



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Sam Gary Jr. & Assoc.
1515 Wynkoop, Ste 700
Denver Co, 80202
ATTN: Chris Micheal

12-4S-36W

Fisher Cattle #2-12

Job Ticket: 61085

DST#: 1

Test Start: 2015.01.24 @ 21:09:00

GENERAL INFORMATION:

Formation: **Douglas & Lans. 'A'**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:40:45

Time Test Ended: 06:14:45

Test Type: Conventional Bottom Hole (Initial)

Tester: Royal Fisher

Unit No: #54

Interval: 4144.00 ft (KB) To 4204.00 ft (KB) (TVD)

Reference Elevations: 3291.00 ft (KB)

Total Depth: 4204.00 ft (KB) (TVD)

3288.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 3.00 ft

Serial #: 6753 Outside

Press @ Run Depth: 19.69 psig @ 4145.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.01.24

End Date:

2015.01.25

Last Calib.:

2015.01.25

Start Time: 21:09:05

End Time:

06:14:45

Time On Btm:

2015.01.25 @ 00:40:15

Time Off Btm:

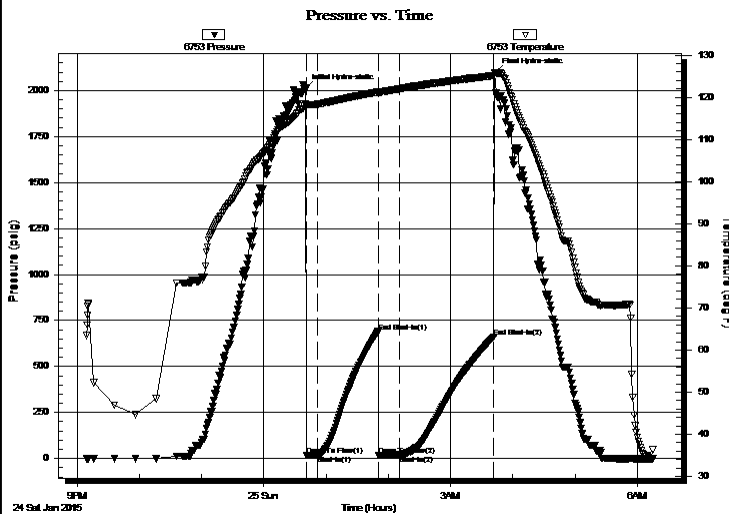
2015.01.25 @ 03:42:45

TEST COMMENT: 10 - IF - Surface blow built up to 1"

60 - ISI - No Return

20 - FF - No Surface blow

90 - FSI - No Return



PRESSURE SUMMARY

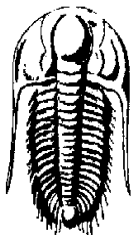
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2008.14	118.53	Initial Hydro-static
1	17.60	118.02	Open To Flow (1)
12	18.65	118.33	Shut-In(1)
70	689.66	121.24	End Shut-In(1)
70	18.20	120.79	Open To Flow (2)
90	19.69	121.96	Shut-In(2)
182	659.57	125.12	End Shut-In(2)
183	2098.55	125.88	Final Hydro-static

Recovery

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

Gas Rates

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



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12-4S-36W
Fisher Cattle #2-12
Job Ticket: 61085 **DST#: 1**
Test Start: 2015.01.24 @ 21:09:00

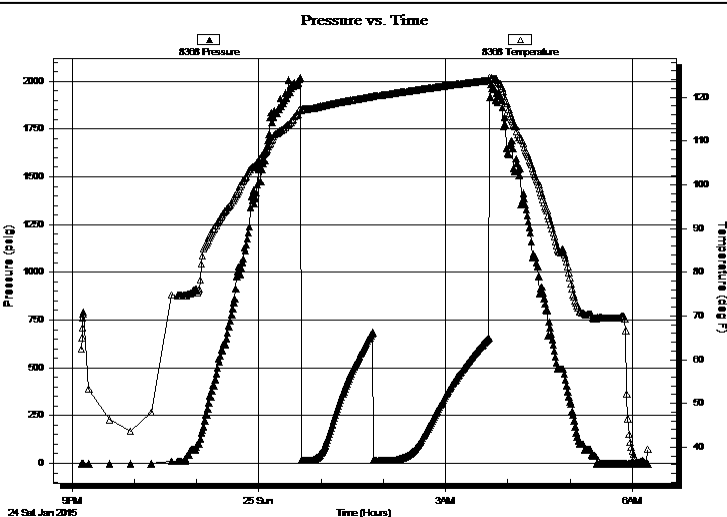
GENERAL INFORMATION:

