



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Blue Goose Drilling Co., Inc.

S5-20s-26w Ness/KS

POB 1413
Great Bend, KS 67530

Stiawalt #4

Job Ticket: 64506

DST#: 4

ATTN: Ken Wallace

Test Start: 2016.02.19 @ 12:41:00

GENERAL INFORMATION:

Formation: **Mississippian**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:58:10

Time Test Ended: 19:37:39

Test Type: Conventional Bottom Hole (Reset)

Tester: Chuck Smith

Unit No: 81

Interval: 4612.00 ft (KB) To 4626.00 ft (KB) (TVD)

Total Depth: 4626.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2639.00 ft (KB)

2630.00 ft (CF)

KB to GR/CF: 9.00 ft

Serial #: 8357

Inside

Press @ Run Depth: 229.53 psig @ 4623.00 ft (KB)

Start Date: 2016.02.19

End Date:

2016.02.19

Start Time: 12:41:02

End Time:

19:37:40

Capacity: 8000.00 psig

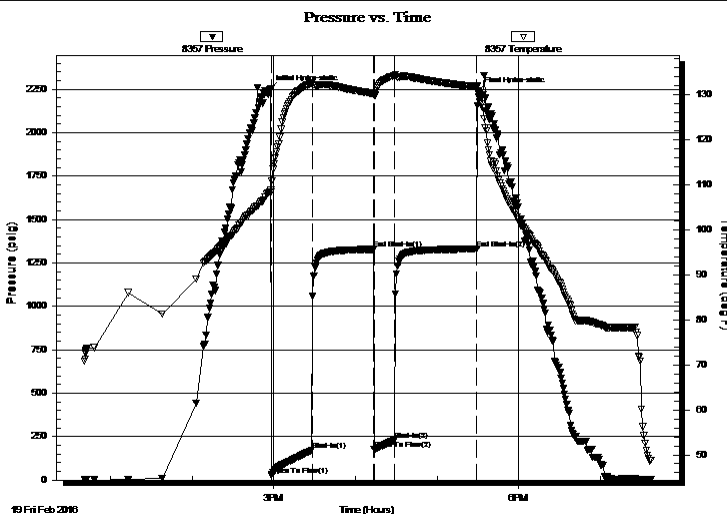
Last Calib.: 2016.02.19

Time On Btm: 2016.02.19 @ 14:57:00

Time Off Btm: 2016.02.19 @ 17:30:00

TEST COMMENT: 30- B.O.B. @ 13 mn.
45- 1/2" Return.
15- B.O.B. @ 15 min.
60- 1/2" Return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2246.46	108.50	Initial Hydro-static
2	28.83	108.40	Open To Flow (1)
32	172.43	132.69	Shut-In(1)
77	1328.57	130.29	End Shut-In(1)
77	176.74	129.78	Open To Flow (2)
92	229.53	134.32	Shut-In(2)
153	1329.90	131.79	End Shut-In(2)
153	2233.41	130.97	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	API: 32 @ 45 Degrees F = 34.	0.00
0.00	80' GIP	0.00
60.00	OSMW 20m 80w	0.30
312.00	OSMW5m 95w	3.83
63.00	GOCMW 5g 5o 25m 65w	0.88
45.00	GO 15g 85o	0.63

Gas Rates

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

* Recovery from multiple tests



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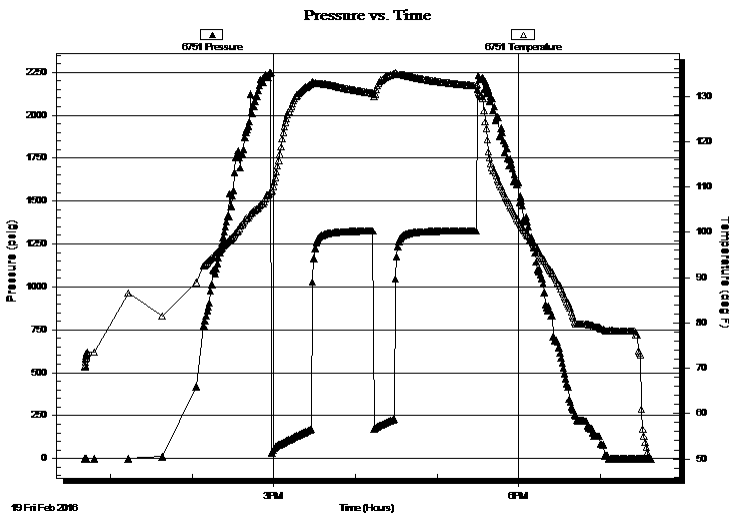
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 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Chuck Smith
 Unit No: 81
 Reference Elevations: 2639.00 ft (KB)
 2630.00 ft (CF)
 KB to GR/CF: 9.00 ft

Serial #: 6751 **Outside**
 Press@RunDepth: psig @ 4623.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2016.02.19 End Date: 2016.02.19 Last Calib.: 2016.02.19
 Start Time: 12:41:02 End Time: 19:37:40 Time On Btm:
 Time Off Btm:

TEST COMMENT: 30- B.O.B. @ 13 mn.
 45- 1/2" Return.
 15- B.O.B. @ 15 min.
 60- 1/2" Return.



