



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1197762
OIL & GAS CONSERVATION DIVISION

Form ACO-1
August 2013

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 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
- Plug Back Conv. to GSW Conv. to Producer
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

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

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
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____

1197762

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 <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
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:				

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: 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

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> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	McElvain Energy, Inc.
Well Name	Walz 31-8
Doc ID	1197762

All Electric Logs Run

Neutron Density
Microresistivity
Induction
Sonic

Form	ACO1 - Well Completion
Operator	McElvain Energy, Inc.
Well Name	Walz 31-8
Doc ID	1197762

Tops

Name	Top	Datum
Stone Corral	1721	510
Eskridge	2753	-522
Elmont	3116	-885
Topeka	3279	-1048
Heebner	3492	-1261
Lansing A	3532	-1301
Lansing C	3572	-1341
Lansing F	3605	-1374
Lansing H	3660	-1429
X shale	3752	-1521
Marmaton	3830	-1589
Arbuckle	3905	-1674



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

McElvain Energy Inc
 1050 17th st.
 STE 2500
 Denver Co 80265-2080
 ATTN: Chris Mitchell/ Jeff

31-10s-21w Graham

Walz 31-8

Job Ticket: 55456 **DST#: 1**
 Test Start: 2013.12.11 @ 21:06:03

GENERAL INFORMATION:

Formation: **LKC C-upper G**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 23:40:58
 Time Test Ended: 05:46:43
 Interval: **3572.00 ft (KB) To 3644.00 ft (KB) (TVD)**
 Total Depth: 3644.00 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: 2231.00 ft (KB)
 2221.00 ft (CF)
 KB to GR/CF: 10.00 ft

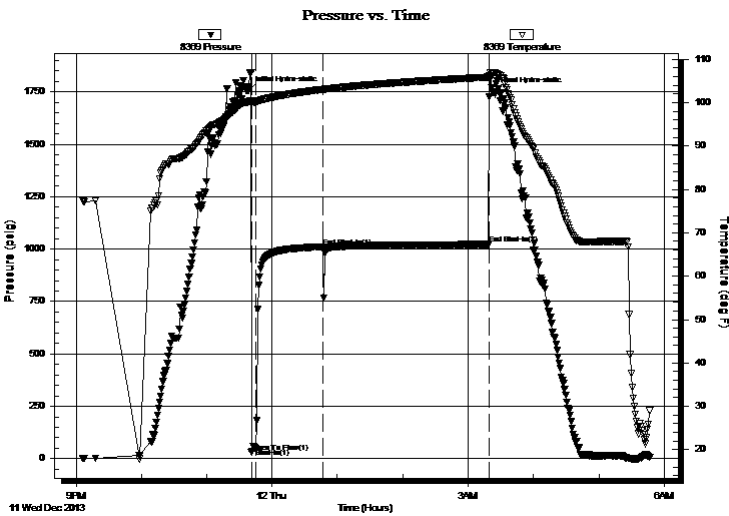
Serial #: 8369

Inside

Press@RunDepth: 47.82 psig @ 3579.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.12.11 End Date: 2013.12.12 Last Calib.: 2013.12.12
 Start Time: 21:06:03 End Time: 05:46:43 Time On Btm: 2013.12.11 @ 23:38:28
 Time Off Btm: 2013.12.12 @ 03:23:27

TEST COMMENT: 5-IFP-wk to a fr bl 1/2"to 4"bl
 60-ISIP-no bl
 30-FFP-no bl 1st 5min then surface bl
 120-FSIP-no bl

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1758.44	100.15	Initial Hydro-static
3	29.98	99.90	Open To Flow (1)
7	47.82	100.09	Shut-In(1)
68	1011.10	103.02	End Shut-In(1)
221	1022.68	105.88	End Shut-In(2)
225	1751.34	106.92	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
40.00	SOCM 1%O99%M	0.56

Gas Rates

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

McElvain Energy Inc
 1050 17th st.
 STE 2500
 Denver Co 80265-2080
 ATTN: Chris Mitchell/ Jeff

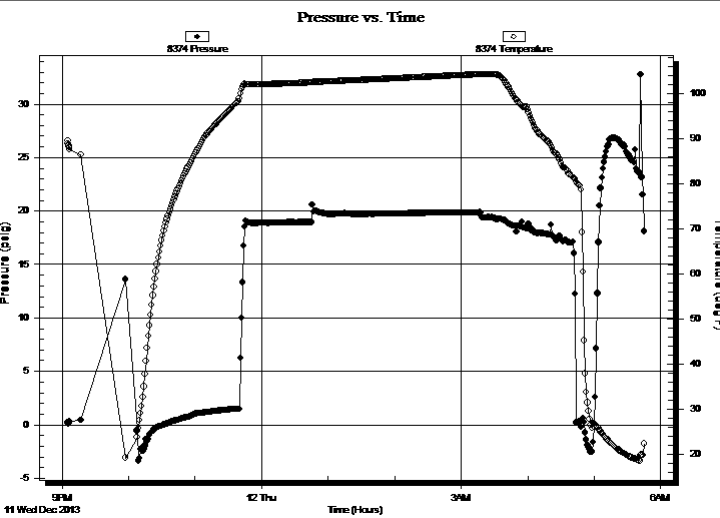
31-10s-21w Graham
Walz 31-8
 Job Ticket: 55456 **DST#: 1**
 Test Start: 2013.12.11 @ 21:06:03

GENERAL INFORMATION:

Formation: **LKC C-upper G**
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 Total Depth: 3644.00 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: 2231.00 ft (KB)
 2221.00 ft (CF)
 KB to GR/CF: 10.00 ft

Serial #: 8374 Fluid
 Press@RunDepth: psig @ 3536.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.12.11 End Date: 2013.12.12 Last Calib.: 2013.12.12
 Start Time: 21:05:17 End Time: 05:45:27 Time On Btm:
 Time Off Btm:

TEST COMMENT: 5-IFP-wk to a fr bl 1/2"to 4"bl
 60-ISIP-no bl
 30-FFP-no bl 1st 5min then surface bl
 120-FSIP-no bl



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery		
Length (ft)	Description	Volume (bbl)
40.00	SOCM 1%O99%M	0.56

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

McElvain Energy Inc
1050 17th st.
STE 2500
Denver Co 80265-2080
ATTN: Chris Mitchell/ Jeff

31-10s-21w Graham
Walz 31-8
Job Ticket: 55456 **DST#: 1**
Test Start: 2013.12.11 @ 21:06:03

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:	ppm
Viscosity: 48.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.75 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 5000.00 ppm			
Filter Cake: 2.00 inches			