Formation: **Douglas & Lans. 'A'**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 00:40:45
Time Test Ended: 06:14:45
Interval: **4144.00 ft (KB) To 4204.00 ft (KB) (TVD)**
Total Depth: 4204.00 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: 3291.00 ft (KB)
3288.00 ft (CF)
KB to GR/CF: 3.00 ft

Serial #: 8368

Press @RunDepth: psig @ ft (KB) Capacity: 8000.00 psig
Start Date: 2015.01.24 End Date: 2015.01.25 Last Calib.: 2015.01.25
Start Time: 21:09:05 End Time: 06:14:45 Time On Btm:
Time Off Btm:

TEST COMMENT: 10 - IF - Surface blow built up to 1"
60 - ISI - No Return
20 - FF - No Surface blow
90 - FSI - No Return



PRESSURE SUMMARY

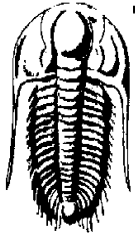
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

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

Gas Rates

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



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DRILL STEM TEST REPORT

Sam Gary Jr. & Assc.
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12-4S-36W
Fisher Cattle #2-12
 Job Ticket: 61085 **DST#: 1**
 Test Start: 2015.01.24 @ 21:09:00

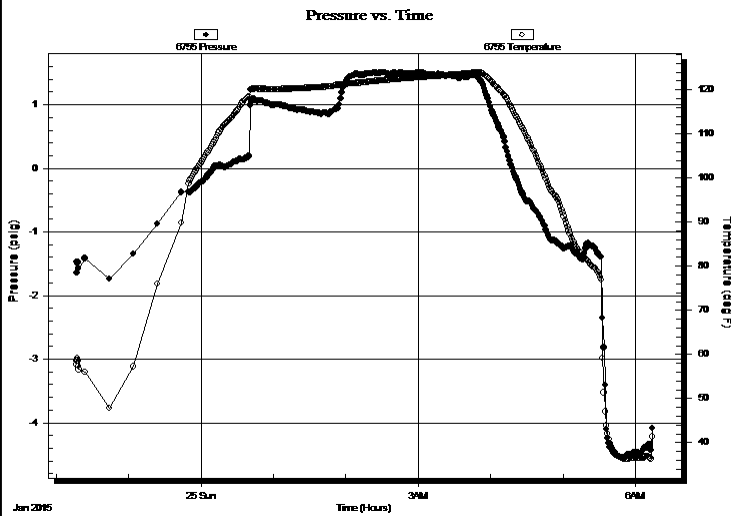
GENERAL INFORMATION:

Formation: **Douglas & Lans. 'A'**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 00:40:45
 Time Test Ended: 06:14:45
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Royal Fisher
 Unit No: #54
 Interval: **4144.00 ft (KB) To 4204.00 ft (KB) (TVD)**
 Total Depth: 4204.00 ft (KB) (TVD)
 Reference Elevations: 3291.00 ft (KB)
 3288.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 3.00 ft

Serial #: 6755

Press @ Run Depth: psig @ ft (KB) Capacity: 8000.00 psig
 Start Date: 2015.01.24 End Date: 2015.01.25 Last Calib.: 2015.01.25
 Start Time: 22:17:05 End Time: 06:13:59 Time On Btm:
 Time Off Btm:

TEST COMMENT: 10 - IF - Surface blow built up to 1"
 60 - ISI - No Return
 20 - FF - No Surface blow
 90 - FSI - No Return



PRESSURE SUMMARY

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

Recovery

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

Gas Rates

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



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DRILL STEM TEST REPORT

FLUID SUMMARY

Sam Gary Jr. & Assc.

12-4S-36W

1515 Wynkoop, Ste 700
Denver Co, 80202

Fisher Cattle #2-12

Job Ticket: 61085

DST#: 1

ATTN: Chris Micheal

Test Start: 2015.01.24 @ 21:09:00

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: 46.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.60 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
5.00	Mud - 100M	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

