



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Sam Gary Jr. & Assc., Inc.

2 - 4S - 36W - Rawlins

1515 Wynkoop, Ste 700
Denver Co, 80202

FisherCC. #1-2

Job Ticket: 61100

DST#: 1

ATTN: Chris Mitchell

Test Start: 2015.03.05 @ 15:21:00

GENERAL INFORMATION:

Formation: **Pawnee**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:08:30

Time Test Ended: 22:30:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Royal Fisher

Unit No: #54

Interval: 4521.00 ft (KB) To 4568.00 ft (KB) (TVD)

Reference Elevations: 3222.00 ft (KB)

Total Depth: 4568.00 ft (KB) (TVD)

3217.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8368 Inside

Press @ Run Depth: 16.03 psig @ 4522.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.03.05

End Date:

2015.03.05

Last Calib.:

2015.03.05

Start Time: 15:21:05

End Time:

22:30:29

Time On Btm:

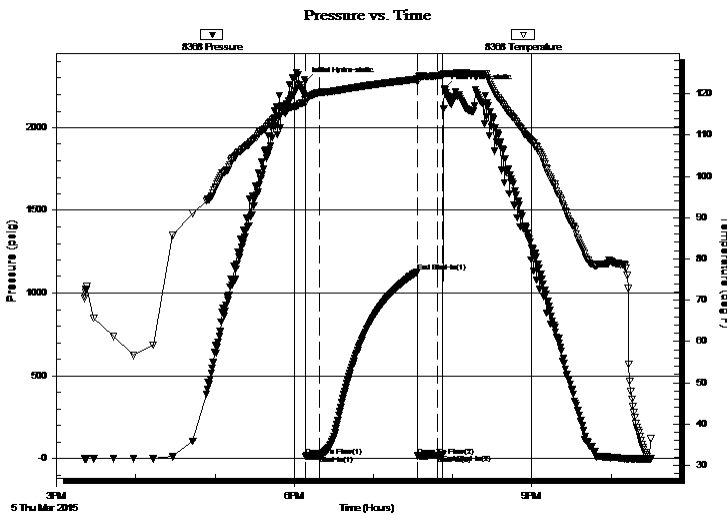
2015.03.05 @ 18:08:15

Time Off Btm:

2015.03.05 @ 19:53:45

TEST COMMENT: 10 - IF - Surface blow built up to 1/2"
75 - ISI - No Return
15 - FF - No Surface blow
FSI - Pulled tool 12 mins. into the final shut-in

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2280.61	118.52	Initial Hydro-static
1	14.11	117.56	Open To Flow (1)
11	16.61	120.27	Shut-In(1)
85	1127.76	123.56	End Shut-In(1)
86	15.45	122.98	Open To Flow (2)
100	16.03	124.40	Shut-In(2)
105	24.29	124.51	End Shut-In(2)
106	2238.52	124.90	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
4.00	Mud - 100M	0.02

Gas Rates

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



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Hole Diameter: 7.88 inches Hole Condition: Good

Test Type: Conventional Bottom Hole (Initial)

Tester: Royal Fisher

Unit No: #54

Reference Elevations: 3222.00 ft (KB)

3217.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6755

Press @ Run Depth: psig @ ft (KB)

Start Date: 2015.03.05

End Date: 2015.03.05

Start Time: 15:21:05

End Time: 22:30:44

Capacity: 8000.00 psig

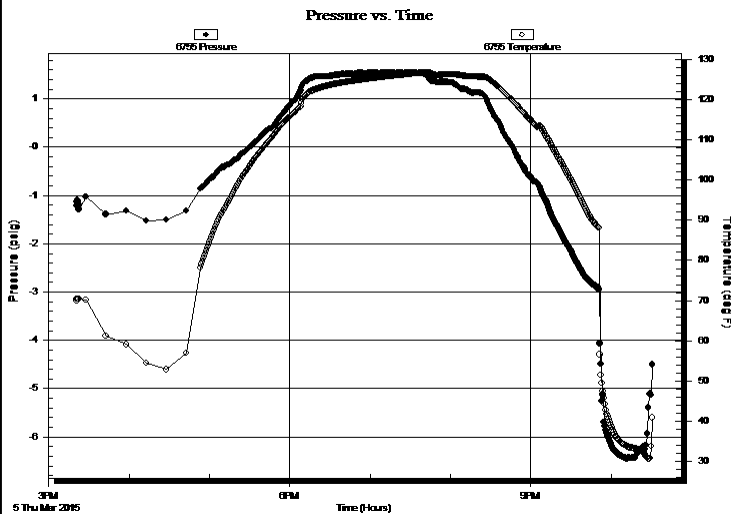
Last Calib.: 2015.03.05

Time On Btm:

Time Off Btm:

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PRESSURE SUMMARY



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

Recovery

Length (ft)	Description	Volume (bbl)
4.00	Mud - 100M	0.02

Gas Rates

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



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FLUID SUMMARY

Sam Gary Jr. & Assc., Inc.

2 - 4S - 36W - Rawlins

1515 Wynkoop, Ste 700
Denver Co, 80202

FisherCC. #1-2

Job Ticket: 61100

DST#: 1

ATTN: Chris Mitchell

Test Start: 2015.03.05 @ 15:21:00

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: 7.20 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
4.00	Mud - 100M	0.020

Total Length: 4.00 ft Total Volume: 0.020 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