Recovery Information

Recovery Table

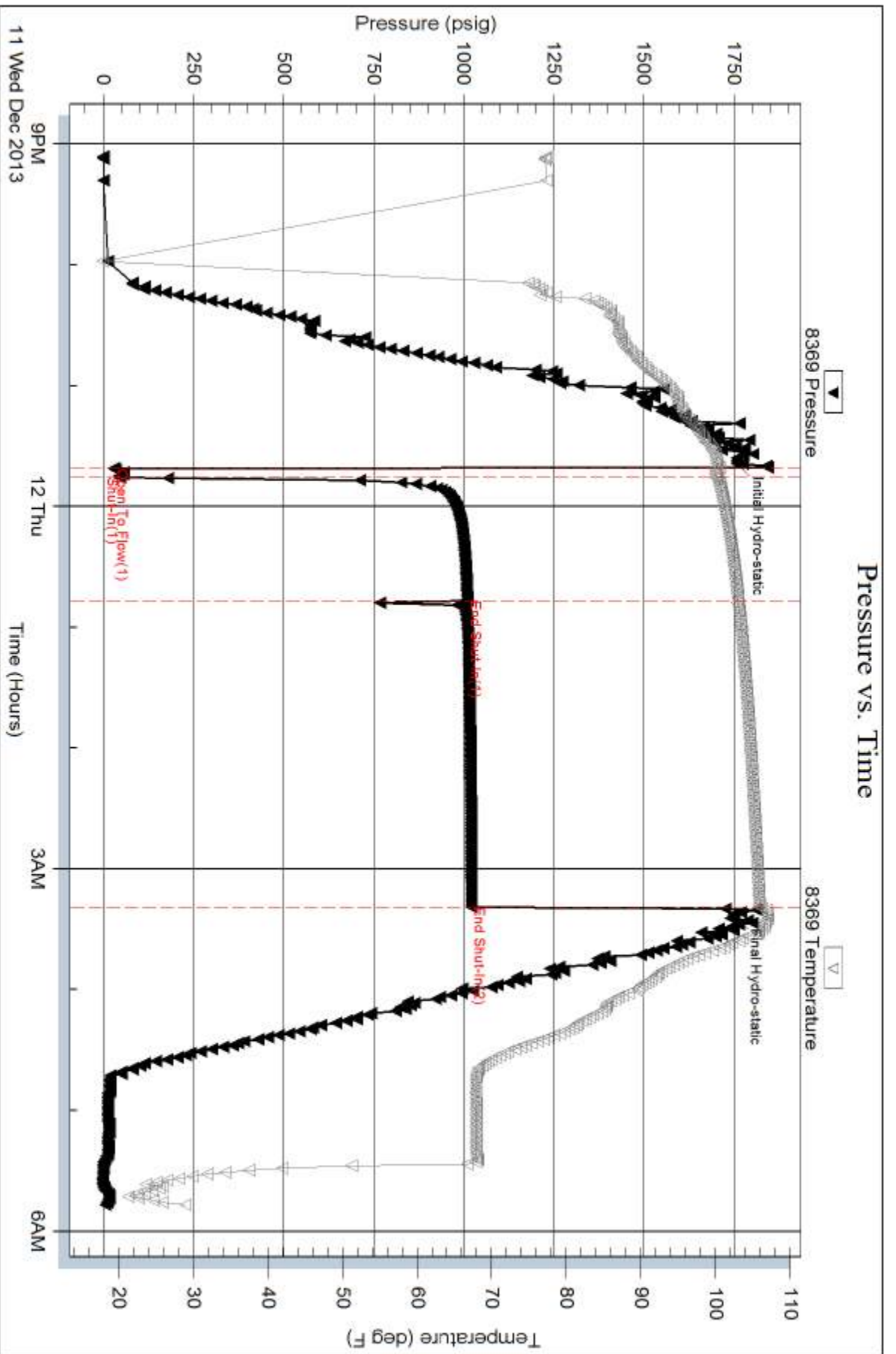
Length ft	Description	Volume bbl
40.00	SOCM 1%O99%M	0.561

Total Length: 40.00 ft Total Volume: 0.561 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: Sampler Data: PSI : 50# 20MLoil 1880ML Mud



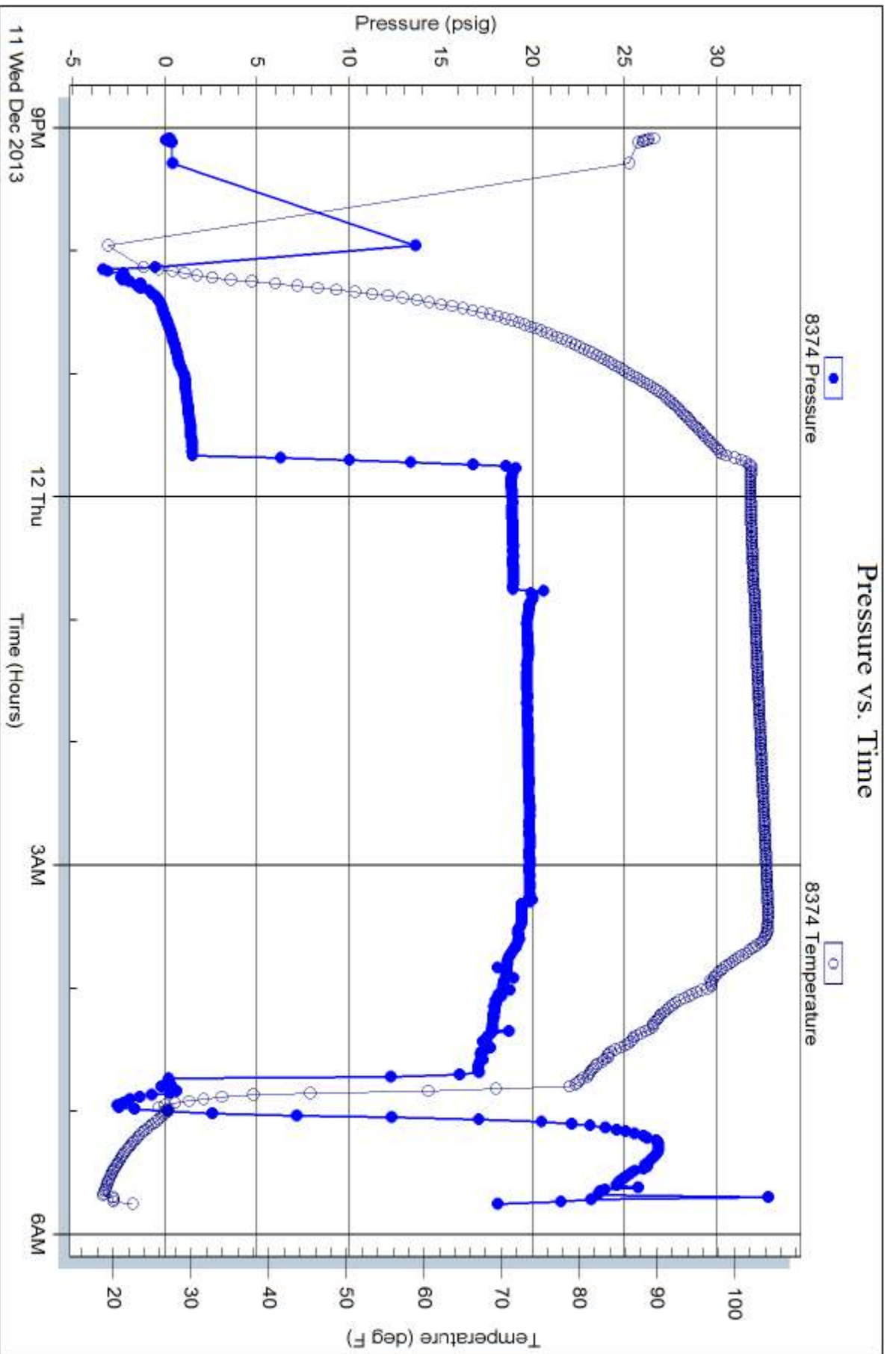
Serial #: 8374

Fluid

McEvain Energy Inc

Walz 31-8

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 55456

Printed: 2013.12.12 @ 08:04:48



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

McElvain Energy Inc
1050 17th st.
STE 2500
Denver Co 80265-2080
ATTN: Chris Mitchell/ Jeff

31-10s-21w Graham

Walz 31-8

Job Ticket: 55457

DST#: 2

Test Start: 2013.12.12 @ 10:50:12

GENERAL INFORMATION:

Formation: **LKC C-upper G**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:12:52

Time Test Ended: 19:10:21

Test Type: Conventional Bottom Hole (Reset)

Tester: Ray Schwager

Unit No: 70

Interval: 3572.00 ft (KB) To 3644.00 ft (KB) (TVD)

Reference Elevations: 2231.00 ft (KB)

Total Depth: 3644.00 ft (KB) (TVD)

2221.00 ft (CF)

Hole Diameter: 7.85 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

Serial #: 8369

Inside

Press @ Run Depth: 116.75 psig @ 3579.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.12.12

End Date:

2013.12.12

Last Calib.:

2013.12.12

Start Time: 10:50:12

End Time:

19:10:21

Time On Btm:

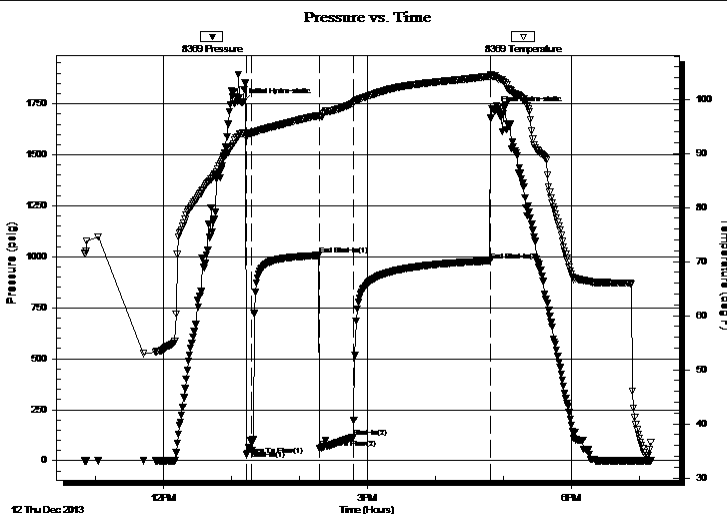
2013.12.12 @ 13:09:52

Time Off Btm:

2013.12.12 @ 16:52:21

TEST COMMENT: 5-IFP-w k to a fr bl 1/2" to 4 1/4" bl
60-ISIP-no bl
30-FFP-w k to strg in 20 min
120-FSIP-1/4" bl bk

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1757.40	93.74	Initial Hydro-static
3	28.42	92.96	Open To Flow (1)
8	49.80	93.72	Shut-In(1)
68	1006.78	97.00	End Shut-In(1)
68	59.80	96.75	Open To Flow (2)
98	116.75	99.28	Shut-In(2)
219	980.22	104.26	End Shut-In(2)
223	1718.77	104.34	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	175'GIP	0.00
15.00	CO	0.21
115.00	O&GCM 5%G10%O85%M	1.61
65.00	O&GCM 5%G15%O80%M	0.91

Gas Rates

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

* Recovery from multiple tests



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

McElvain Energy Inc
1050 17th st.
STE 2500
Denver Co 80265-2080
ATTN: Chris Mitchell/ Jeff

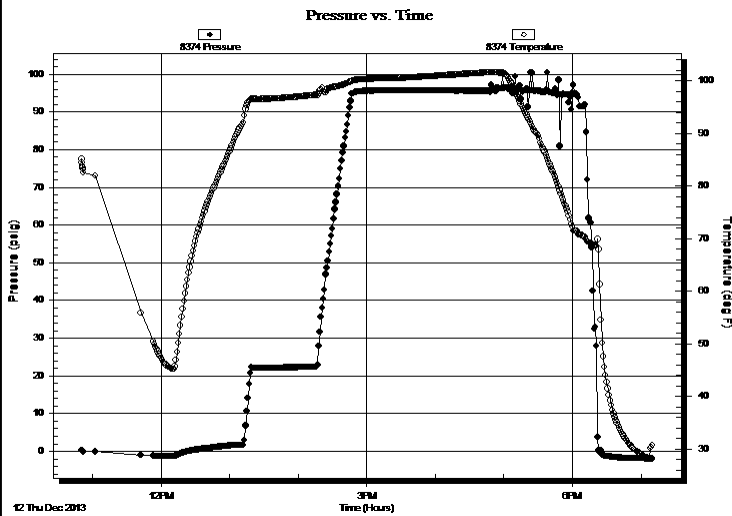
31-10s-21w Graham
Walz 31-8
Job Ticket: 55457 **DST#: 2**
Test Start: 2013.12.12 @ 10:50:12

GENERAL INFORMATION:

Formation: **LKC C-upper G**
Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Reset)
Time Tool Opened: 13:12:52 Tester: Ray Schwager
Time Test Ended: 19:10:21 Unit No: 70
Interval: 3572.00 ft (KB) To 3644.00 ft (KB) (TVD) Reference Elevations: 2231.00 ft (KB)
Total Depth: 3644.00 ft (KB) (TVD) 2221.00 ft (CF)
Hole Diameter: 7.85 inches Hole Condition: Fair KB to GR/CF: 10.00 ft

Serial #: 8374 Fluid
Press @ Run Depth: psig @ 3536.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2013.12.12 End Date: 2013.12.12 Last Calib.: 2013.12.12
Start Time: 10:50:20 End Time: 19:09:59 Time On Btm:
Time Off Btm:

TEST COMMENT: 5-IFP-w k to a fr bl 1/2" to 4 1/4" bl
60-ISIP-no bl
30-FFP-w k to strg in 20 min
120-FSIP-1/4"bl bk



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
0.00	175'GIP	0.00
15.00	CO	0.21
115.00	O&GCM 5%G10%O85%M	1.61
65.00	O&GCM 5%G15%O80%M	0.91

* 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

31-10s-21w Graham

1050 17th st.
STE 2500
Denver Co 80265-2080
ATTN: Chris Mitchell/ Jeff

Walz 31-8

Job Ticket: 55457

DST#: 2

Test Start: 2013.12.12 @ 10:50:12

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 10.00 lb/gal
Viscosity: 48.00 sec/qt
Water Loss: 8.70 in³
Resistivity: ohm.m
Salinity: 5000.00 ppm
Filter Cake: 2.00 inches

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

Oil API: 33 deg API
Water Salinity: ppm

Recovery Information

Recovery Table

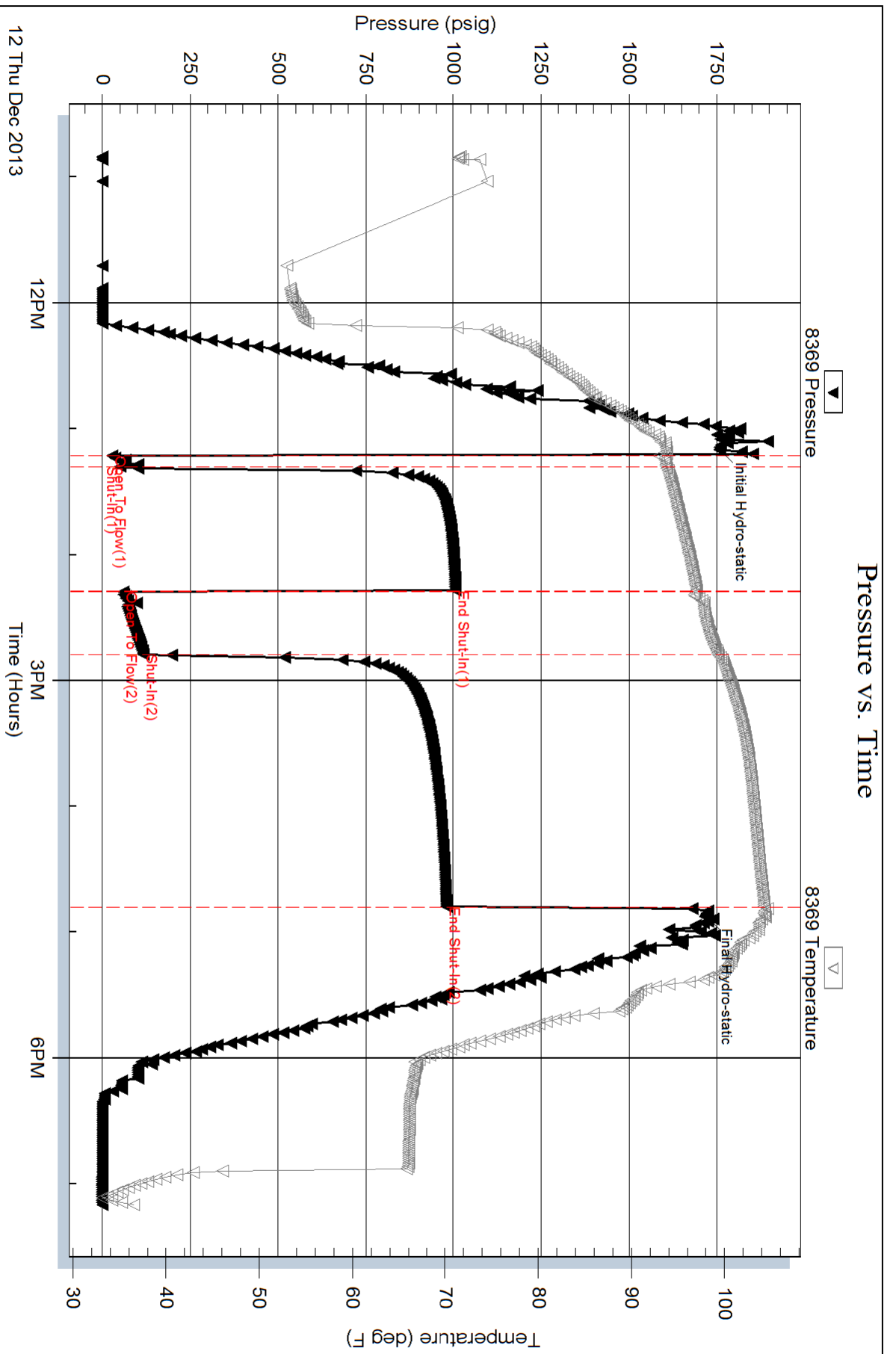
Length ft	Description	Volume bbl
0.00	175'GIP	0.000
15.00	CO	0.210
115.00	O&GCM 5%G10%O85%M	1.613
65.00	O&GCM 5%G15%O80%M	0.912

