



KANSAS CORPORATION COMMISSION 1069294  
OIL & GAS CONSERVATION DIVISION

Form ACO-1  
June 2009  
Form Must Be Typed  
Form must be Signed  
All blanks must be Filled

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 9810  
Name: McElvain Energy, Inc.  
Address 1: 1050 17TH ST STE 2500  
Address 2: \_\_\_\_\_  
City: DENVER State: CO Zip: 80265 + 2080  
Contact Person: Jim McKinney  
Phone: ( 303 ) 893-0933  
CONTRACTOR: License # 33575  
Name: WW Drilling, LLC  
Wellsite Geologist: Herb Deines  
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 #: \_\_\_\_\_

<u>10/11/2011</u>	<u>10/18/2011</u>	<u>11/23/2011</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-065-23774-00-00

Spot Description: \_\_\_\_\_

W2\_SE\_SW\_SW Sec. 1 Twp. 10 S. R. 23  East  West  
330 Feet from  North /  South Line of Section  
960 Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE     NW     SE     SW

County: Graham

Lease Name: Ninemire 1-13 Well #: #1

Field Name: Law Southeast

Producing Formation: Lansing

Elevation: Ground: 2421 Kelly Bushing: 2424

Total Depth: 4230 Plug Back Total Depth: 4180

Amount of Surface Pipe Set and Cemented at: 262 Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set: 1940 Feet

If Alternate II completion, cement circulated from: 1940

feet depth to: 0 w/ 380 sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: 6000 ppm Fluid volume: 700 bbls

Dewatering method used: Evaporated

Location of fluid disposal if hauled offsite: \_\_\_\_\_

Operator Name: \_\_\_\_\_

Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

County: \_\_\_\_\_ Permit #: \_\_\_\_\_

AFFIDAVIT

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

Submitted Electronically

KCC Office Use ONLY

- Letter of Confidentiality Received  
Date: \_\_\_\_\_  
 Confidential Release Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution  
ALT  I  II  III Approved by: Doanna Gantzer Date: 12/08/2011



1069294

Operator Name: McElvain Energy, Inc. Lease Name: Ninemire 1-13 Well #: #1  
 Sec. 1 Twp. 10 S. R. 23  East  West County: Graham

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

Drill Stem Tests Taken <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i>  List All E. Logs Run:  Dual Compensated Porosity Dual Induction Microresistivity	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:60%;">Name Attached</td> <td style="width:20%;">Top Attached</td> <td style="width:20%;">Datum Attached</td> </tr> </table>	Name Attached	Top Attached	Datum Attached
Name Attached	Top Attached	Datum Attached		

CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface Casing	12.25	8.625	23	262	Common	175	3% CaCl2, 2% gel
Production Casing	7.875	4.5	11.6	4219	Stage 1: 250 sz "A"; Stage 2: 1	630	3% CaCl2 + 2% gel

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	-			
	-			

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
4	3891' - 3900' (Lansing "K")	Initial 250 gal 20% MCA followed by 1000 gal 20% NEFE	3891' - 3900
4	3870' - 3874 (Lansing "J")	Initial 250 gal 20% MCA followed by 750 gal 20% NEFE	3870' - 3874

TUBING RECORD: Size: <u>2.375</u> Set At: <u>4175'</u> Packer At: _____		Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Date of First, Resumed Production, SWD or ENHR. <u>11/23/2011</u>		Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____	
Estimated Production Per 24 Hours	Oil Bbls. <u>43</u>	Gas Mcf <u>2</u>	Water Bbls. <u>2</u>
Gas-Oil Ratio		Gravity <u>36</u>	

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 checked="" 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 (Specify) _____	PRODUCTION INTERVAL: <u>3891' - 3900'</u> <u>3870' - 3874'</u>
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Form	ACO1 - Well Completion
Operator	McElvain Energy, Inc.
Well Name	Ninemire 1-13 #1
Doc ID	1069294

