strg bl in 40 min , BOB
 120-FSIP-surface bl bk



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1766.19	106.28	Initial Hydro-static
4	27.36	105.97	Open To Flow (1)
14	48.23	107.26	Shut-In(1)
43	528.35	108.28	End Shut-In(1)
44	53.08	108.22	Open To Flow (2)
104	134.89	112.17	Shut-In(2)
228	530.62	113.04	End Shut-In(2)
233	1739.97	113.61	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
250.00	GIP	3.51
125.00	HO&GCM 10%G35%O55%M	1.75
130.00	O&GCM 10%G10%O80%M	1.82

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

McElvain Energy Inc

3-12s-21w Trego

1050 17th St
STE 2500
Denver Co 80265-2080
ATTN: Jim McKinney, Rodney

Spalsbury 3-2#1

Job Ticket: 61135

DST#: 2

Test Start: 2014.12.15 @ 14:40:12

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 53.00 sec/qt
Water Loss: 7.38 in³
Resistivity: ohm.m
Salinity: 2700.00 ppm
Filter Cake: 1.00 inches

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

Oil API: deg API
Water Salinity: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
250.00	GIP	3.507
125.00	HO&GCM 10%G35%O55%M	1.753
130.00	O&GCM 10%G10%O80%M	1.824

Total Length: 505.00 ft Total Volume: 7.084 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: Sampler Data: PSI 170 # 200ML Gas 700 ML Oil 1100ML mud