Total Length: 195.00 ft Total Volume: 2.735 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: Sampler Data: PSI:250 # 100ML Gas 300ML oil 1600MLMud
Gravity :33



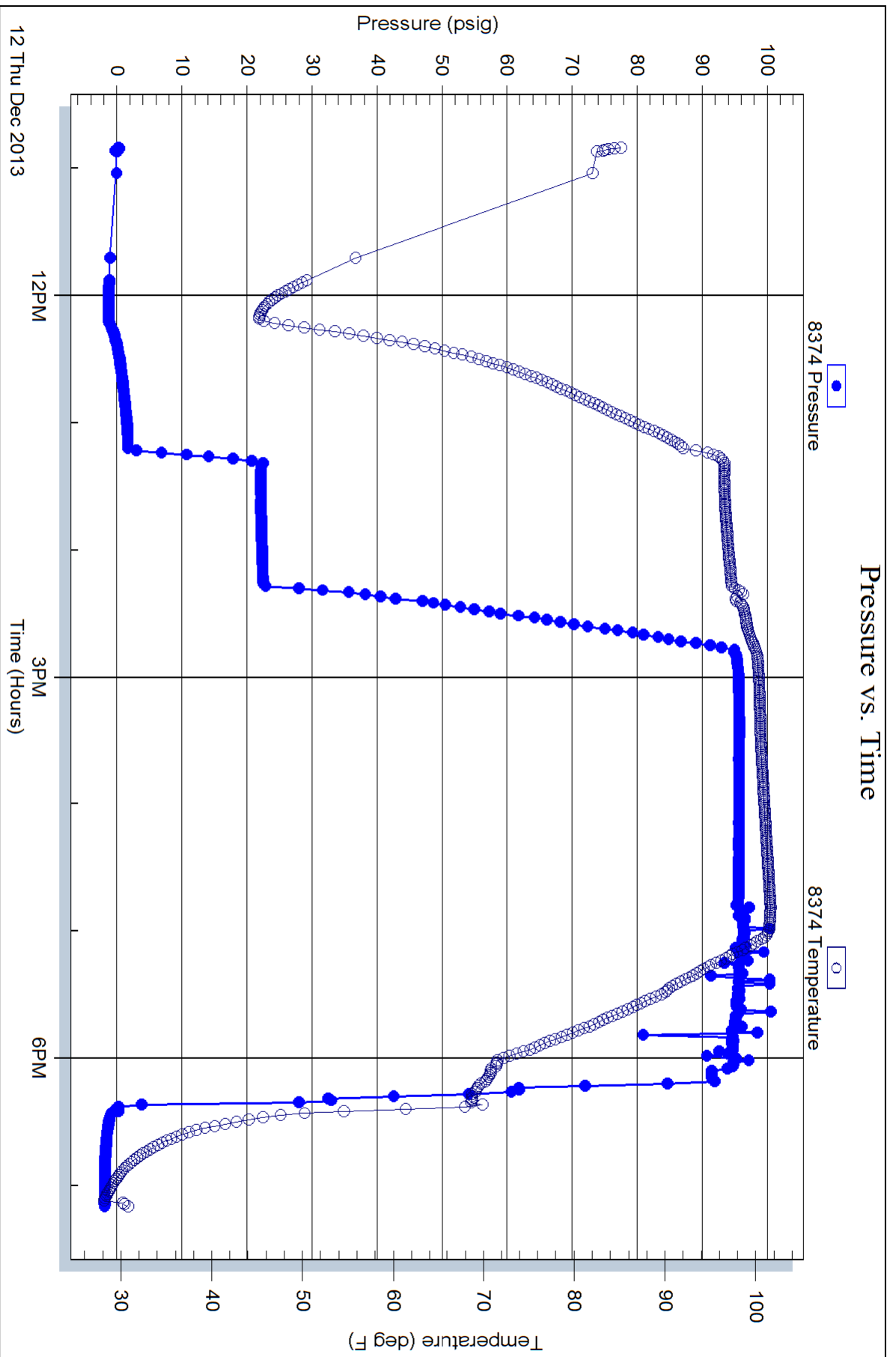
Serial #: 8374

Fluid

McElvain Energy Inc

Walz 31-8

DST Test Number: 2





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

McElvain Energy Inc
 1050 17th st.
 STE 2500
 Denver Co 80265-2080
 ATTN: Chris Mitchell/ Jeff

31-10s-21w Graham

Walz 31-8

Job Ticket: 55458

DST#: 3

Test Start: 2013.12.13 @ 10:35:40

GENERAL INFORMATION:

Formation: **LKC I-K**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 13:09:05
 Time Test Ended: 19:09:50
 Interval: **3685.00 ft (KB) To 3750.00 ft (KB) (TVD)**
 Total Depth: 3750.00 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: 2231.00 ft (KB)
 2221.00 ft (CF)
 KB to GR/CF: 10.00 ft

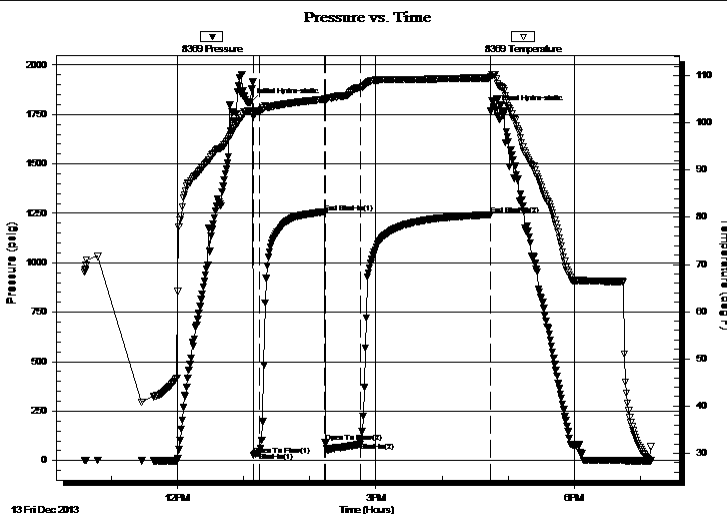
Serial #: 8369

Inside

Press @ Run Depth: 92.75 psig @ 3691.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.12.13 End Date: 2013.12.13 Last Calib.: 2013.12.13
 Start Time: 10:35:40 End Time: 19:09:50 Time On Btm: 2013.12.13 @ 13:06:20
 Time Off Btm: 2013.12.13 @ 16:48:19

TEST COMMENT: 5-IFP-w k to a fr bl 1/2" to 4 1/2" bl
 60-ISIP-no bl
 30-FFP-w k to strg in 12min
 120-FSIP-1/4" bl bk

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1810.73	102.59	Initial Hydro-static
3	26.24	101.31	Open To Flow (1)
9	39.99	102.58	Shut-In(1)
68	1252.04	105.05	End Shut-In(1)
68	91.97	104.51	Open To Flow (2)
100	92.75	107.45	Shut-In(2)
218	1243.10	109.57	End Shut-In(2)
222	1774.24	110.30	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	275'GIP	0.00
65.00	CO	0.91
85.00	O&GCM 10%G25%O65%M	1.19

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

McElvain Energy Inc
1050 17th st.
STE 2500
Denver Co 80265-2080
ATTN: Chris Mitchell/ Jeff