Tops

Topeka	3445	-1021
Heebner	3663	-1239
Toronto	3686	-1262
Lansing	3699	-1275
Lansing "D"	3747	-1323
Lansing "H"	3824	-1400
Lansing "J"	3870	-1446
Lansing "K"	3885	-1461
Base Lansing	3923	-1499
Marmaton	3968	-1544
Pawnee	4012	-1588
Cherokee	4050	-1625
Conglomerate	4121	-1697
Arbuckle	4183	-1759
TD	4229	-1805

# QUALITY OILWELL CEMENTING, INC.

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

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

No. 5350

Date	10-11-11	Sec.	1	Twp.	10	Range	23	County	Greghan	State	KS	On Location		Finish	7:15 pm.
Lease	Ninem. A.E. L-13			Well No.	1			Location Wagon / V R F I E I W 1/4 E N 1/2							
Contractor	W/W #6							Owner							
Type Job	Surface							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.							
Hole Size	12 1/4			T.D.	263			Charge To							
Csg.	8 5/8			Depth	262			McElvain Oil & Gas prod							
Tbg. Size				Depth				Street							
Tool				Depth				City State							
Cement Left in Csg.	15'			Shoe Joint				The above was done to satisfaction and supervision of owner agent or contractor.							
Meas Line				Displace	1.5 1/2 BCL			Cement Amount Ordered 175 Com 30/40 2 1/2 1/2 1							

**EQUIPMENT**

Pumptrk	5	No.	Cementer	Chas	Common	175
			Helper			
Bulktrk		No.	Driver	Steve	Poz. Mix	
			Driver			
Bulktrk	14	No.	Driver	Conf	Gel.	3
			Driver			

**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. Est. Circulation.	Sand
MCX 12592 & Displace.	Handling 184
Cement Circulation	Mileage

**FLOAT EQUIPMENT**

Guide Shoe	
Centralizer	
Baskets	
AFU Inserts	
Float Shoe	
Latch Down	
Pumptrk Charge	Surface
Mileage	49

Tax  
Discount  
Total Charge

X Signature *Mark Biggs*

# QUALITY OILWELL CEMENTING, INC.

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

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

No. 5198

Date	10-18-11	Sec.	1	Twp.	10	Range	23	County	Graham	State	Ks	On Location	12:45 PM
Lease	Nine-mile		Well No.	1-13 #1		Location Wakeeney, Ks - W to E Rd, 1E, 1N, 4E							
Contractor	w-w #6				Owner	MS							
Type Job	Production				top	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.							
Hole Size	7 7/8"				T.D.	4230'							
Csg.	4 1/2"				Depth	<del>4219.15'</del>							
Tbg. Size					Depth	4219.15'							
Tool	DU Tool				Depth	1944'							
Cement Left in Csg.	2230'				Shoe Joint	2230'							
Meas Line					Displace	30 BLS							
					Charge To	McElvain oil + gas							
					Street								
					City	State							
The above was done to satisfaction and supervision of owner agent or contractor.													
					Cement Amount Ordered	380 QMDC 4 E.S.							

EQUIPMENT												
Pumptrk	1	No.	Cementor	Cisco		Common	380					
Bulktrk	12	No.	Driver	Beckl		Poz. Mix						
Bulktrk	p.u.	No.	Driver	Rick		Gel.						
JOB SERVICES & REMARKS												
Remarks:	Hulls											
Rat Hole	30 5X											
Mouse Hole	Flowseal 95#											
Centralizers	Koi-Seal											
Baskets	Mud CLR 48											
Or Port Collar	56 - 1944'											
pipe on bottom	break Circulation											
plug Rat hole	with 30 5X QMDC											
mix 350 5X QMDC	shut down											
wash pump + lines	Released plug											
+ Displaced with	30 BLS of water.											
water.	Released + Held.											
Lift pressure	500 #											
land plug	to 1400 #											
Cement did	Circulate.											
Pumptrk Charge	prol Long String											
Mileage	49											
Tax												
Discount												
Total Charge												

X Signature

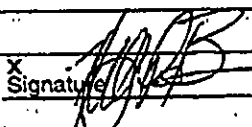
Top  
Stage

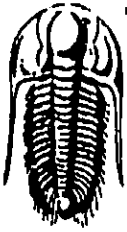
# QUALITY OILWELL CEMENTING, INC.