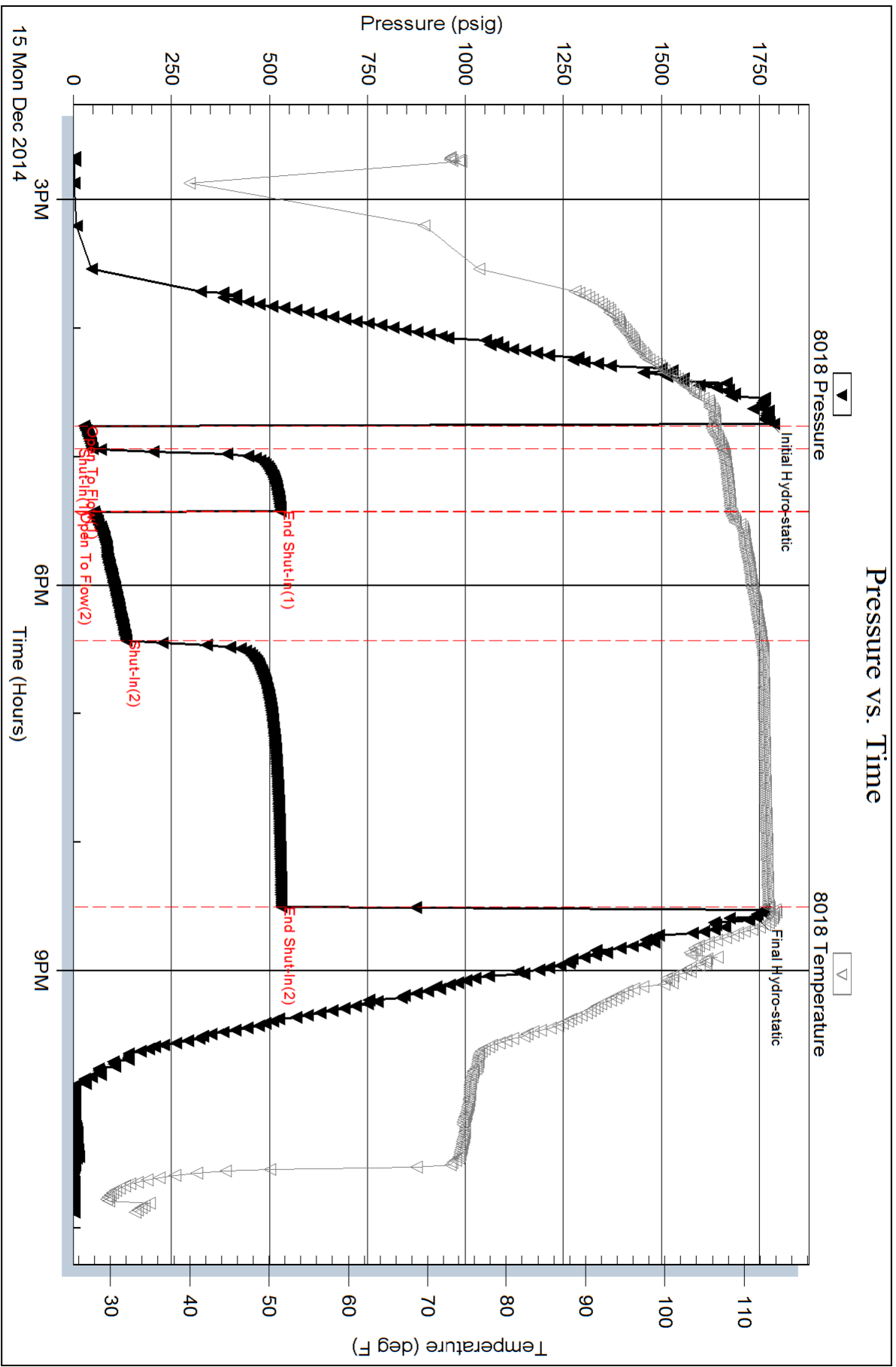
Serial #: 8018

Inside

McElvain Energy Inc

Spalsbury 3-2#1

DST Test Number: 2



Triobite Testing, Inc

Ref. No: 61135

Printed: 2014.12.16 @ 05:39:45

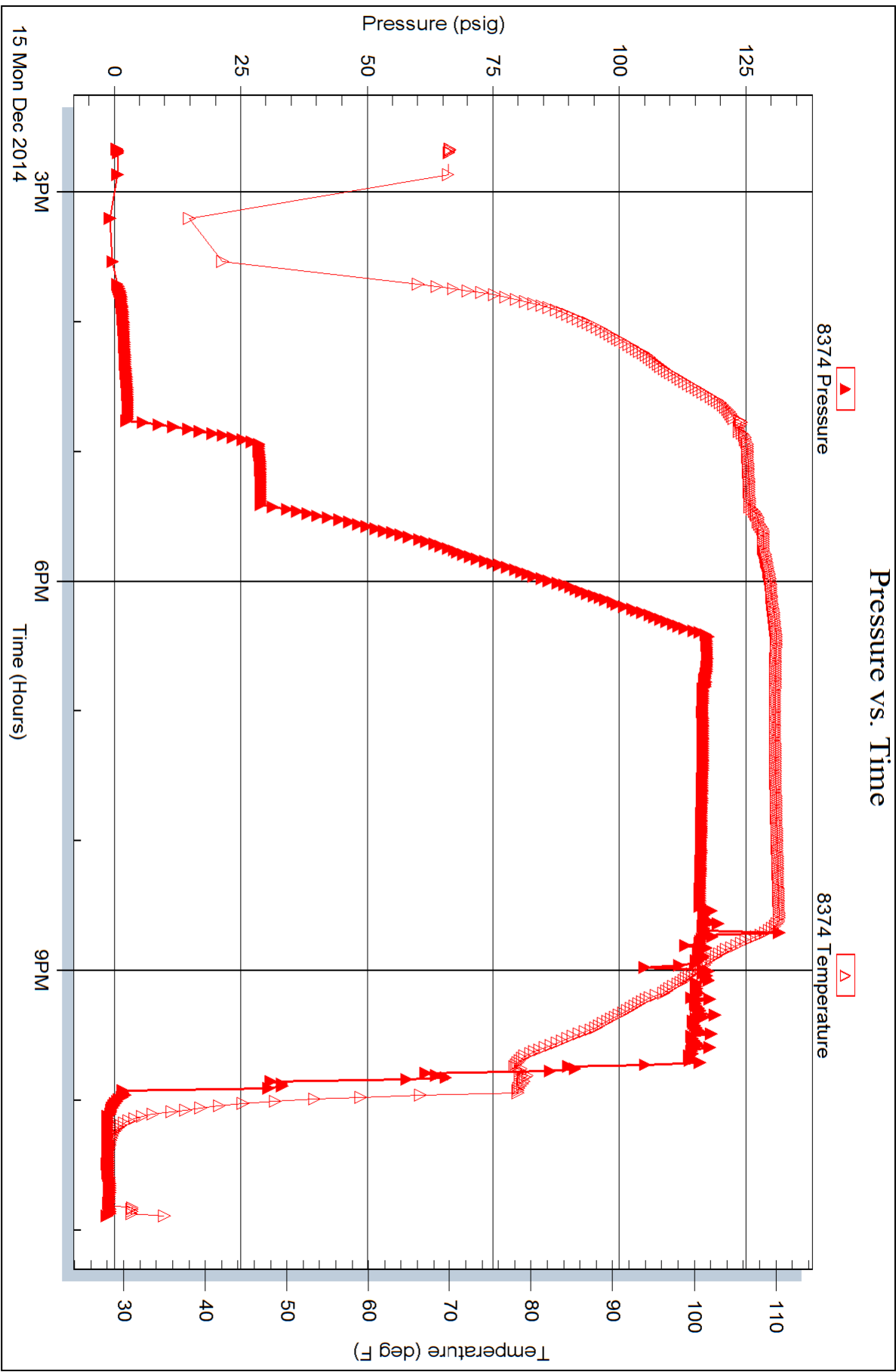
Serial #: 8374

Fluid

McElvain Energy Inc

Spalsbury 3-2#1

DST Test Number: 2





TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

McElvain Energy Inc
 1050 17th St
 STE 2500
 Denver Co 80265-2080
 ATTN: Jim McKinney, Rodney

3-12s-21w Trego
Spalsbury 3-2#1
 Job Ticket: 61136 **DST#: 3**
 Test Start: 2014.12.16 @ 16:00:27

GENERAL INFORMATION:

Formation: **LKC I-K**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 18:00:22
 Time Test Ended: 01:04:22
 Interval: **3755.00 ft (KB) To 3810.00 ft (KB) (TVD)**
 Total Depth: 3810.00 ft (KB) (TVD)
 Hole Diameter: 7.85 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Ray Schwager
 Unit No: 70
 Reference Elevations: 2315.00 ft (KB)
 2305.00 ft (CF)
 KB to GR/CF: 10.00 ft

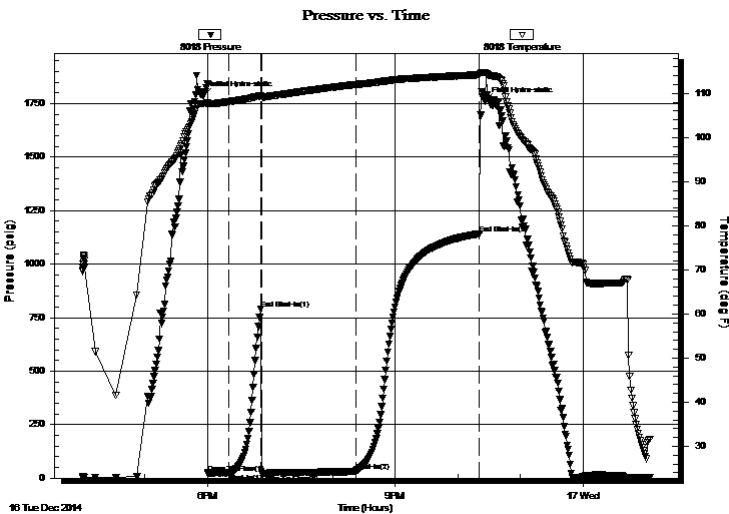
Serial #: 8018

Inside

Press@RunDepth: 33.69 psig @ 3757.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.12.16 End Date: 2014.12.17 Last Calib.: 2014.12.17
 Start Time: 16:00:27 End Time: 01:04:22 Time On Btm: 2014.12.16 @ 17:56:22
 Time Off Btm: 2014.12.16 @ 22:25:51

TEST COMMENT: 20-IFP-w k bl thru-out 1/4"to 1"bl
 30-ISIP-no bl
 90-FFP-w k to a gd bl 2"to 7 1/4"bl
 120-FSIP-no bl

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1788.89	107.65	Initial Hydro-static
4	23.65	107.45	Open To Flow (1)
25	22.03	108.13	Shut-In(1)
55	789.23	109.46	End Shut-In(1)
56	19.66	109.22	Open To Flow (2)
146	33.69	112.00	Shut-In(2)
265	1142.60	114.22	End Shut-In(2)
270	1761.55	114.76	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	295' GIP	0.00
5.00	CO	0.07
15.00	O&GCM 10%G25%O65%M	0.21

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

McElvain Energy Inc

3-12s-21w Trego

1050 17th St
STE 2500
Denver Co 80265-2080
ATTN: Jim McKinney, Rodney

Spalsbury 3-2#1

Job Ticket: 61136

DST#: 3

Test Start: 2014.12.16 @ 16:00:27

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 52.00 sec/qt
Water Loss: 7.40 in³
Resistivity: ohm.m
Salinity: 2600.00 ppm
Filter Cake: 1.00 inches

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

Oil API: 38 deg API
Water Salinity: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	295' GIP	0.000
5.00	CO	0.070
15.00	O&GCM 10%G25%O65%M	0.210