31-10s-21w Graham

Walz 31-8

Job Ticket: 55458 **DST#: 3**
Test Start: 2013.12.13 @ 10:35:40

GENERAL INFORMATION:

Formation: **LKC I-K**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 13:09:05
Time Test Ended: 19:09:50
Interval: 3685.00 ft (KB) To 3750.00 ft (KB) (TVD)
Total Depth: 3750.00 ft (KB) (TVD)
Hole Diameter: 7.85 inches Hole Condition: Fair

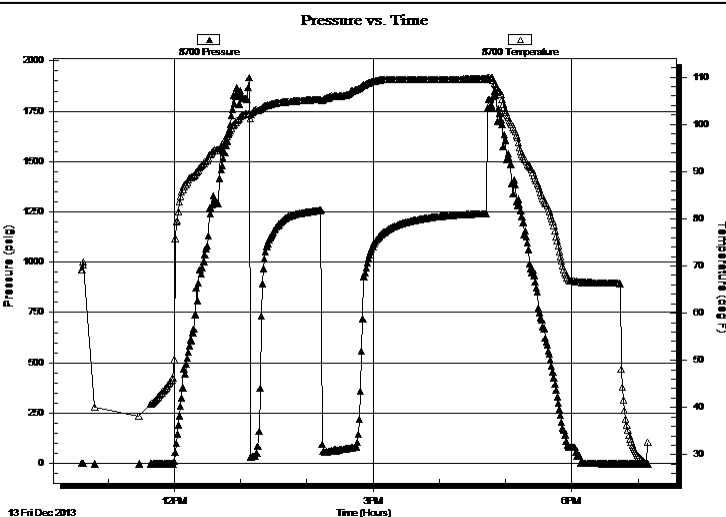
Test Type: Conventional Bottom Hole (Reset)
Tester: Ray Schwager
Unit No: 70
Reference Elevations: 2231.00 ft (KB)
2221.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 8700

Outside

Press @ Run Depth: psig @ 3691.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2013.12.13 End Date: 2013.12.13 Last Calib.: 2013.12.13
Start Time: 10:35:59 End Time: 19:08:39 Time On Btm:
Time Off Btm:

TEST COMMENT: 5-IFP-w k to a fr bl 1/2" to 4 1/2" bl
60-ISIP-no bl
30-FFP-w k to strg in 12min
120-FSIP-1/4" bl bk



PRESSURE SUMMARY

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

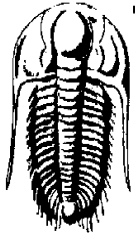
Recovery

Length (ft)	Description	Volume (bbl)
0.00	275'GIP	0.00
65.00	CO	0.91
85.00	O&GCM 10%G25%O65%M	1.19

Gas Rates

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

* Recovery from multiple tests



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

McElvain Energy Inc
 1050 17th st.
 STE 2500
 Denver Co 80265-2080
 ATTN: Chris Mitchell/ Jeff

31-10s-21w Graham

Walz 31-8

Job Ticket: 55458

DST#: 3

Test Start: 2013.12.13 @ 10:35:40

GENERAL INFORMATION:

Formation: **LKC I-K**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:09:05

Time Test Ended: 19:09:50

Test Type: Conventional Bottom Hole (Reset)

Tester: Ray Schwager

Unit No: 70

Interval: 3685.00 ft (KB) To 3750.00 ft (KB) (TVD)

Reference Elevations: 2231.00 ft (KB)

Total Depth: 3750.00 ft (KB) (TVD)

2221.00 ft (CF)

Hole Diameter: 7.85 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

Serial #: 8374 Fluid

Press @ Run Depth: psig @ 3649.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.12.13 End Date: 2013.12.13

Last Calib.: 2013.12.13

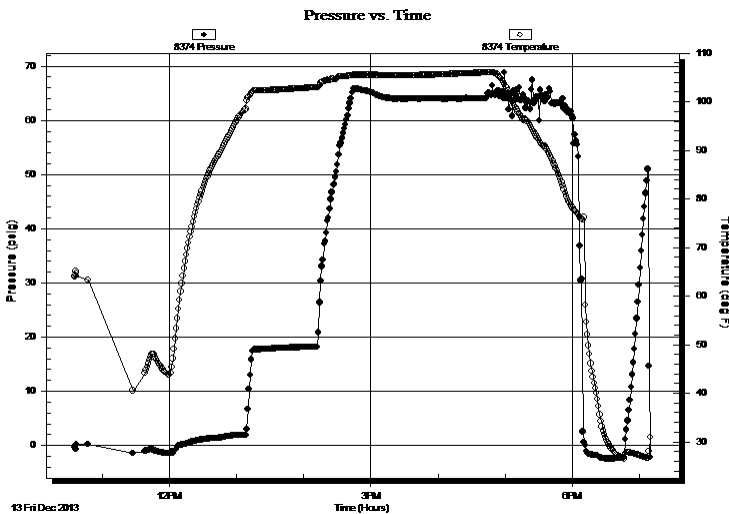
Start Time: 10:35:34 End Time: 19:09:29

Time On Btm:

Time Off Btm:

TEST COMMENT: 5-IFP-w k to a fr bl 1/2" to 4 1/2" bl
 60-ISIP-no bl
 30-FFP-w k to strg in 12min
 120-FSIP-1/4" bl bk

PRESSURE SUMMARY



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

Recovery

Length (ft)	Description	Volume (bbl)
0.00	275'GIP	0.00
65.00	CO	0.91
85.00	O&GCM 10%G25%O65%M	1.19

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

McElvain Energy Inc
1050 17th st.
STE 2500
Denver Co 80265-2080
ATTN: Chris Mitchell/ Jeff

31-10s-21w Graham
Walz 31-8
Job Ticket: 55458 **DST#: 3**
Test Start: 2013.12.13 @ 10:35:40

Mud and Cushion Information

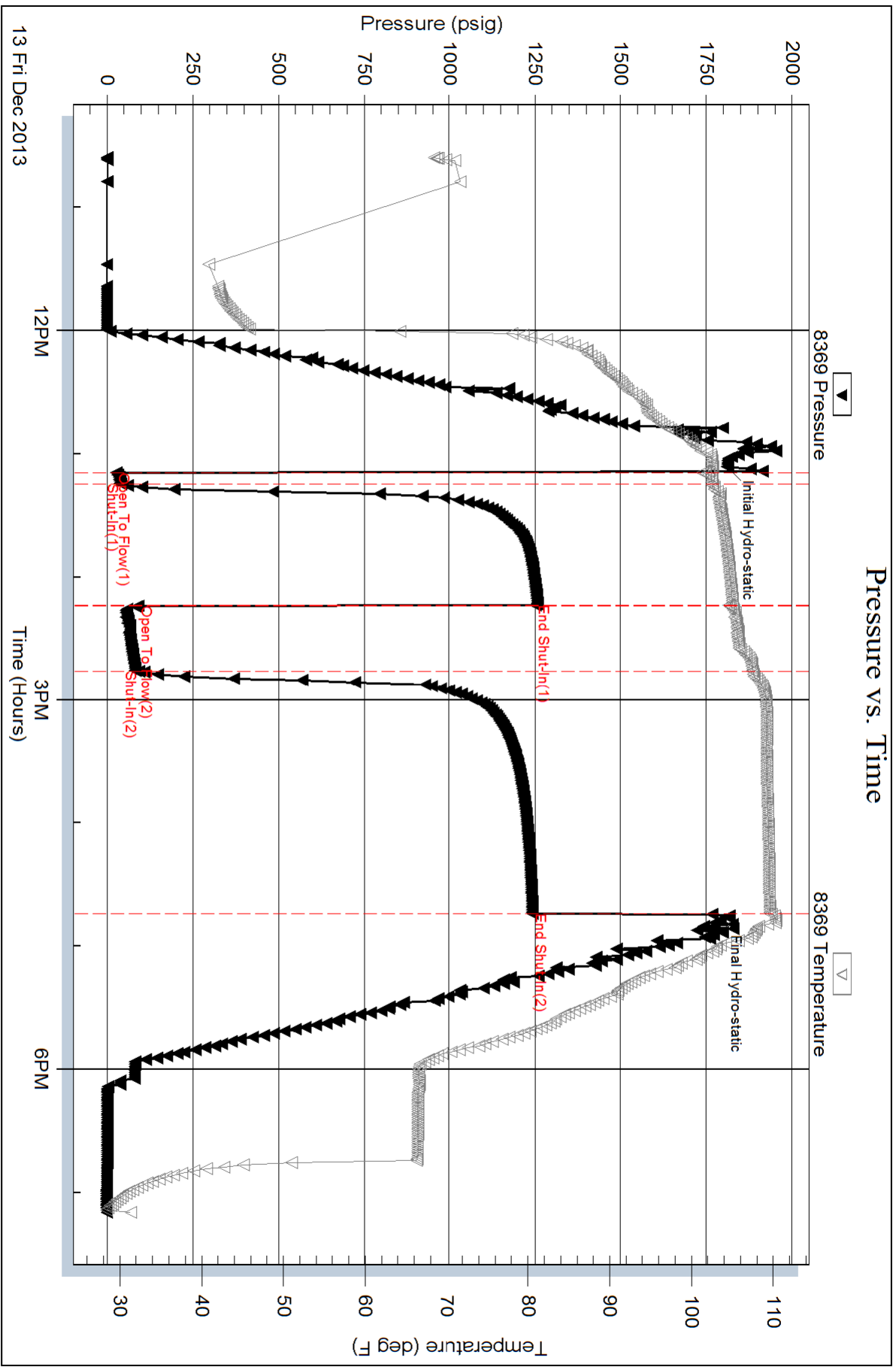
Mud Type: Gel Chem	Cushion Type:	Oil API: 35 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: ppm
Viscosity: 53.00 sec/qt	Cushion Volume: bbl	
Water Loss: 8.69 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 4000.00 ppm		
Filter Cake: 1.00 inches		