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

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

No. 5197

Date	10-18-11	Sec.	1	Twp.	10	Range	23	County	Graham	State	Ks	On Location		Finish	9:45 AM	
Lease	Ninemire			Well No.	1-13 1			Location Wakeeny, Ks - N to E Rd, 1E, 1N, 1/4E								
Contractor	W-W #6							Owner N/S								
Type Job	Production			Bottom			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.									
Hole Size	7 7/8"			T.D.			4230'			Charge To McElvain oil & gas						
Csg.	11.50 # 4 1/2" new			Depth			4219.15'			Street						
Tbg. Size				Depth			Street									
Tool	DU Tool			Depth			1944'			City State						
Cement Left in Csg.	22.30'			Shoe Joint			22.30'			The above was done to satisfaction and supervision of owner agent or contractor.						
Meas Line				Displace			65 BLS			Cement Amount Ordered 260 sx Common 3% CC						
<b>EQUIPMENT</b>												2% Gel 1/4# F.S. 500 Mud Clear 48				
Pumptrk	1	No.		Cementer	Caso			Common 260								
Bulktrk	8	No.		Driver	Brian S.			Poz. Mix								
Bulktrk	p.u.	No.		Driver	Rick			Gel. 5								
<b>JOB SERVICES &amp; REMARKS</b>												Calcium 9				
Remarks:																
Rat Hole	y will plug on top stage											Salt				
Mouse Hole	N/A											Flowseal 6.5#				
Centralizers	1, 3, 5, 7, 9, 11, 13, 15, 57											Kok-Seal				
Baskets	15, 56											Mud CLR 48 500				
D/V or Port Collar	56 - 1944'											CFL-117 or CD110 CAF 38				
pipe on bottom, break Circulation, <del>260</del> pump 500 gal mud clear																
48 pump 5 BLS of Freshwater																
mix 260 sx Common 3% CC, 2% Gel																
1/4# F.S., shut down, wash pump																
r-line, Released plug + displaced																
with 32 BLS of water, 33 BLS																
of mud 65 BLS total																
Lift pressure 600 #																
Land plug to 1300 #																
<b>FLOAT EQUIPMENT</b>																
Guide Shoe																
Centralizer 9 turbos																
Baskets 2																
AFU Inserts																
Float Shoe 1																
Latch Down																
1-DU Tool w/L. Down																
Drop Barb open tool w/800 # plug Bottom Stage																
Break Circulation																
Pumptrk Charge prod Long String																
Mileage 49																
Signature 												Tax				
												Discount				
												Total Charge				