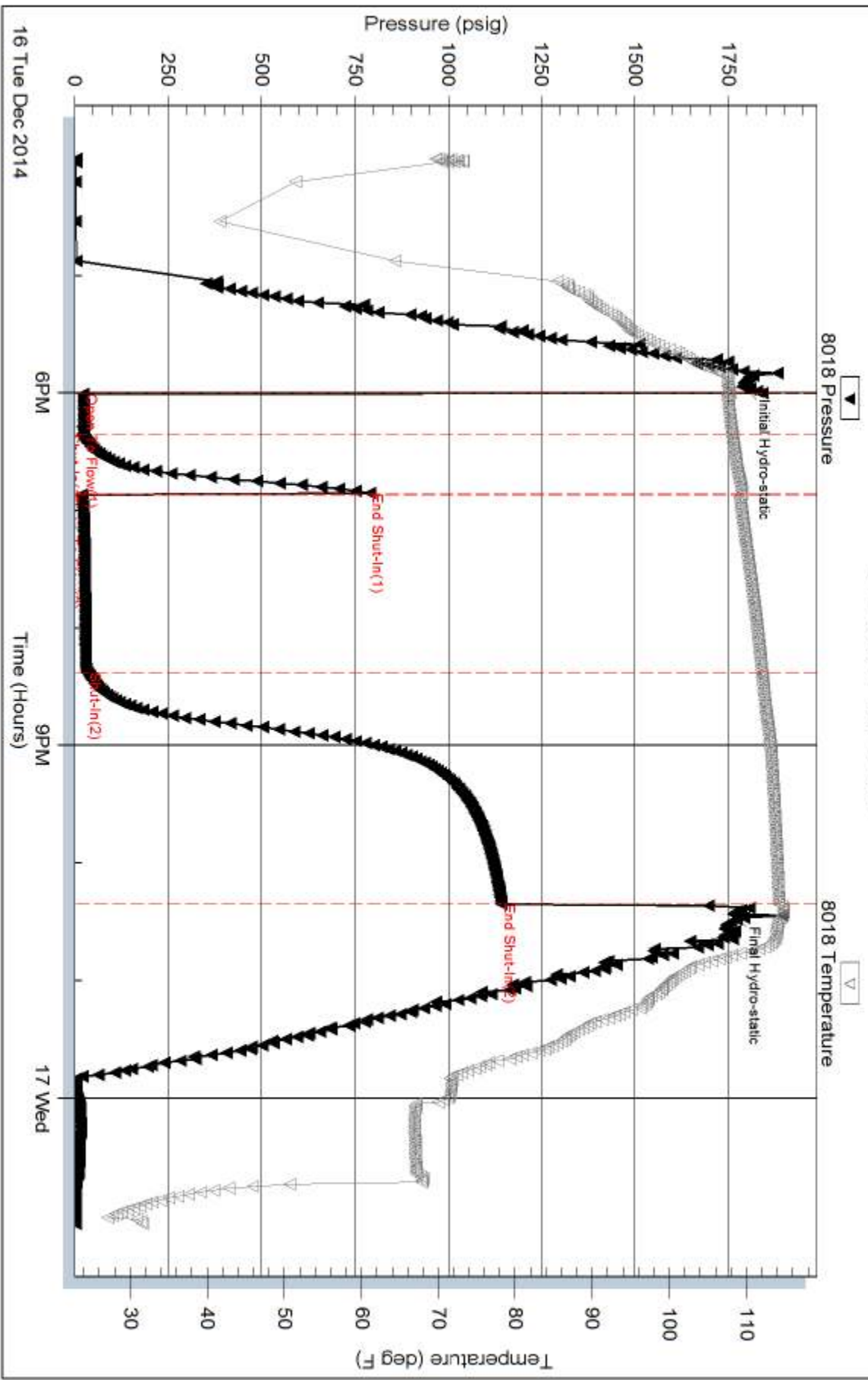
Total Length: 20.00 ft Total Volume: 0.280 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: Sampler Data: PSI:50 # 500MLoil 200ML gas 1300ML mud

Pressure vs. Time



Serial #: 8374

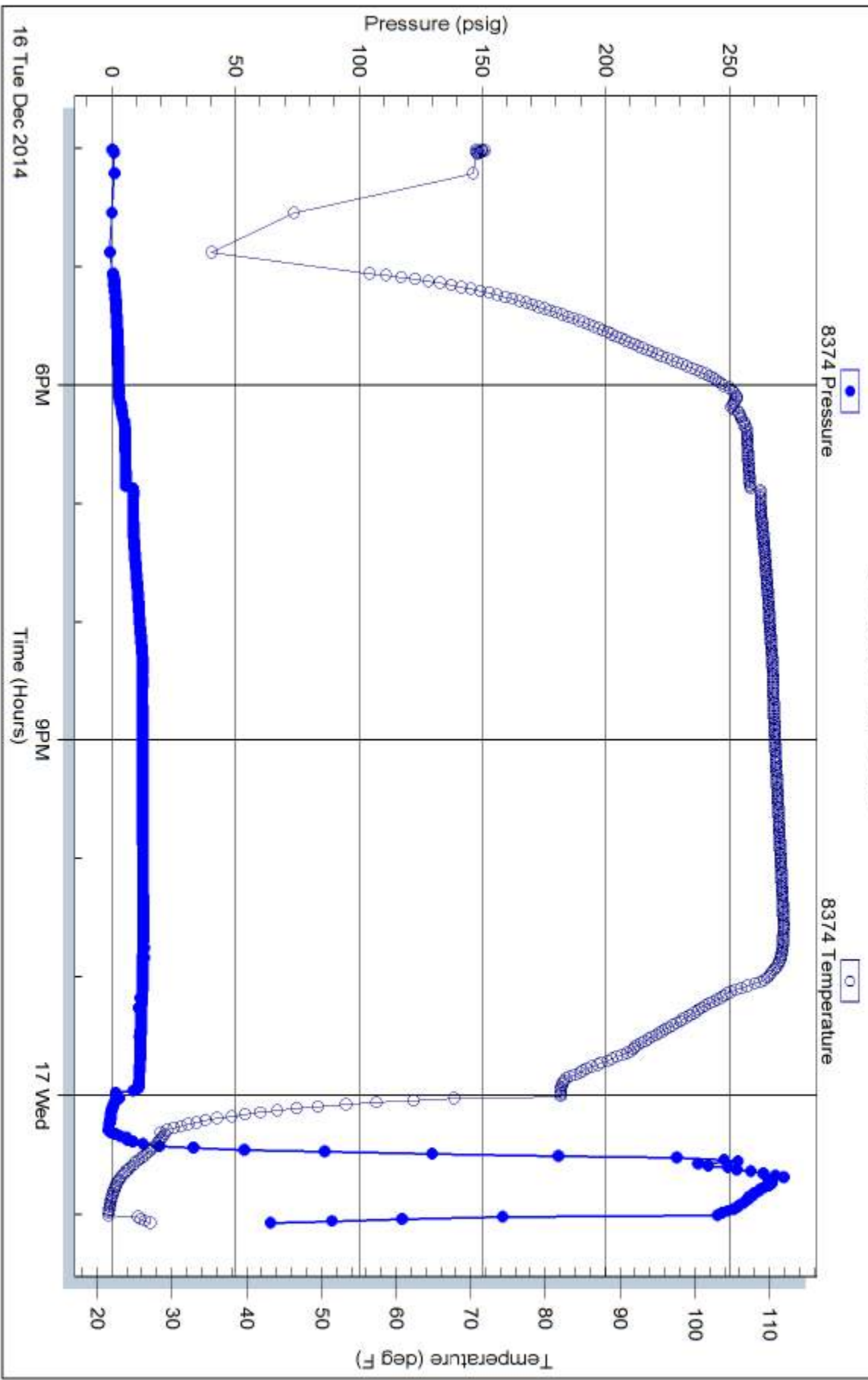
Fluid

McElvain Energy Inc

Spalsbury 3-2#1

DST Test Number: 3

Pressure vs. Time



Trilobite Testing, Inc

Ref. No: 61136

Printed: 2014.12.17 @ 08:13:25



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

McElvain Energy Inc
 1050 17th St
 STE 2500
 Denver Co 80265-2080
 ATTN: Jim McKinney, Rodney

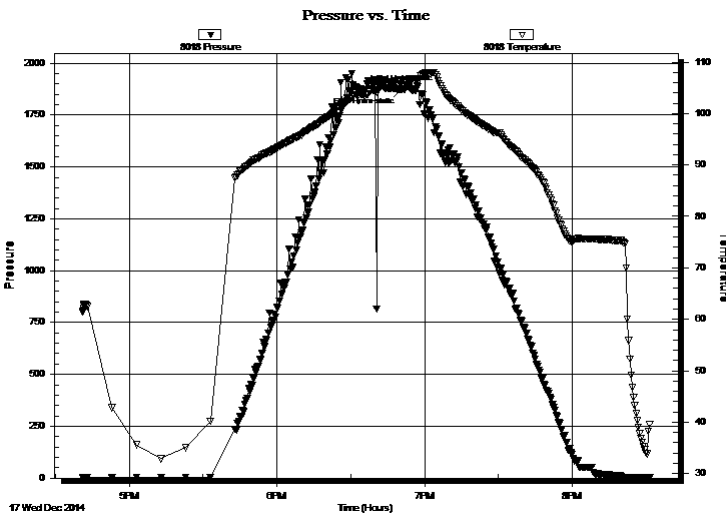
3-12s-21w Trego
Spalsbury 3-2#1
 Job Ticket: 61137 **DST#: 4**
 Test Start: 2014.12.17 @ 16:41:01

