



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Sam Gary Jr. and Associates, Inc.

6-10S-29W

1515 Wynkoop, Ste 700
Denver Co. 80202

Baalman

Job Ticket: 61020

DST#: 3

ATTN: Chris Micheal

Test Start: 2014.12.07 @ 07:25:00

GENERAL INFORMATION:

Formation: **Lans. - 'D'**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:19:15

Time Test Ended: 15:32:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Royal Fisher

Unit No: #54

Interval: 4034.00 ft (KB) To 4060.00 ft (KB) (TVD)

Reference Elevations: 2903.00 ft (KB)

Total Depth: 4060.00 ft (KB) (TVD)

2895.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

Serial #: 6753 Outside

Press @ Run Depth: 63.72 psig @ 4035.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.12.07 End Date: 2014.12.07

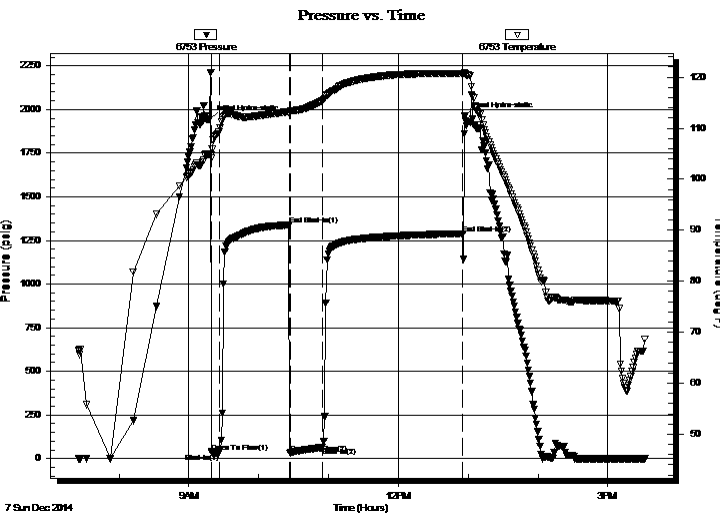
Last Calib.: 2014.12.07

Start Time: 07:25:05 End Time: 15:32:29

Time On Btm: 2014.12.07 @ 09:18:00

Time Off Btm: 2014.12.07 @ 12:57:15

TEST COMMENT: 5 - IF - Surface blow built to 5"
60 - ISI - No Return
30 - FF - Surface blow built to bottom of bucket in 13 min.
120 - FSI - Weak Return started in 50 mins. and built to 3/4"



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1941.14	104.74	Initial Hydro-static
2	38.38	104.12	Open To Flow (1)
8	33.13	109.26	Shut-In(1)
68	1338.47	113.26	End Shut-In(1)
69	29.66	112.91	Open To Flow (2)
97	63.72	115.48	Shut-In(2)
218	1288.64	120.75	End Shut-In(2)
220	1961.48	120.74	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
114.00	MCO - 45M - 55o	1.31
15.00	Free Oil	0.21

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Sam Gary Jr. and Associates, Inc.

6-10S-29W

1515 Wynkoop, Ste 700
Denver Co. 80202

Baalman

Job Ticket: 61020

DST#: 3

ATTN: Chris Micheal

Test Start: 2014.12.07 @ 07:25:00

GENERAL INFORMATION:

Formation: **Lans. - 'D'**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:19:15

Time Test Ended: 15:32:30

Interval: 4034.00 ft (KB) To 4060.00 ft (KB) (TVD)

Total Depth: 4060.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Test Type: Conventional Bottom Hole (Initial)

Tester: Royal Fisher

Unit No: #54

Reference Elevations: 2903.00 ft (KB)

2895.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 6755

Press @ Run Depth: psig @ ft (KB)

Start Date: 2014.12.07 End Date: 2014.12.07

Start Time: 07:25:05 End Time: 15:32:44

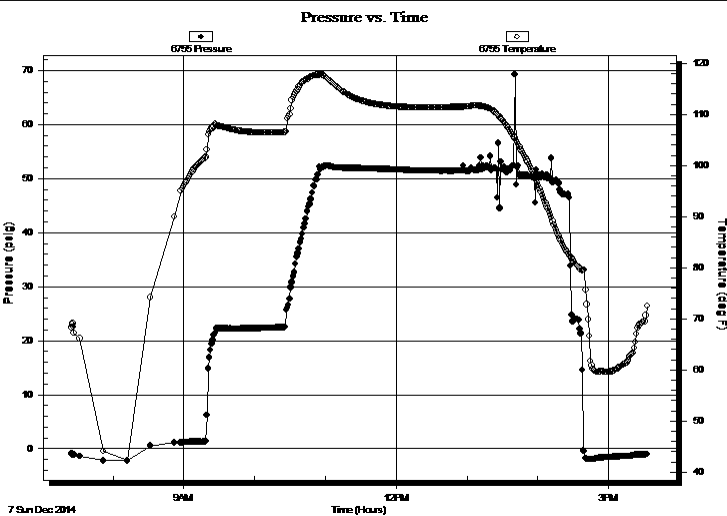
Capacity: 8000.00 psig

Last Calib.: 2014.12.07

Time On Btm:

Time Off Btm:

TEST COMMENT: 5 - IF - Surface blow built to 5"
60 - ISI - No Return
30 - FF - Surface blow built to bottom of bucket in 13 min.
120 - FSI - Weak Return started in 50 mins. and built to 3/4"



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
114.00	MCO - 45M - 55o	1.31
15.00	Free Oil	0.21

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Sam Gary Jr. and Associates, Inc.

6-10S-29W

1515 Wynkoop, Ste 700
Denver Co. 80202

Baalman

Job Ticket: 61020

DST#: 3

ATTN: Chris Micheal

Test Start: 2014.12.07 @ 07:25:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

37 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 700.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
114.00	MCO - 45M - 55o	1.312
15.00	Free Oil	0.210

Total Length: 129.00 ft

Total Volume: 1.522 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