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

McEvain Oil & Gas Properties

1-10s-23w-Graham

1050 17TH Street  
Suite 2500  
Denver, CO. 80265  
ATTN: Jeff Lawler

Ninemire #1-13

Job Ticket: 43500

DST#: 3

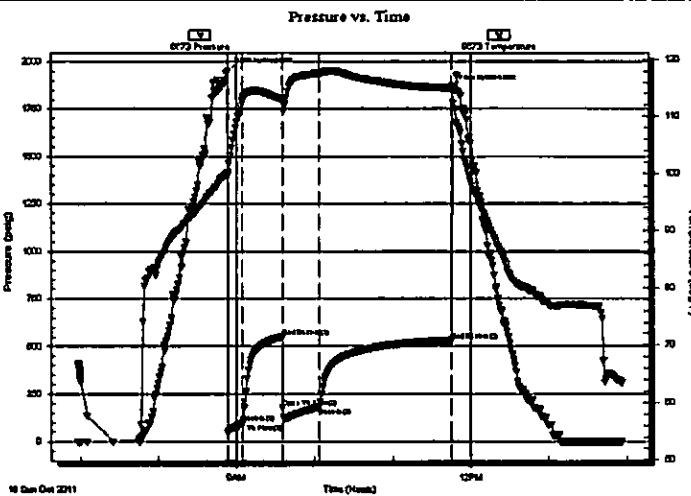
Test Start: 2011.10.16 @ 06:58:07

## GENERAL INFORMATION:

Formation: J  
 Deviated: No Whipstock: ft (CF)  
 Time Tool Opened: 08:53:22  
 Time Test Ended: 13:56:22  
 Interval: 3869.00 ft (CF) To 3890.00 ft (CF) (TVD)  
 Total Depth: 3890.00 ft (CF) (TVD)  
 Hole Diameter: 7.80 inches Hole Condition: Good  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Jason McLemore  
 Unit No: 54  
 Reference Elevations: 2424.00 ft (KB)  
 2419.00 ft (CF)  
 KB to GR/CF: 5.00 ft

Serial #: 8673 Inside  
 Press@RunDepth: 181.36 psig @ 3872.00 ft (CF)  
 Start Date: 2011.10.16 End Date: 2011.10.16  
 Start Time: 06:58:09 End Time: 13:56:22  
 Capacity: 8000.00 psig  
 Last Calib.: 2011.10.16  
 Time On Btm: 2011.10.16 @ 08:53:07  
 Time Off Btm: 2011.10.16 @ 11:45:37

TEST COMMENT: FFP-Strong, BOB in 3 Mn.  
 IS-Blow back BOB in 16 Mn.  
 FFP-Strong, BOB in 2-1/2 Mn.  
 FSI-Blow back BOB in 14 Mn.



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1950.45	100.04	Initial Hydro-static
1	48.67	99.66	Open To Flow (1)
12	96.23	112.92	Shut-in(1)
42	547.66	113.06	End Shut-in(1)
43	177.94	112.60	Open To Flow (2)
71	181.36	117.59	Shut-in(2)
172	529.84	114.90	End Shut-in(2)
173	1860.12	115.28	Final Hydro-static

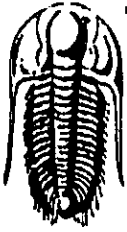
## Recovery

Length (ft)	Description	Volume (bbl)
105.00	OCM-10%O-90%M	0.52
360.00	Free Oil	4.91
0.00	1080' Gas In Pipe	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**

McElvain Oil & Gas Properties

1-10s-23w-Graham

1050 17TH Street  
Suite 2500  
Denver, CO. 80265  
ATTN: Jeff Lawler

**Ninemire #1-13**  
Job Ticket: 43500      **DST#: 3**  
Test Start: 2011.10.16 @ 06:58:07

**Mud and Cushion Information**

Mud Type: Gel Chem	Cushion Type:	Oil API: 38 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: ppm
Viscosity: 50.00 sec/qt	Cushion Volume: bbl	
Water Loss: 6.39 in <sup>3</sup>	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 3800.00 ppm		
Filter Cake: inches		

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
105.00	OCM-10%O-90%M	0.516
360.00	Free Oil	4.913
0.00	1080' Gas In Pipe	0.000