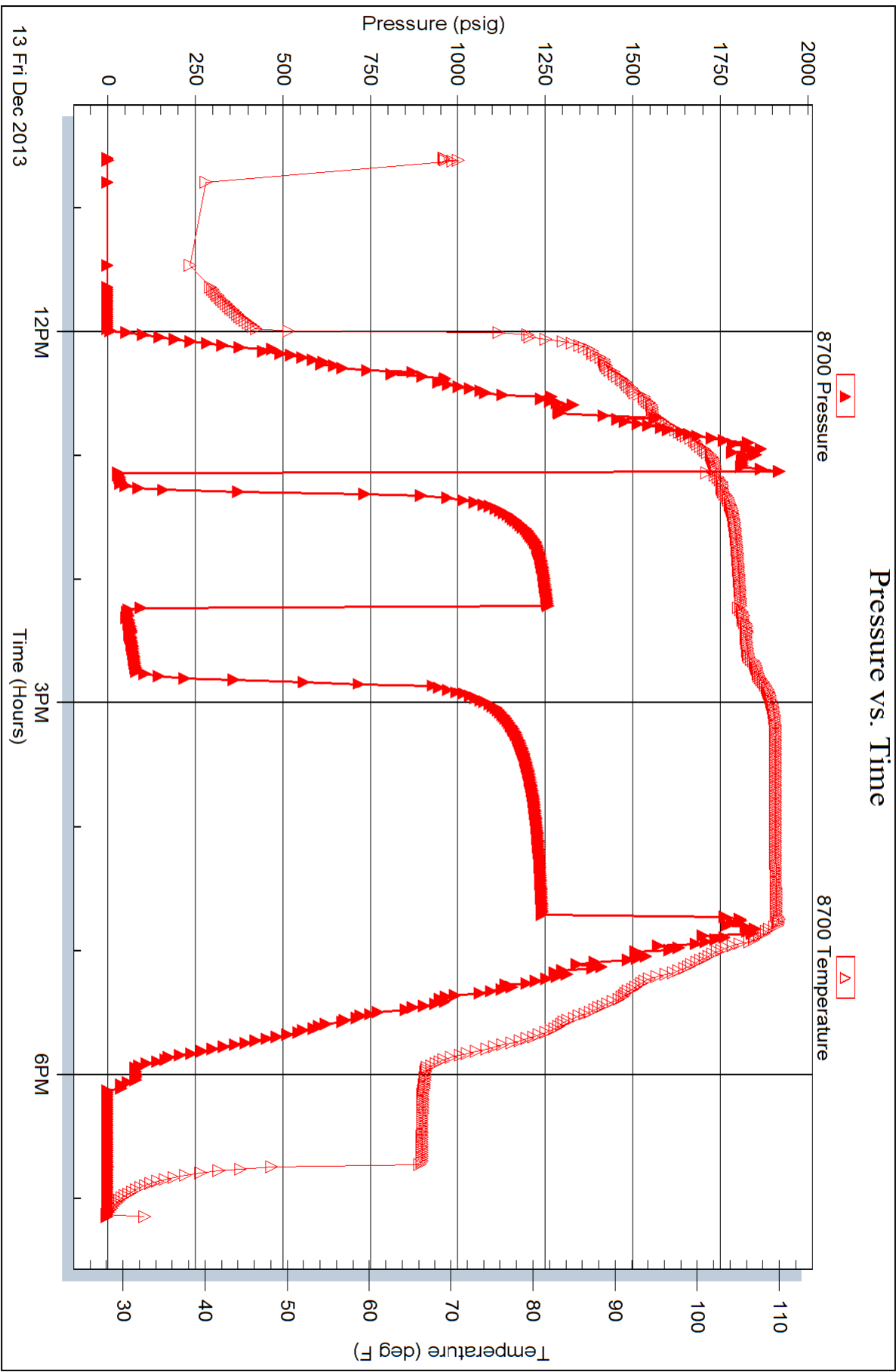
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	275'GIP	0.000
65.00	CO	0.912
85.00	O&GCM 10%G25%O65%M	1.192

Total Length: 150.00 ft Total Volume: 2.104 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments: Sampler Data: PSI: 450# 800ML gas 1000ML Oil 200ML mud