GENERAL INFORMATION:

Formation: **Pawnee**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 18:30:00
 Time Test Ended: 20:31:26
Interval: 3884.00 ft (KB) To 3925.00 ft (KB) (TVD)
 Total Depth: 3925.00 ft (KB) (TVD)
 Hole Diameter: 7.85 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Ray Schwager
 Unit No: 70
 Reference Elevations: 2315.00 ft (KB)
 2305.00 ft (CF)
 KB to GR/CF: 10.00 ft

Serial #: 8018 Inside
 Press@RunDepth: psig @ 3889.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.12.17 End Date: 2014.12.17 Last Calib.: 2014.12.17
 Start Time: 16:41:01 End Time: 20:31:26 Time On Btm: 2014.12.17 @ 18:35:26
 Time Off Btm: 2014.12.17 @ 18:50:26

TEST COMMENT: IFP-set tool twice , no packer seat



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1872.44	103.67	Initial Hydro-static
15	1874.60	106.26	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
105.00	mud	1.47

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

McElvain Energy Inc

3-12s-21w Trego

1050 17th St
STE 2500
Denver Co 80265-2080
ATTN: Jim McKinney, Rodney

Spalsbury 3-2#1

Job Ticket: 61137

DST#: 4

Test Start: 2014.12.17 @ 16:41:01

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 54.00 sec/qt
Water Loss: 7.59 in³
Resistivity: ohm.m
Salinity: 2600.00 ppm
Filter Cake: 1.00 inches

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

Oil API: deg API
Water Salinity: ppm

Recovery Information

Recovery Table

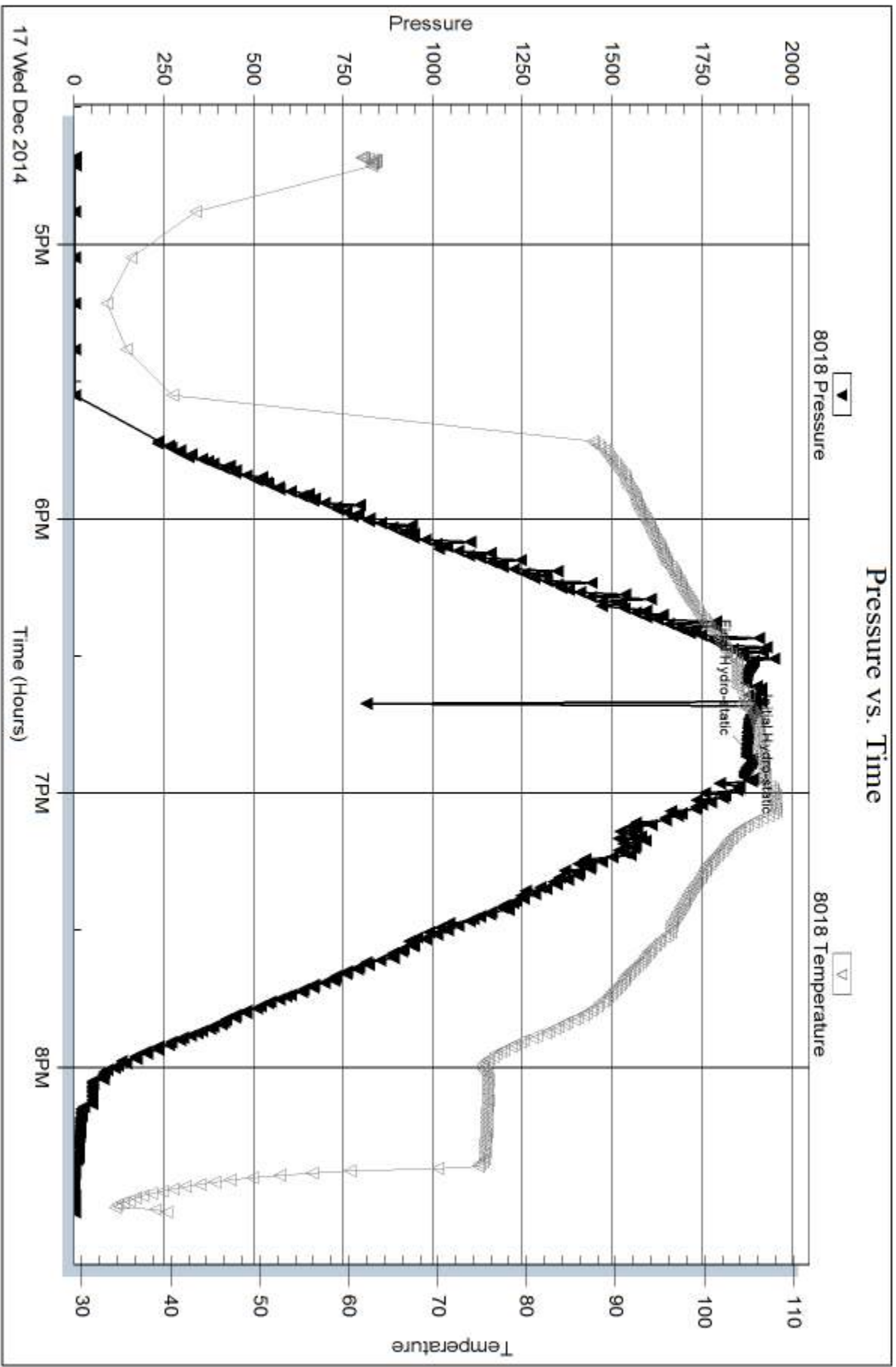
Length ft	Description	Volume bbl
105.00	mud	1.473

Total Length: 105.00 ft Total Volume: 1.473 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: Sampler Data: 2000ML mud