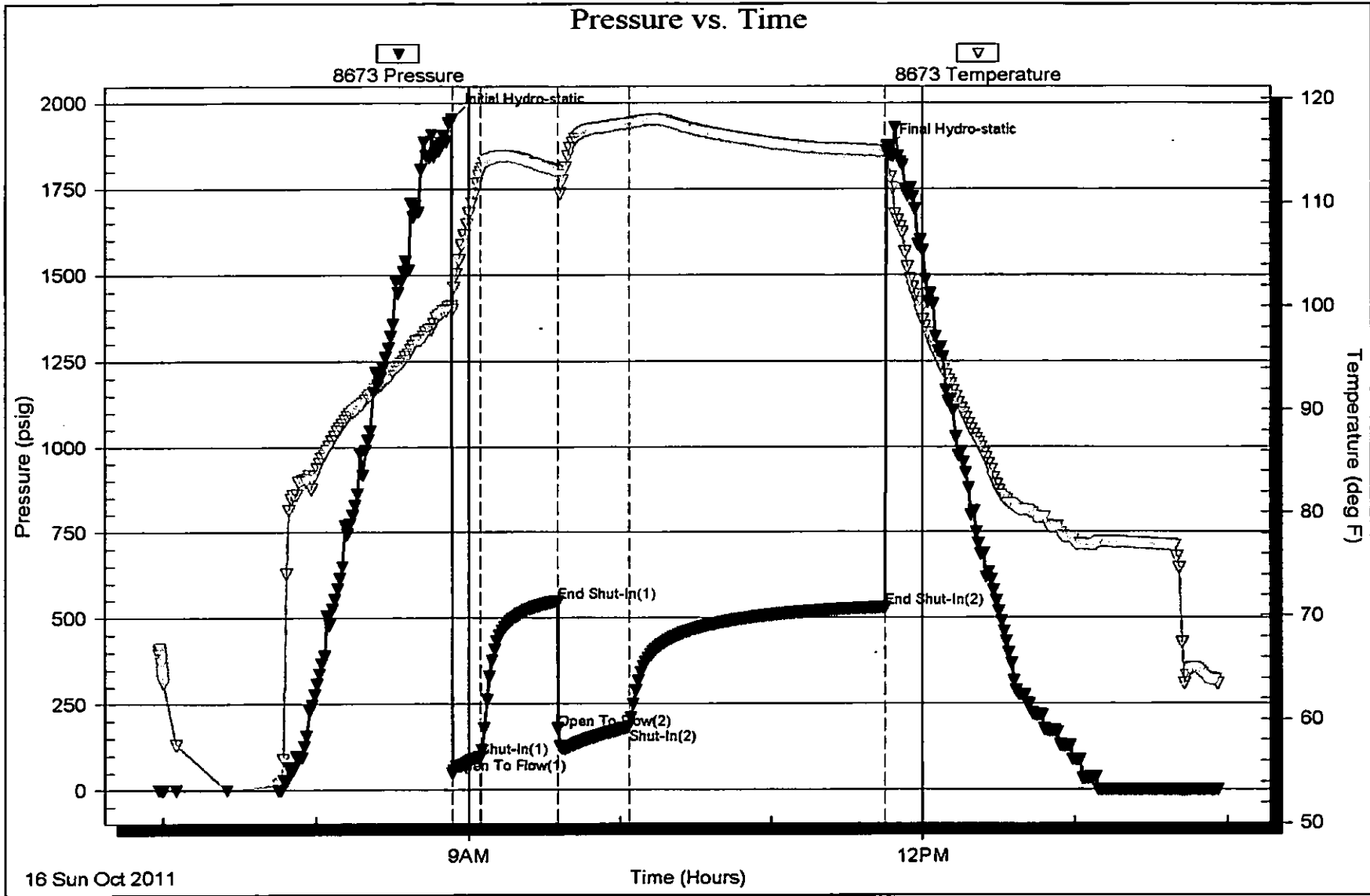
Total Length: 465.00 ft      Total Volume: 5.429 bbl

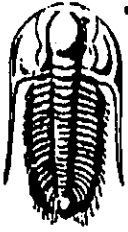
Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:

Laboratory Name:      Laboratory Location:

Recovery Comments:







**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

McEvain Oil & Gas Properties

1-10s-23w-Graham

1050 17TH Street  
Suite 2500  
Denver, CO. 80265  
ATTN: Jeff Lawler

Ninemire #1-13

Job Ticket: 43499

DST#: 2

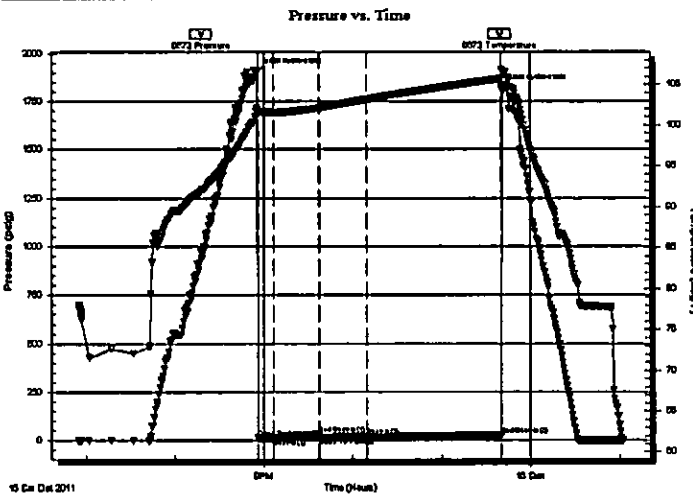
Test Start: 2011.10.15 @ 18:54:47

## GENERAL INFORMATION:

Formation: I  
 Deviated: No Whipstock: ft (CF)  
 Time Tool Opened: 20:56:02  
 Time Test Ended: 01:02:17  
 Interval: 3848.00 ft (CF) To 3870.00 ft (CF) (TVD)  
 Total Depth: 3870.00 ft (CF) (TVD)  
 Hole Diameter: 7.80 inches Hole Condition: Good  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Jason McLemore  
 Unit No: 54  
 Reference Elevations: 2424.00 ft (KB)  
 2419.00 ft (CF)  
 KB to GR/CF: 5.00 ft

Serial #: 8673 Inside  
 Press@RunDepth: 23.18 psig @ 3852.00 ft (CF)  
 Start Date: 2011.10.15 End Date: 2011.10.16  
 Start Time: 18:54:49 End Time: 01:02:17  
 Capacity: 8000.00 psig  
 Last Calib.: 2011.10.16  
 Time On Btrr: 2011.10.15 @ 20:55:17  
 Time Off Btrr: 2011.10.15 @ 23:40:47

TEST COMMENT: IFF-Weak Blow ,Built to 1/8"  
 ISI-Dead  
 FFP-Dead  
 FSI-Dead



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1906.32	102.00	Initial Hydro-static
1	13.54	101.52	Open To Flow (1)
12	14.09	101.53	Shut-In(1)
42	29.25	102.13	End Shut-In(1)
43	15.12	102.13	Open To Flow (2)
75	23.18	103.14	Shut-In(2)
166	25.94	105.74	End Shut-In(2)
166	1818.40	106.83	Final Hydro-static

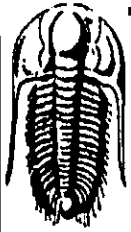
## Recovery

Length (ft)	Description	Volume (bbl)
2.00	Mud W/ Oil Spots	0.01

\* Recovery from multiple tests

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

McElvain Oil & Gas Properties

**1-10s-23w-Graham**

1050 17TH Street  
Suite 2500  
Denver, CO. 80265  
ATTN: Jeff Lawler

**Ninemire #1-13**  
Job Ticket: 43499      **DST#: 2**  
Test Start: 2011.10.15 @ 18:54:47

## 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: 50.00 sec/qt	Cushion Volume: bbl		
Water Loss: 6.39 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 3800.00 ppm			
Filter Cake: inches			