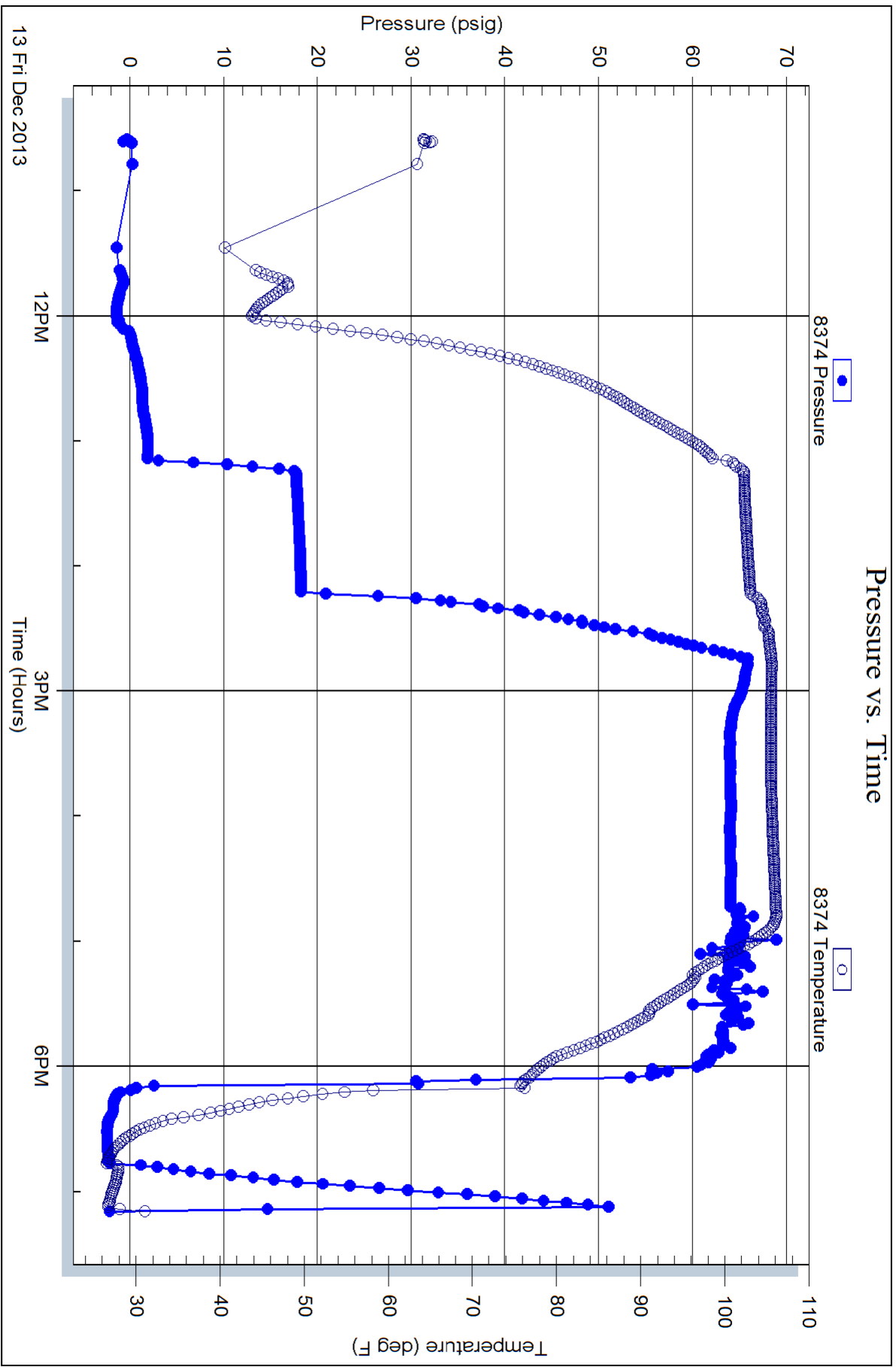
Serial #: 8374

Fluid

McElvain Energy Inc

Walz 31-8

DST Test Number: 3





QUALITY OILWELL CEMENTING, INC.
 PO Box 32 - 740 West Wichita Ave, Russell KS 67665
 Phone: 785-324-1041 fax: 785-483-1087
 Email: cementing@ruraltel.net

Date: 12/6/2013
 Invoice # 7616

P.O.#:
 Due Date: 1/5/2014
 Division: Russell

Invoice

RECEIVED

DEC 16 2013

McElvain Energy, Inc.
 Denver Office

Contact:
 MCELVAIN OIL & GAS PROP
Address/Job Location:
 MCELVAIN OIL & GAS PROP
 1050 17th Street
 Suite 2500
 DENVER CO 80265

CODE: 4225

DEC 18 2013

APPROVED: JRR

Reference:
 WALZ 31-8

Description of Work:
 SURFACE JOB

Services / Items Included:	Quantity	Price	Taxable	Item	Quantity	Price	Taxable
Labor		\$ 1,020.55	No				
Common-Class A	200	\$ 3,352.94	Yes				
Bulk Truck Matl-Material Service Charge	211	\$ 471.65	No				
Pump Truck Mileage-Job to Nearest Camp	42	\$ 468.47	No				
Calcium Chloride	7	\$ 435.46	Yes				
Bulk Truck Mileage-Job to Nearest Bulk Plant	42	\$ 274.14	No				
8 5/8" Centralizer	2	\$ 143.06	Yes				
8 5/8" Wooden Plug	1	\$ 93.88	Yes				
Premium Gel (Bentonite)	4	\$ 72.78	Yes				

Invoice Terms:

Net 30

SubTotal: \$ 6,332.92
 Discount Available ONLY if Invoice is Paid & Received within listed terms of invoice: \$ (949.94)

SubTotal for Taxable Items:	\$ 3,483.40
SubTotal for Non-Taxable Items:	\$ 1,899.58
Total:	\$ 5,382.98
Tax:	\$ 257.77

7.40% Graham County Sales Tax

Thank You For Your Business!

Amount Due: \$ 5,640.75
Applied Payments:
Balance Due: \$ 5,640.75

Past Due Invoices are subject to a service charge (annual rate of 24%)
 This does not include any applicable taxes unless it is listed.
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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. 7616

Date	12-6-13	Sec.	31	Twp.	10	Range	21	County	Graham	State	KS	On Location	8:00 pm	Finish	11:45 pm.
------	---------	------	----	------	----	-------	----	--------	--------	-------	----	-------------	---------	--------	-----------

Lease **Walz** Well No. **31-8** Location **Ogallah N to County Line**
Owner **LE to 350 RD 3/4 N W into**

Contractor **Val Rig 6** To Quality Oilwell Cementing, Inc.
Type Job **Surface** You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.

Hole Size **12 1/4** T.D. **352** Charg To **McElvain**

Csg. **8 5/8** Depth **352.35** Street **1**

Tbg. Size _____ Depth _____ City _____ State _____

Tool _____ Depth _____ The above was done to satisfaction and supervision of owner agent or contractor.

Cement Left in Csg. **20ft** Shoe Joint **20 ft** Cement Amount Ordered **200 3900 790 gal**

Meas Line _____ Displace **21 BBL**

EQUIPMENT Common **200**

Pumptrk 17 No.	Cementer Matt	Helper		Poz. Mix
Bulktrk 1 No.	Driver Cody	Driver		Gel. 4
Bulktrk pu No.	Driver Doug	Driver		Calcium 7

JOB SERVICES & REMARKS Hulls _____

Remarks: _____ Salt _____

Rat Hole _____ Flowseal _____

Mouse Hole _____ Kol-Seal _____

Centralizers _____ Mud CLR 48 _____

Baskets _____ CFL-117 or CD110 CAF 38 _____

D/V or Port Collar _____ Sand _____

Cement did Circulate Handling **211**

Mileage **8 5/8** **FLOAT EQUIPMENT**

Guide Shoe _____

Centralizer **2**

Baskets _____

AFU Inserts _____

Float Shoe _____

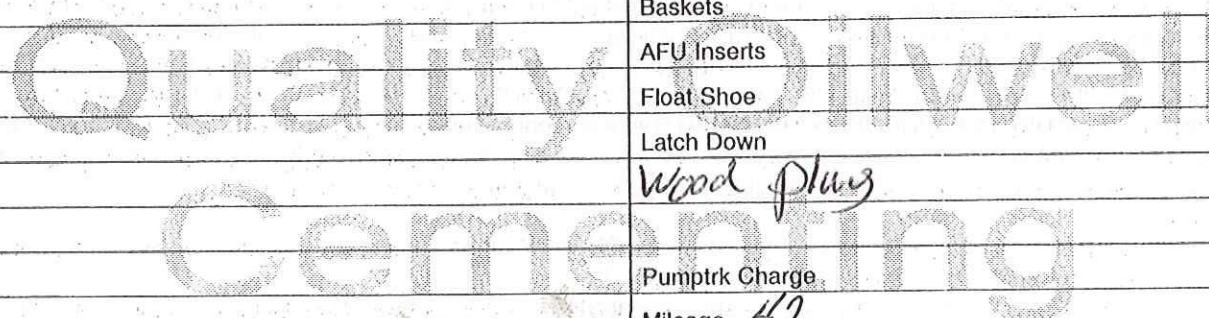
Latch Down _____

Wood plug

Pumptrk Charge _____ Mileage **42**

Tax _____
Discount _____
Total Charge _____

X Signature **[Signature]**





QUALITY OILWELL CEMENTING, INC.
 PO Box 32 - 740 West Wichita Ave, Russell KS 67665
 Phone: 785-324-1041 fax: 785-483-1087
 Email: cementing@ruraltel.net

Date: 12/15/2013
 Invoice # ~~7821~~ 7622

P.O.#:
 Due Date: 1/14/2014
 Division: Russell

Invoice

RECEIVED

DEC 30 2013

McElvain Energy, Inc.
 Denver Office

Contact:
 MCELVAIN OIL & GAS PROP
Address/Job Location:
 MCELVAIN OIL & GAS PROP
 1050 17th Street
 Suite 2500
 DENVER CO 80265

CODE: 5225

JAN 07 2014

Stage #1 of Cont Job

APPROVED: JRR

Reference:
 WALZ 31-8 SEC 31-21-10

Description of Work:
 PROD LONG STRING TOP STAGE

Services / Items Included:	Quantity	Price	Taxable	Item	Quantity	Price	Taxable
Labor		\$ 1,020.55	No				
mon, MetsoBeads, Plater, Gel, FloSeal, Calcium)	310	\$ 6,624.52	Yes				
Bulk Truck Matl-Material Service Charge	350	\$ 782.35	No				
Pump Truck Mileage-Job to Nearest Camp	42	\$ 468.47	No				
Bulk Truck Mileage-Job to Nearest Bulk Plant	42	\$ 274.14	No				
Flo Seal	87	\$ 194.47	Yes				

Invoice Terms:

Net 30

SubTotal:	\$	9,364.50
Discount Available <u>ONLY</u> if Invoice is Paid & Received within listed terms of invoice:	\$	(1,404.67)
SubTotal for Taxable Items:	\$	5,796.14
SubTotal for Non-Taxable Items:	\$	2,163.68
Total:	\$	7,959.83
Tax:	\$	428.91
Amount Due:	\$	8,388.74
Applied Payments:		
Balance Due:	\$	8,388.74

7.40% Graham County Sales Tax

Thank You For Your Business!