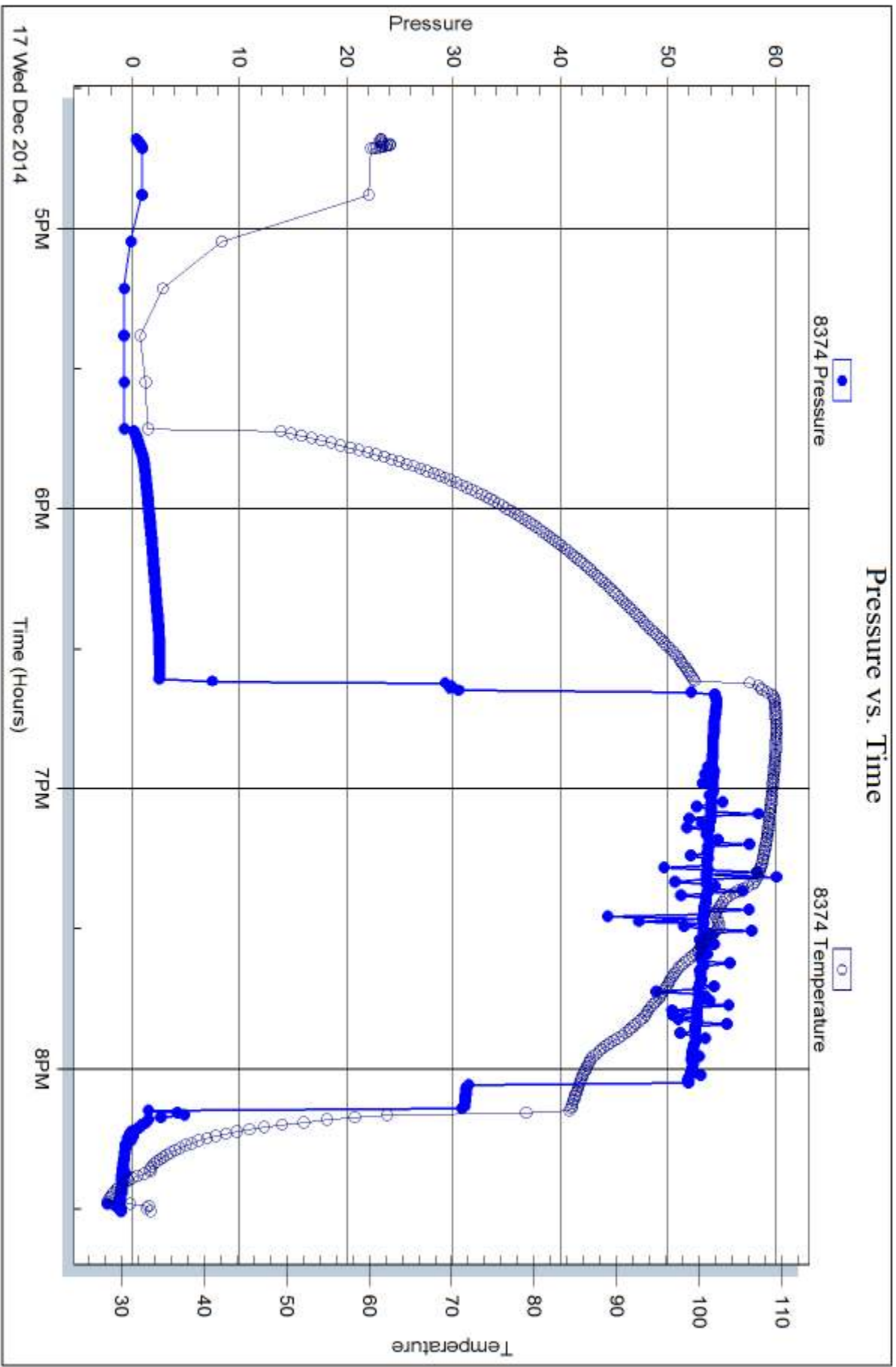
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Fluid

McElvain Energy Inc

Spalsbury 3-2#1

DST Test Number: 4



Trilobite Testing, Inc

Ref. No: 61137

Printed: 2014.12.18 @ 08:16:18



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

McElvain Energy Inc
 1050 17th St
 STE 2500
 Denver Co 80265-2080
 ATTN: Jim McKinney, Rodney

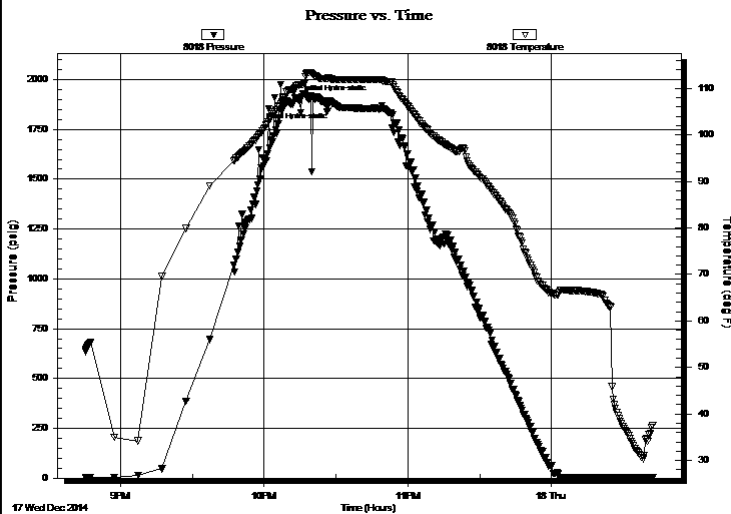
3-12s-21w Trego
Spalsbury 3-2#1
 Job Ticket: 61138 **DST#: 5**
 Test Start: 2014.12.17 @ 20:45:23

GENERAL INFORMATION:

Formation: **Pawnee**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 22:25:00
 Time Test Ended: 00:42:18
 Interval: **3900.00 ft (KB) To 3925.00 ft (KB) (TVD)**
 Total Depth: 3925.00 ft (KB) (TVD)
 Hole Diameter: 7.85 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Ray Schwager
 Unit No: 70
 Reference Elevations: 2315.00 ft (KB)
 2305.00 ft (CF)
 KB to GR/CF: 10.00 ft

Serial #: 8018 **Inside**
 Press@RunDepth: psig @ 3901.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.12.17 End Date: 2014.12.18 Last Calib.: 2014.12.18
 Start Time: 20:45:23 End Time: 00:42:18 Time On Btm: 2014.12.17 @ 22:13:48
 Time Off Btm: 2014.12.17 @ 22:29:18

TEST COMMENT: IFP-set tool twice , No packer seat



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1900.34	110.66	Initial Hydro-static
16	1874.76	111.96	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
110.00	Mud	1.54

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

McElvain Energy Inc

3-12s-21w Trego

1050 17th St
STE 2500
Denver Co 80265-2080
ATTN: Jim McKinney, Rodney

Spalsbury 3-2#1

Job Ticket: 61138

DST#: 5

Test Start: 2014.12.17 @ 20:45:23

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 54.00 sec/qt

Water Loss: 7.60 in³

Resistivity: ohm.m

Salinity: 2600.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
110.00	Mud	1.543

Total Length: 110.00 ft Total Volume: 1.543 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Sampler Data: 2000ML mud