## Recovery Information

Recovery Table

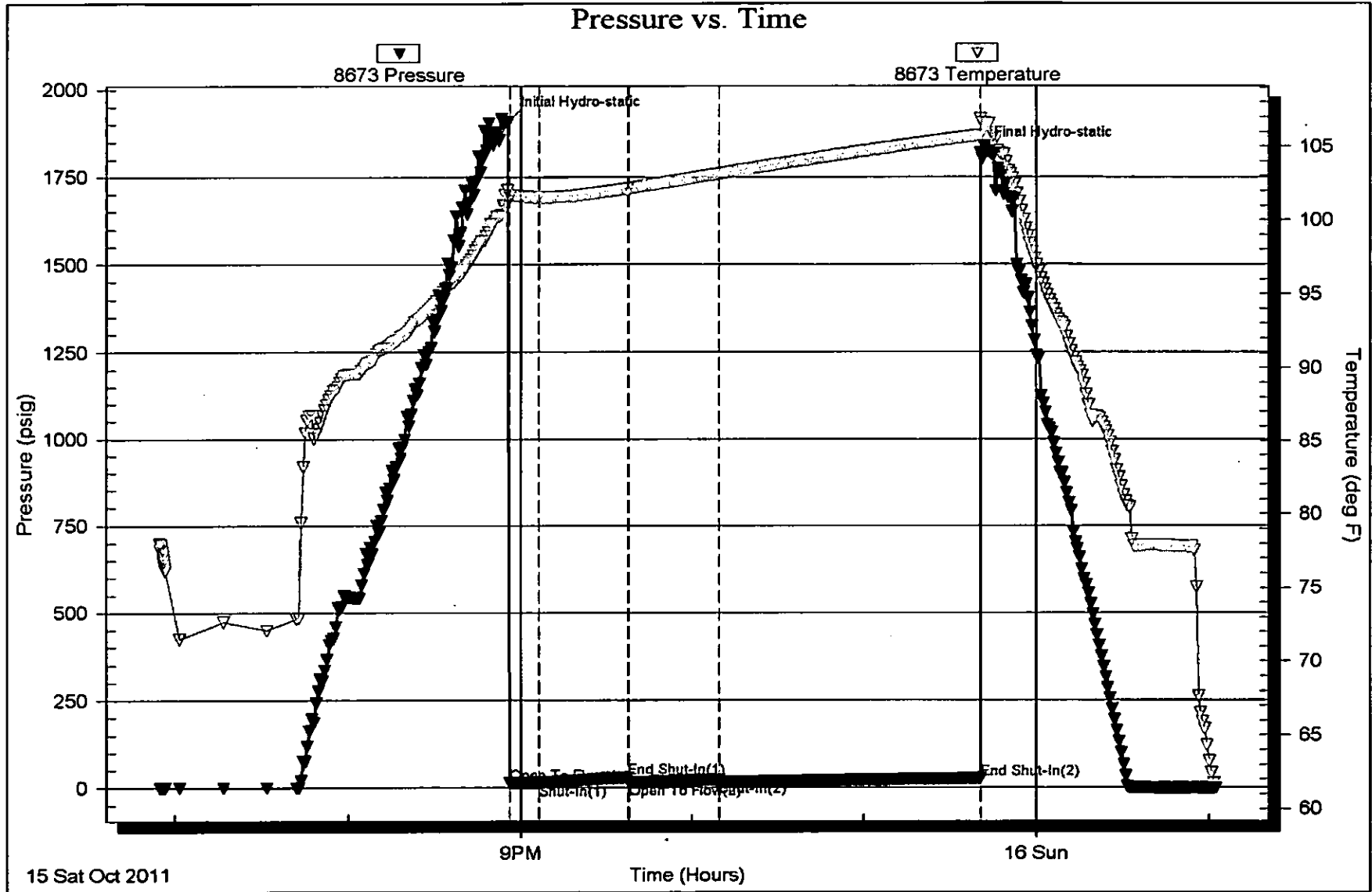
Length ft	Description	Volume bbl
2.00	Mud W/ Oil Spots	0.010

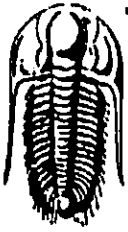
Total Length: 2.00 ft      Total Volume: 0.010 bbl

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

Laboratory Name:      Laboratory Location:

Recovery Comments:





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

McElvain Oil & Gas Properties

1-10s-23w-Graham

1050 17TH Street  
Suite 2500  
Denver, CO. 80265  
ATTN: Jeff Lawler

Ninemire #1-13

Job Ticket: 43498

DST#: 1

Test Start: 2011.10.15 @ 03:41:41

## GENERAL INFORMATION:

Formation: E-F

Deviated: No Whipstock: ft (CF)

Time Tool Opened: 05:07:11

Time Test Ended: 09:33:26

Test Type: Conventional Bottom Hole (Initial)

Tester: Jason McLemore

Unit No: 54

Interval: 3766.00 ft (CF) To 3804.00 ft (CF) (TVD)

Reference Elevations: 2424.00 ft (KB)

Total Depth: 3804.00 ft (CF) (TVD)

2419.00 ft (CF)

Hole Diameter: 7.80 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8673

Inside

Press@RunDepth: 106.59 psig @ 3770.00 ft (CF)

Capacity: 8000.00 psig

Start Date: 2011.10.15

End Date:

2011.10.15

Last Calib.: 2011.10.15

Start Time: 03:41:43

End Time:

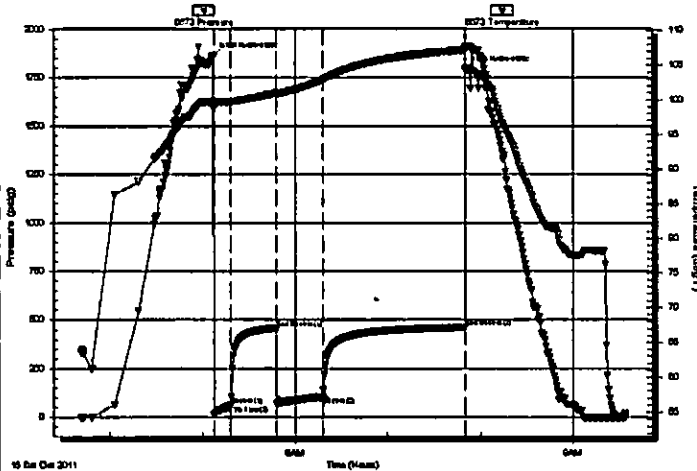
09:33:26

Time On Btm: 2011.10.15 @ 05:06:56

Time Off Btm: 2011.10.15 @ 07:50:26

TEST COMMENT: IFF-Fair Blow ,Built to 3-1/2"  
ISI-Dead  
FFP-Fair Blow ,Built to 8"  
FSI-Dead

Pressure vs. Time



## PRESSURE SUMMARY

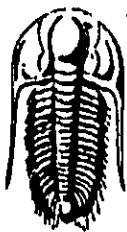
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1862.06	99.78	Initial Hydro-static
1	17.73	98.71	Open To Flow (1)
12	62.80	99.66	Shut-In(1)
41	458.45	100.97	End Shut-In(1)
41	72.10	100.85	Open To Flow (2)
72	106.59	102.93	Shut-In(2)
163	462.28	107.20	End Shut-In(2)
164	1793.15	107.71	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
195.00	Muddy Water-60%W-40%M	1.64

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

McElvain Oil & Gas Properties

**1-10s-23w-Graham**

1050 17TH Street  
Suite 2500  
Denver, CO. 80265  
ATTN: Jeff Lawler

**Ninemire #1-13**  
Job Ticket: 43498      **DST#: 1**  
Test Start: 2011.10.15 @ 03:41:41

## 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:	58000 ppm
Viscosity: 50.00 sec/qt	Cushion Volume: bbl		
Water Loss: 6.40 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 3800.00 ppm			
Filter Cake: inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
195.00	Muddy Water-60%W-40%M	1.642

Total Length: 195.00 ft      Total Volume: 1.642 bbl

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

Laboratory Name:      Laboratory Location:

Recovery Comments:

