



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

McElvain Energy Inc
1050 17th St Ste 2500
Denver CO 80265-2080
ATTN: Rodney Gonzales

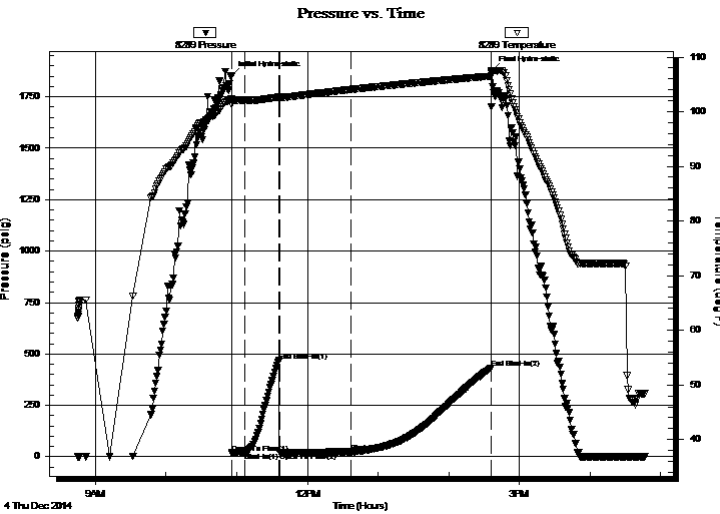
15 10s 22w Graham
Herman 15-7
Job Ticket: 61378 **DST#: 1**
Test Start: 2014.12.04 @ 08:45:00

GENERAL INFORMATION:

Formation: **LKC "H & I"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 10:55:45
Time Test Ended: 16:47:00
Interval: **3662.00 ft (KB) To 3703.00 ft (KB) (TVD)**
Total Depth: 3703.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole (Initial)
Tester: Jim Svaty
Unit No: 76
Reference Elevations: 2279.00 ft (KB)
2269.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 8289 Outside
Press@RunDepth: 24.17 psig @ 3668.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2014.12.04 End Date: 2014.12.04 Last Calib.: 2014.12.04
Start Time: 08:45:02 End Time: 16:47:00 Time On Btm: 2014.12.04 @ 10:55:30
Time Off Btm: 2014.12.04 @ 14:36:30

TEST COMMENT: 10-IFP- Surface Blow Building to 1in.
30-ISIP- No Blow
60-FFP- Weak Surface Blow Died in 10min.
120-FSIP- No Blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1852.77	102.32	Initial Hydro-static
1	18.53	101.31	Open To Flow (1)
12	21.28	101.98	Shut-In(1)
41	467.80	102.66	End Shut-In(1)
41	21.89	102.52	Open To Flow (2)
102	24.17	104.05	Shut-In(2)
221	432.45	106.49	End Shut-In(2)
221	1878.45	107.35	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2.00	Mud 100%	0.03

Gas Rates

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



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Deviated: No Whipstock: ft (KB)

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Time Test Ended: 16:47:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Jim Svaty

Unit No: 76

Interval: 3662.00 ft (KB) To 3703.00 ft (KB) (TVD)

Total Depth: 3703.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2279.00 ft (KB)

2269.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 6668

Fluid

Press@RunDepth: psig @ 3628.00 ft (KB)

Start Date: 2014.12.04

End Date:

2014.12.04

Start Time: 08:45:02

End Time:

16:47:00

Capacity: 8000.00 psig

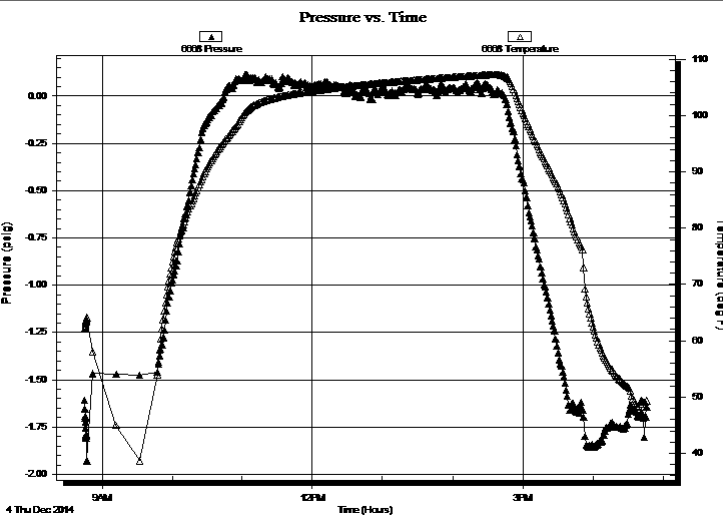
Last Calib.:

2014.12.04

Time On Btm:

Time Off Btm:

TEST COMMENT: 10-IFP- Surface Blow Building to 1in.
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PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
2.00	Mud 100%	0.03

Gas Rates

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



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FLUID SUMMARY

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15 10s 22w Graham

1050 17th St Ste 2500
Denver CO 80265-2080

Herman 15-7

Job Ticket: 61378

DST#: 1

ATTN: Rodney Gonzales

Test Start: 2014.12.04 @ 08:45:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 58.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.60 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1500.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2.00	Mud 100%	0.028

Total Length: 2.00 ft Total Volume: 0.028 bbl

Num Fluid Samples: 0

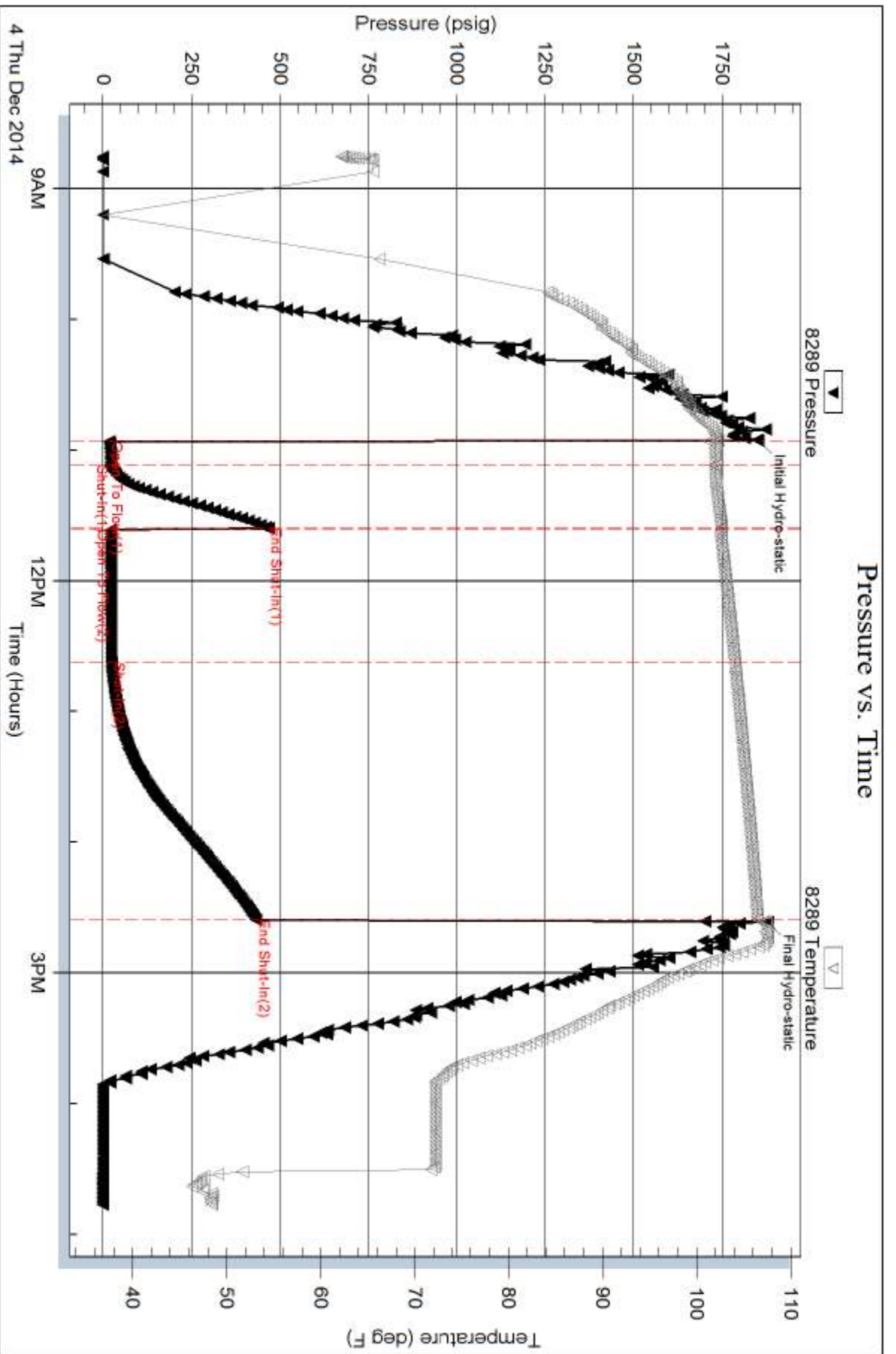
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Sampler 100ml Mud 100%-----70psi



Serial #: 6668

Fluid

McElvain Energy Inc

Herman 15-7

DST Test Number: 1