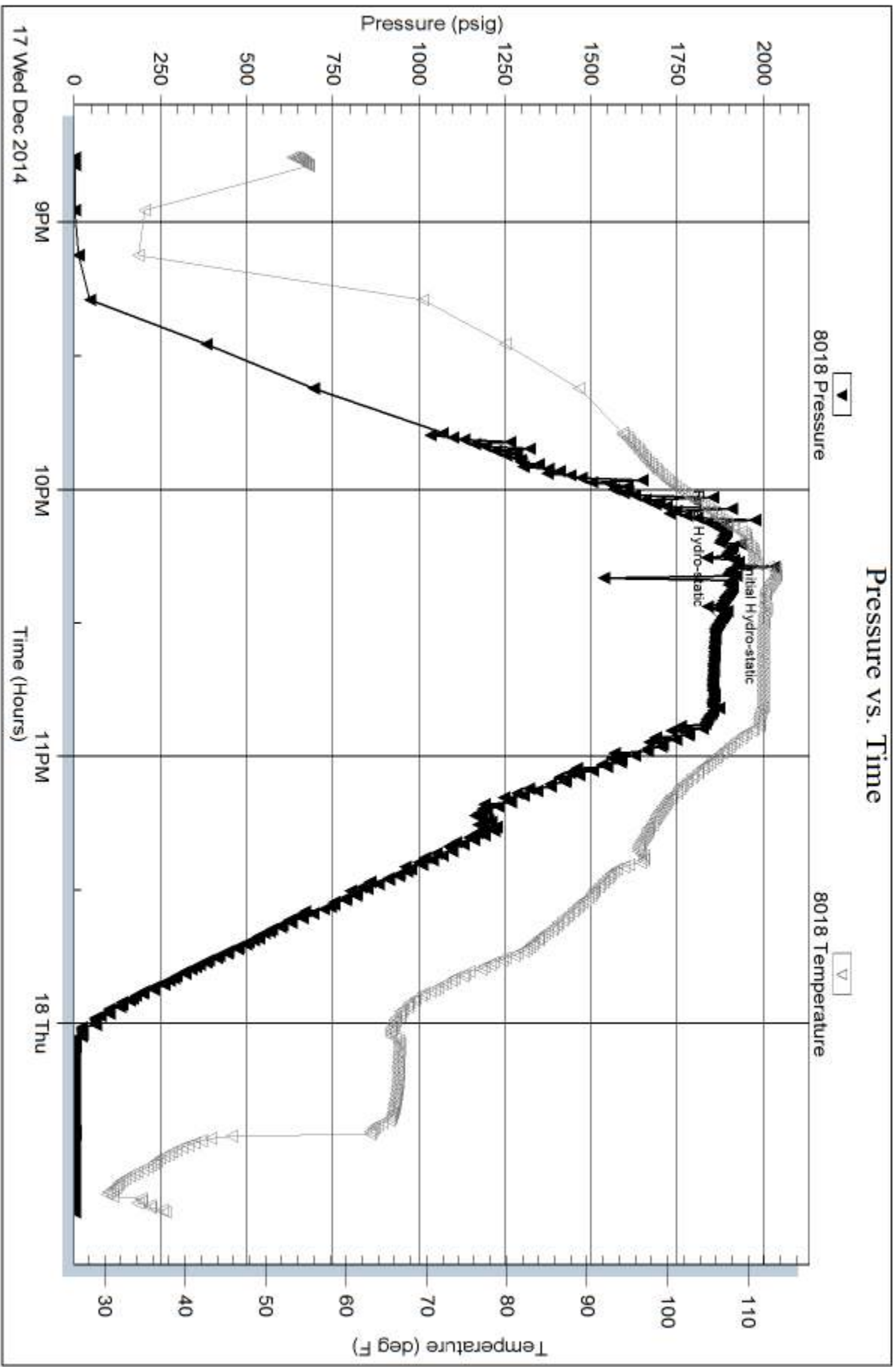
Serial #: 8018

Inside

McElvain Energy Inc

Spalsbury 3-2#1

DST Test Number: 5



Trilobite Testing, Inc

Ref. No: 61138

Printed: 2014.12.18 @ 08:14:21

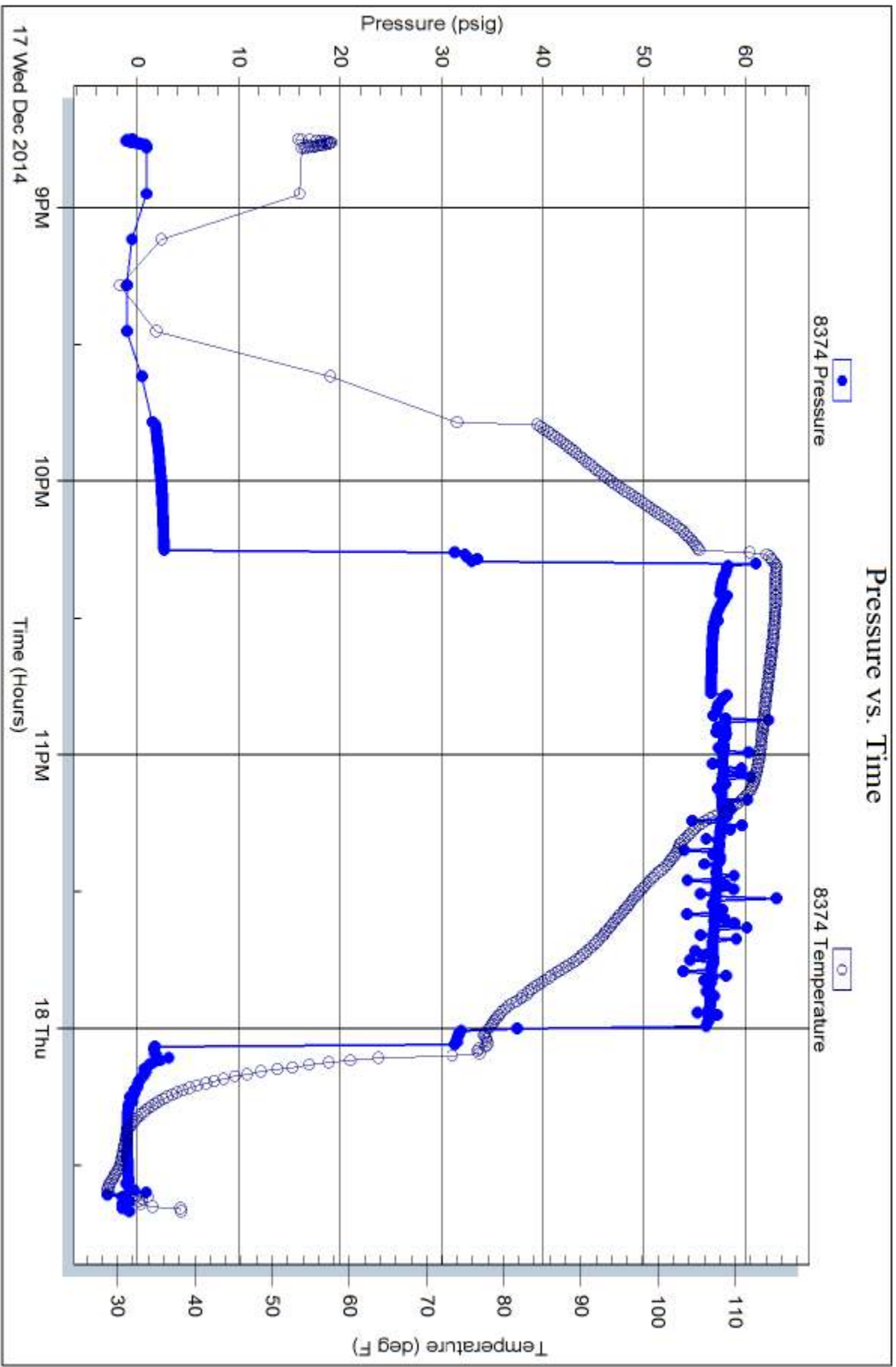
Serial #: 8374

Fluid

McElvain Energy Inc

Spalsbury 3-2#1

DST Test Number: 5





TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

McElvain Energy Inc
 1050 17th St
 STE 2500
 Denver Co 80265-2080
 ATTN: Jim McKinney, Rodney

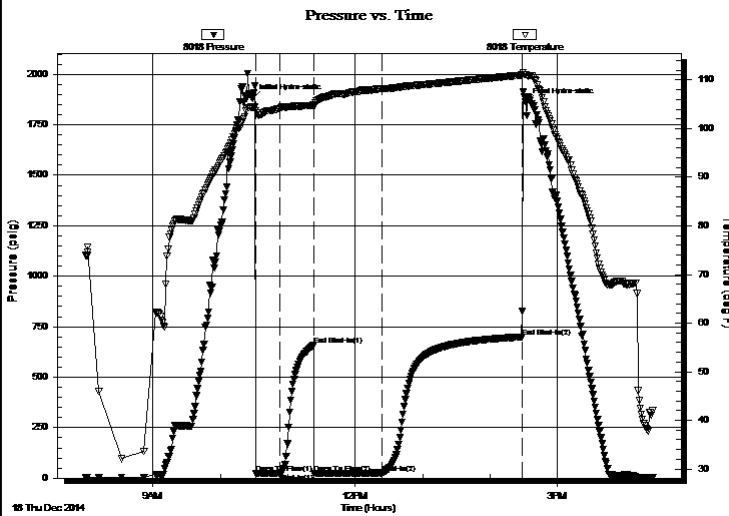
3-12s-21w Trego
Spalsbury 3-2#1
 Job Ticket: 61139 **DST#: 6**
 Test Start: 2014.12.18 @ 08:00:09

GENERAL INFORMATION:

Formation: **Pawnee**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 10:31:34
 Time Test Ended: 16:24:33
 Interval: **3904.00 ft (KB) To 3925.00 ft (KB) (TVD)**
 Total Depth: 3925.00 ft (KB) (TVD)
 Hole Diameter: 7.85 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Ray Schwager
 Unit No: 70
 Reference Elevations: 2315.00 ft (KB)
 2305.00 ft (CF)
 KB to GR/CF: 10.00 ft

Serial #: 8018 Inside
 Press@RunDepth: 25.73 psig @ 3905.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.12.18 End Date: 2014.12.18 Last Calib.: 2014.12.18
 Start Time: 08:00:09 End Time: 16:24:33 Time On Btm: 2014.12.18 @ 10:28:34
 Time Off Btm: 2014.12.18 @ 14:32:03

TEST COMMENT: 20-IFP-w k bl thru-out 1/4"to 3/4"bl
 30-ISIP-no bl
 60-FFP-w k bl thru-out 1/4"bl
 120-FSIP-no bl



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1880.72	104.38	Initial Hydro-static
3	24.04	103.64	Open To Flow (1)
24	22.96	104.19	Shut-In(1)
55	657.49	104.83	End Shut-In(1)
55	24.44	104.64	Open To Flow (2)
115	25.73	108.21	Shut-In(2)
240	699.08	111.01	End Shut-In(2)
244	1857.54	111.06	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1.00	CO	0.01
15.00	O&GCM 5%G25%O70%M	0.21

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

McElvain Energy Inc

3-12s-21w Trego

1050 17th St
STE 2500
Denver Co 80265-2080
ATTN: Jim McKinney, Rodney

Spalsbury 3-2#1

Job Ticket: 61139

DST#: 6

Test Start: 2014.12.18 @ 08:00:09

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 61.00 sec/qt
Water Loss: 7.40 in³
Resistivity: ohm.m
Salinity: 2700.00 ppm
Filter Cake: 1.00 inches

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

Oil API: deg API
Water Salinity: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1.00	CO	0.014
15.00	O&GCM 5%G25%O70%M	0.210

Total Length: 16.00 ft Total Volume: 0.224 bbl

Num Fluid Samples: 0

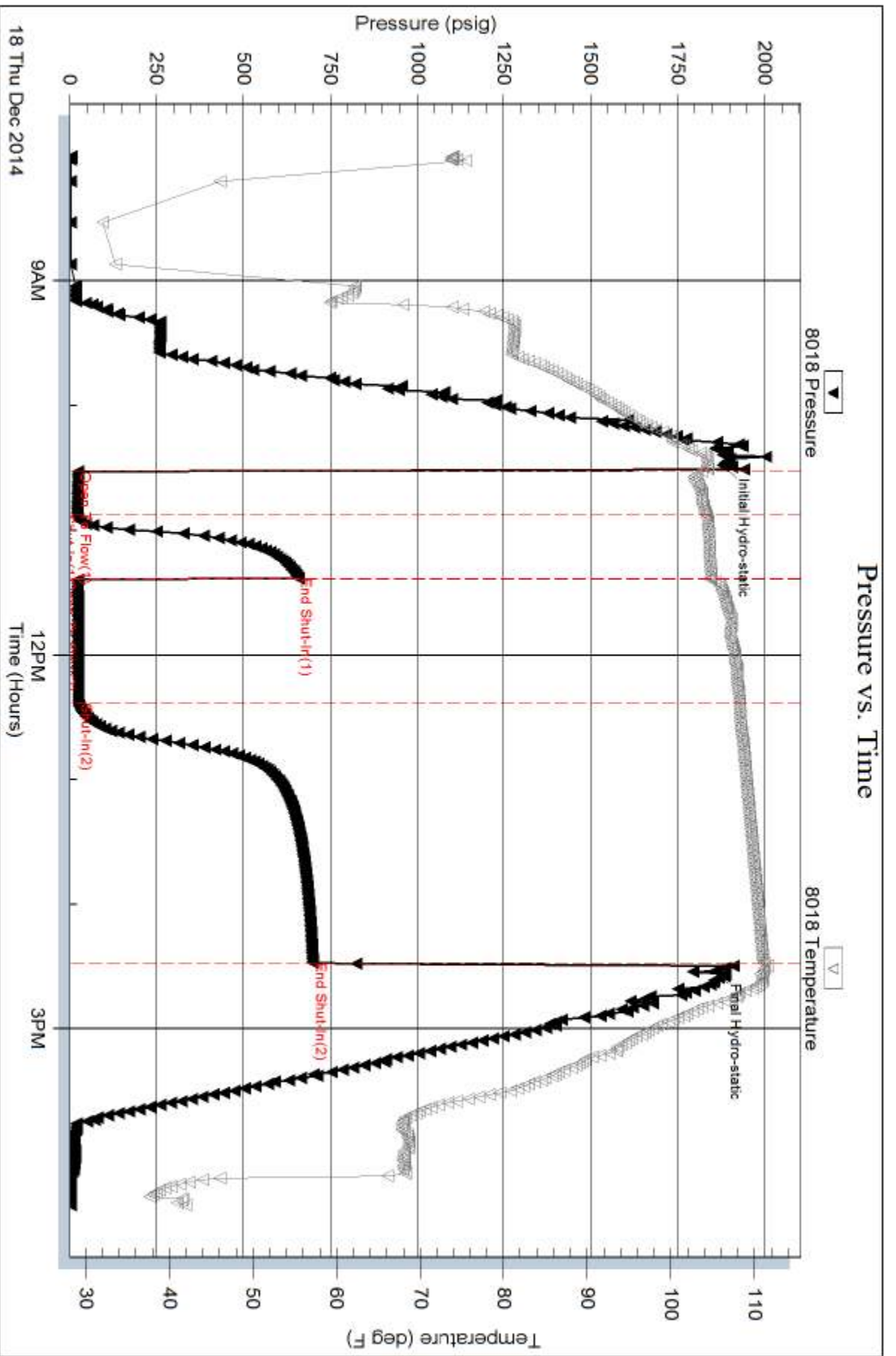
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Sampler Data : PSI:70# 200MLgas 800MLoil 100MLmud