Past Due Invoices are subject to a service charge (annual rate of 24%)
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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. 7622

Date	12-15-13	Sec.	31	Twp.	21	Range	10	County	Graham	State	KS	On Location	2:00PM	Finish	12:45AM
Lease								Well No.		Owner					
WALZ								31-8		West into					
Contractor								To Quality Oilwell Cementing, Inc.							
Vul 6								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								Charge To							
2 Stage								McElvain Oil & Gas Corp							
Hole Size								Depth							
7 7/8								4000							
Csg.								Stre							
5 1/2								McElvain Oil & Gas Corp							
Tbg. Size								City							
								State							
Tool								The above was done to satisfaction and supervision of owner agent or contractor.							
Cement Left in Csg.								Cement Amount Ordered							
42								350 QMDC							
Meas Line								Displace							
15.5								40 BBL							
EQUIPMENT								Common							
Pumptrk								Poz. Mix							
18 No. Cementer/Helper								note							
Bulktrk								Gel.							
19 No. Driver								Cody							
Bulktrk								Calcium							
pu No. Driver								Chad							
JOB SERVICES & REMARKS								Hulls							
Remarks:								Salt							
Rat Hole								Flowseal							
30 S/S								87 #							
Mouse Hole								Kol-Seal							
15 S/S															
Centralizers								Mud CLR 48							
Baskets								CFL-117 or CD110 CAF 38							
D/V or Port Collar								Sand							
Circulated 4 hours								Handling							
Plug Rat and mouse hole								350							
Mix 800 down hole								Mileage							
Displace 40 BBL								FLOAT EQUIPMENT							
Lift 800 PSI								Guide Shoe							
Land 2,000 PSI								Centralizer							
								Baskets							
								AFU Inserts							
								Float Shoe							
								Latch Down							
MIXED 310 S/S								Pumptrk Charge							
Cement did Circulate								prod Long String							
								Mileage							
								42							
Signature								Tax							
								Discount							
								Total Charge							
								Top Stage							



QUALITY OILWELL CEMENTING, INC.

PO Box 32 - 740 West Wichita Ave, Russell KS 67665
 Phone: 785-324-1041 fax: 785-483-1087
 Email: cementing@ruraltel.net

Date: 12/15/2013
 Invoice # 7621

P.O.#:

Due Date: 1/14/2014

Division: Russell

Invoice

Contact:

MCELVAIN OIL & GAS PROP
 Address/Job Location:
 MCELVAIN OIL & GAS PROP
 1050 17th Street
 Suite 2500
 DENVER CO 80265

RECEIVED

DEC 30 2013

McElvain Energy
 Denver Office

CODE: S225

JAN 07 2014

APPROVED: JRR

Stage #2 of contract job

Reference:

WALZ 31-8 SEC 31-21-10

Description of Work:

PROD LONG STRING BOTTOM STAGE

Services / Items Included:	Quantity	Price	Taxable	Item	Quantity	Price	Taxable
Labor		\$ 1,020.55	No	Mud Clear	500	\$413.53	Yes
Weatherford 5 1/2 Stage Tool	1	\$ 6,035.29	Yes	Defoamer A or CAF-38	50	\$391.18	Yes
Pro-C Cement	225	\$ 4,275.00	Yes	Auto Fill Float Shoe, 5 1/2"	1	\$342.00	Yes
5 1/2" Basket	5	\$ 1,922.35	Yes	Salt (Fine)	19	\$296.44	Yes
Gilsonite	1057	\$ 1,772.03	Yes	Bulk Truck Mileage-Job to Nearest Bulk Plant	42	\$274.14	No
CFL 117	176	\$ 1,211.71	Yes	Flo Seal	56	\$125.18	Yes
5 1/2" Turbolizer	10	\$ 648.24	Yes	KCL	2	\$66.75	Yes
Weatherford 5 1/2 Latch Down Plug w/Baffle	1	\$ 625.88	Yes	Rotating Head (4 1/2", 5 1/2", or 2 7/8")	1	\$40.24	No
Bulk Truck Matl-Material Service Charge	254	\$ 567.76	No				
CD-110	117	\$ 523.06	Yes				
Pump Truck Mileage-Job to Nearest Camp	42	\$ 468.47	No				

SubTotal: \$ 21,019.79

Invoice Terms:

Net 30

Discount Available ONLY if Invoice is Paid & Received within listed terms of invoice: \$ (3,152.97)

SubTotal for Taxable Items: \$ 15,851.34

SubTotal for Non-Taxable Items: \$ 2,015.48

Total: \$ 17,866.82

Tax: \$ 1,173.00

7.40% Graham County Sales Tax

Thank You For Your Business!

Amount Due: \$ 19,039.82

Applied Payments:

Balance Due: \$ 19,039.82

Past Due Invoices are subject to a service charge (annual rate of 24%)

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QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

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

No. 7621

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

Date	12-15-13	Sec.	31	Twp.	21	Range	10	County	Graham	State	KS	On Location	2.00pm	Finish	8.00pm
Location								Ogchulu N to CL 2 E							

Lease	Walz	Well No.	31-8	Owner	1/2 N Winto
Contractor	Val		6	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	5 Stage			Char To	
Hole Size	7 7/8	T.D.	4000	Stre	McEIVAIN Oil & Gas Corp
Csg.	5 1/2	Depth	3993.62	City	
Tbg. Size		Depth		State	
Tool		Depth		The above was done to satisfaction and supervision of owner agent or contractor.	
Cement Left in Csg.	42.43	Shoe Joint	42.43	Cement Amount Ordered	225 pro C 10% salt
Meas Line	15.5	Displace	95	5% g/l sonite 1/4 flowseal 3% CD110 25% GAF-3	
EQUIPMENT			Common 225 Q pr-c		

Pumptrk	15	No.	Cementer	mt
			Helper	
Bulktrk	14	No.	Driver	Cody
			Driver	
Bulktrk	pu	No.	Driver	Heath
			Driver	

JOB SERVICES & REMARKS

Remarks:

Rat Hole ~~32 1/2~~
 Mouse Hole ~~15 1/2~~
 Centralizers
 Baskets
 D/V or Port Collar
 Dropped Ball
 Circulate 45 min
 mixed 225 down hole
 Displaced 45 mud work
 so mud set plug Dropped
 Bomb open OK tool
 Circulated 4 hours
 L.P. 900 PSI
 Land 1600 PSI

Poz. Mix
 Gel. CD110 117#
 Calcium
 Halls KCL 2 gal
 Salt 19
 Flowseal 56#
 Kol-Seal ~~1057~~ 1057#
 Mud CLR 48 500 gal
 CFL-117 or CD110 CAF 38 -50#
 Sand 176#
 Handling 254
 Mileage

FLOAT EQUIPMENT

Guide Shoe
 Centralizer 5 Red Bus Net
 Baskets 1 10 tubs
 AFU Inserts
 Float Shoe 1
 Latch Down 1 weatherford
 DV Weatherford Tool

Pumptrk Charge		Tax	
Mileage	42	Discount	
Total Charge			

Signature
 X
 [Signature]