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
0.00	API: 32 @ 45 Degrees F = 34.	0.00
0.00	80' GIP	0.00
60.00	OSMW 20m 80w	0.30
312.00	OSMW5m 95w	3.83
63.00	GOCMW 5g 5o 25m 65w	0.88
45.00	GO 15g 85o	0.63

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Gas Rates

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POB 1413
Great Bend, KS 67530

Stiawalt #4

Job Ticket: 64506

DST#: 4

ATTN: Ken Wallace

Test Start: 2016.02.19 @ 12:41:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

34 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

37000 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
0.00	API: 32 @ 45 Degrees F = 34.	0.000
0.00	80' GIP	0.000
60.00	OSMW 20m 80w	0.295
312.00	OSMW5m 95w	3.830
63.00	GOCMW 5g 5o 25m 65w	0.884
45.00	GO 15g 85o	0.631

Total Length: 480.00 ft Total Volume: 5.640 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW: .305 @ 45 Degrees F =37000 ppm

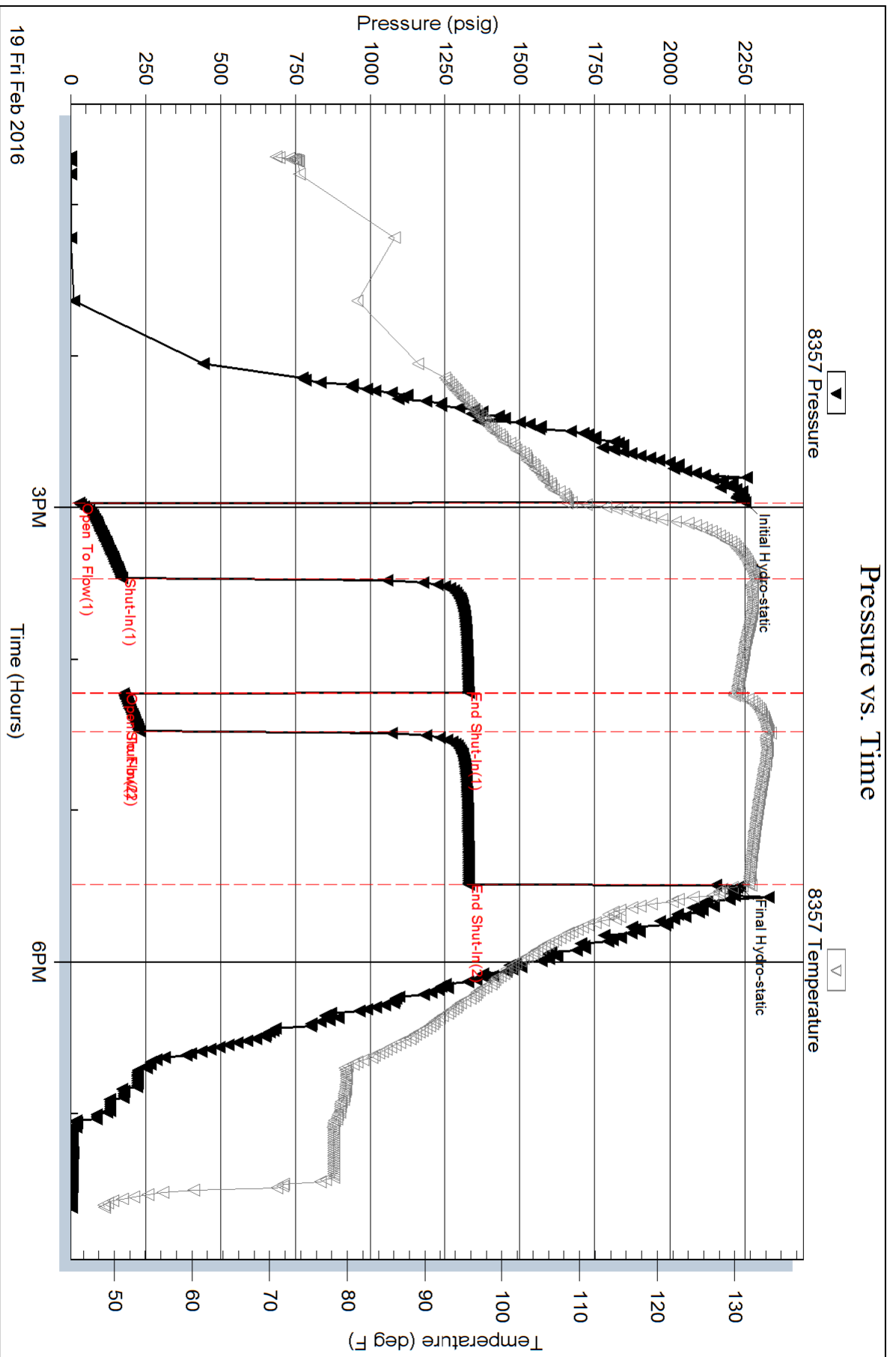
Serial #: 8357

Inside

Blue Goose Drilling Co., Inc.

Slaw at #4

DST Test Number: 4



Serial #: 6751

Outside Blue Goose Drilling Co., Inc.

Slaw at #4

DST Test Number: 4