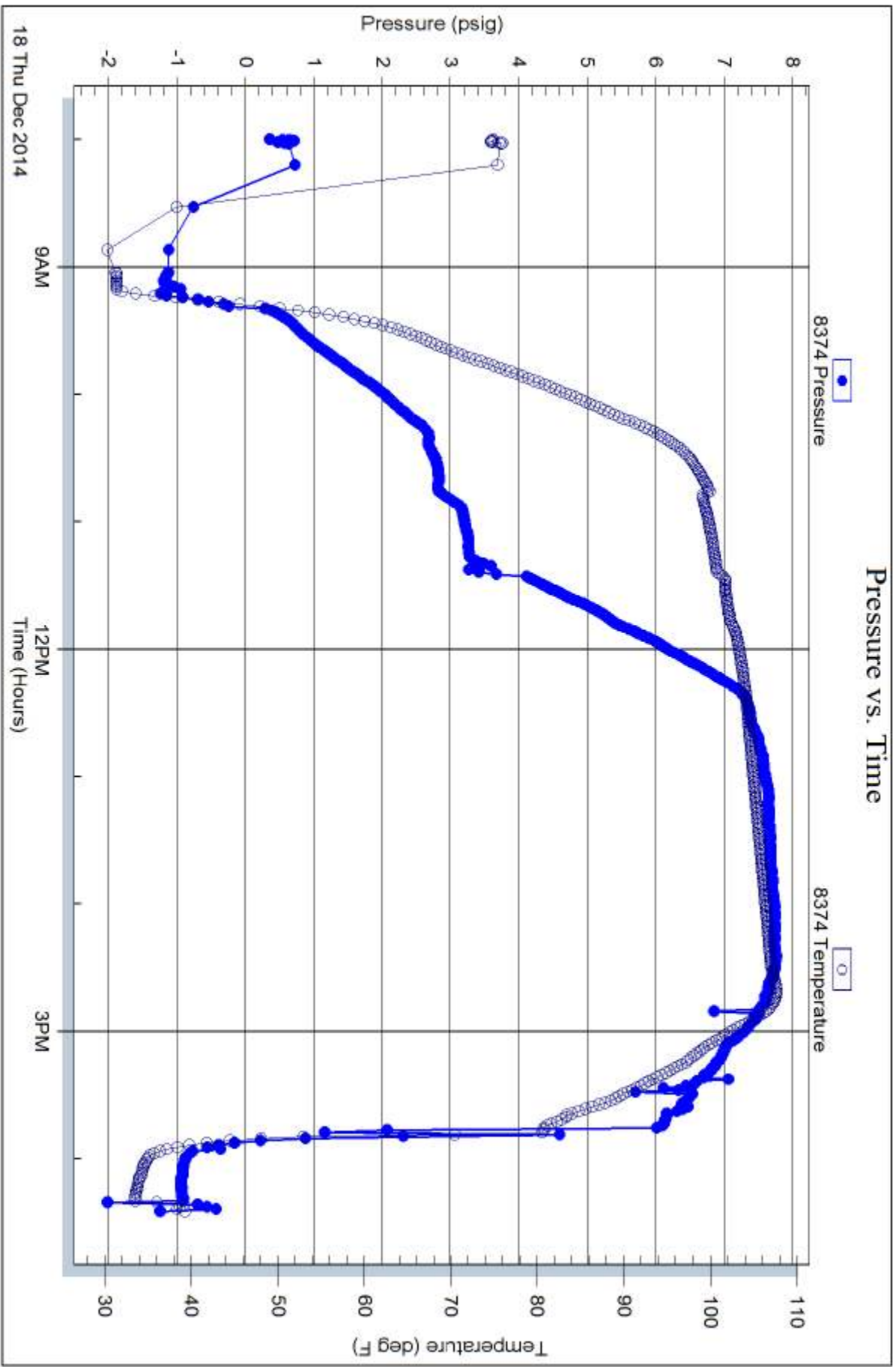
Serial #: 8374

Fluid

McElvain Energy Inc

Spalsbury 3-2#1

DST Test Number: 6





PO Box 93999
Southlake, TX 76092

Voice: (817) 546-7282
Fax: (817) 246-3361

INVOICE

Invoice Number: 147613
Invoice Date: Dec 11, 2014
Page: 1

Federal Tax I.D.#: 20-8651475

RECEIVED

DEC 29 2014

McElvain Energy, Inc
Denver Office

Bill To:
McElvain Energy, Inc
1050 17th St., Suite 2500
Denver, CO 80265-2080

Customer ID	Field Ticket #	Payment Terms	
McElv	64837	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS2-01	Oakley	Dec 11, 2014	1/10/15

Quantity	Item	Description	Unit Price	Amount
1.00	WELL NAME	Spalsbury 3-2 #1		
190.00	CEMENT MATERIALS	Class A Common	17.90	3,401.00
536.00	CEMENT MATERIALS	Chloride	1.10	589.60
48.00	CEMENT MATERIALS	Flo Seal	2.97	142.56
203.78	CEMENT SERVICE	Cubic Feet Charge	2.48	505.37
414.97	CEMENT SERVICE	Ton Mileage Charge	2.60	1,078.92
1.00	CEMENT SERVICE	Surface	1,512.25	1,512.25
45.00	CEMENT SERVICE	Pump Truck Mileage	7.70	346.50
1.00	CEMENT SERVICE	Swedge Manifold Rental	275.00	275.00
45.00	CEMENT SERVICE	Light Vehicle Mileage	4.40	198.00
1.00	CEMENT SUPERVISOR	Paul Beaver		
1.00	EQUIPMENT OPERATOR	Tyler Flipse		

Surface casing cement job

Code: 4225

JAN 12 2015

Approved: JMM

Subtotal	8,049.20
Sales Tax	316.19
Total Invoice Amount	8,365.39
Payment/Credit Applied	
TOTAL	8,365.39

ALL PRICES ARE NET, PAYABLE 30 DAYS FOLLOWING DATE OF INVOICE. 1 1/2% CHARGED THEREAFTER. IF ACCOUNT IS CURRENT, TAKE DISCOUNT OF

\$ 2,253.77

ONLY IF PAID ON OR BEFORE
Jan 10, 2015

- 2,253.77
= 6,111.62

ALLIED OIL & GAS SERVICES, LLC 064837

Federal Tax I.D. # 20-8651475

REMIT TO P.O. BOX 93999
SOUTHLAKE, TEXAS 76092

SERVICE POINT: Oakley KS

DATE <u>12-11-14</u>	SEC. <u>3</u>	TWP. <u>D5</u>	RANGE <u>21W</u>	CALLED OUT	ON LOCATION <u>12:00am</u>	JOB START <u>3:00am</u>	JOB FINISH <u>3:30am</u>
LEASE <u>Spalding</u>	WELL # <u>3-2#1</u>	LOCATION <u>Rigg Rd N to Rd G</u>	COUNTY <u>Wagon</u>	STATE <u>KS</u>			
OLD OR <input checked="" type="radio"/> NEW (Circle one)			<u>1/2 E Sinko</u>				

CONTRACTOR Val Co
 TYPE OF JOB Surface
 HOLE SIZE 12 1/4 T.D. 294'
 CASING SIZE 8 5/8 DEPTH 292'
 TUBING SIZE _____ DEPTH _____
 DRILL PIPE _____ DEPTH _____
 TOOL _____ DEPTH _____
 PRES. MAX _____ MINIMUM _____
 MEAS. LINE _____ SHOE JOINT _____
 CEMENT LEFT IN CSG. 15'
 PERFS. _____
 DISPLACEMENT 17.5661 H₂O
 EQUIPMENT _____

OWNER Same
 CEMENT AMOUNT ORDERED 190 stks Com
3% CC 1/4 # Flo-seal
 COMMON 190 stks @ 17.90 3401.00
 POZMIX _____ @ _____
 GEL _____ @ _____
 CHLORIDE 536 # @ 1.10 589.60
 ASC _____ @ _____
Flo-seal 48 # @ 2.97 142.56
 Material Total _____ @ _____ 4,133.16
(1157.28/28%)
 HANDLING 203.78 @ 2.48 505.37
 MILEAGE 414.97 ton/mix @ 2.60 1078.93
 TOTAL _____

PUMP TRUCK # 120 CEMENTER Paul Beaver
 HELPER Tyler Flipse / Anthony
 BULK TRUCK # 600 DRIVER Jeff (TWS)
 BULK TRUCK # _____ DRIVER _____

REMARKS:
mix 190 stks
Displace w/ water
cement did circ
Thank You!
Paul + Crew

CHARGE TO: McElvain Energy
 STREET _____
 CITY _____ STATE _____ ZIP _____

SERVICE
 DEPTH OF JOB 292'
 PUMP TRUCK CHARGE 1512.25
 EXTRA FOOTAGE _____ @ _____
 MILEAGE mi HV 45 @ 7.70 346.50
 MANIFOLD swedge 45 @ 7.70 346.50
MILV 45 @ 4.40 198.00
(1096.49/28%) TOTAL 3,916.05

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.

PRINTED NAME _____
 SIGNATURE Rodney Gonzalez

SALES TAX (If Any) _____
 TOTAL CHARGES 8,049.21
 DISCOUNT 2,253.77 (28%) IF PAID IN 30 DAYS
 Bid 5,795.43 Net