



## DRILL STEM TEST REPORT

Prepared For: **SHELBY RESOURCES LLC**

2717 CANAL BLVD SUITE C  
HAYS ,KANSAS 67601

ATTN: JEFREMY SCHWARTZ

**McCURRY 1-24**

**24-18S-14W BARTON**

Start Date: 2015.08.01 @ 08:45:00

End Date: 2015.08.01 @ 00:00:00

Job Ticket #: 01227                      DST #: 3

Eagle Testers  
1309 Patton Road    Great Bend, Kansas 67530  
620-791-7394

Printed: 2015.08.02 @ 01:34:19

SHELBY RESOURCES LLC  
24-18S-14W BARTON  
McCURRY 1-24  
DST # 3  
ARBUCKLE  
2015.08.01



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HAYS, KANSAS 67601

McCURRY 1-24

Job Ticket: 01227

DST#: 3

ATTN: JEFREMY SCHWARTZ

Test Start: 2015.08.01 @ 08:45:00

## GENERAL INFORMATION:

Formation: **ARBUCKLE**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:00:00

Time Test Ended: 00:00:00

Test Type: Conventional Bottom Hole (Initial)

Tester: GENE BUDIG

Unit No: 1

Interval: **3370.00 ft (KB) To 3397.00 ft (KB) (TVD)**

Reference Elevations: 1908.00 ft (KB)

Total Depth: 3397.00 ft (KB) (TVD)

1897.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 11.00 ft

Serial #: 9139

Outside

Press@RunDepth: 1648.91 psia @ 3392.00 ft (KB)

Capacity: 5000.00 psia

Start Date: 2015.08.01

End Date: 2015.08.02

Last Calib.: 2015.08.02

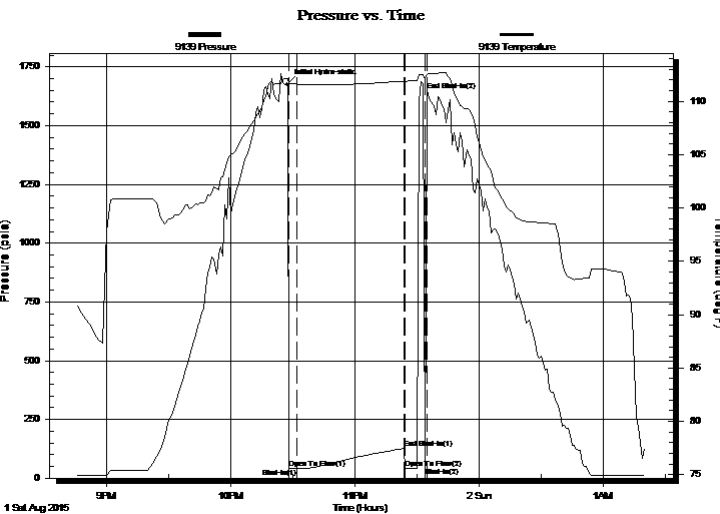
Start Time: 20:45:00

End Time: 01:20:00

Time On Btm: 2015.08.01 @ 22:27:30

Time Off Btm:

TEST COMMENT: 1ST OPENING 10 MINUTES- VERY WEAK SURFACE BLOW  
1ST SHUT-IN 45 MINUTES-NO BLOW BACK  
2ND OPENING 15 MIN NO BLOW FLUSHED TOOL GOOD SURGE NO HELP PULLED TOOL



## PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1678.34	112.18	Initial Hydro-static
1	42.90	111.66	Open To Flow (1)
5	42.09	111.61	Shut-In(1)
56	125.75	111.89	End Shut-In(1)
57	42.16	111.88	Open To Flow (2)
67	47.50	112.10	Shut-In(2)
68	1648.91	112.53	End Shut-In(2)

## Recovery

Length (ft)	Description	Volume (bbl)
5.00	OIL CUT MUD	0.02

## Gas Rates

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



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Tester: GENE BUDIG

Unit No: 1

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Reference Elevations: 1908.00 ft (KB)

Total Depth: 3397.00 ft (KB) (TVD)

1897.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 11.00 ft

Serial #: 9119

Inside

Press@RunDepth: 125.07 psia @ 3392.00 ft (KB)

Capacity: 5000.00 psia

Start Date: 2015.08.01

End Date: 2015.08.02

Last Calib.: 2015.08.02

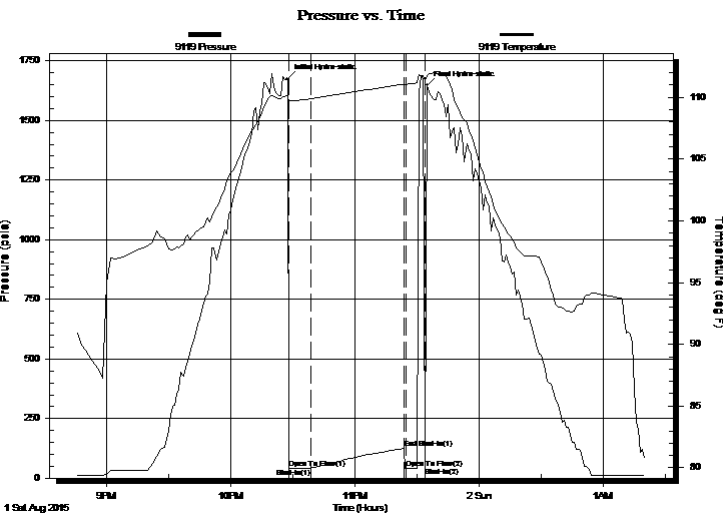
Start Time: 20:45:00

End Time: 01:20:00

Time On Btm: 2015.08.01 @ 22:27:30

Time Off Btm: 2015.08.01 @ 23:35:00

TEST COMMENT: 1ST OPENING 10 MINUTES- VERY WEAK SURFACE BLOW  
1ST SHUT-IN 45 MINUTES-NO BLOW BACK  
2ND OPENING 15 MIN NO BLOW FLUSHED TOOL GOOD SURGE NO HELP PULLED TOOL



## PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1675.03	110.15	Initial Hydro-static
1	42.03	109.61	Open To Flow (1)
11	42.37	109.88	Shut-In(1)
56	125.07	111.06	End Shut-In(1)
57	41.42	111.05	Open To Flow (2)
67	46.66	111.37	Shut-In(2)
68	1647.75	111.78	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
5.00	OIL CUT MUD	0.02

## Gas Rates

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



# DRILL STEM TEST REPORT

TOOL DIAGRAM

SHELBY RESOURCES LLC

24-18S-14W BARTON

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McCURRY 1-24

Job Ticket: 01227

DST#: 3

ATTN: JEFREMY SCHWARTZ

Test Start: 2015.08.01 @ 08:45:00

## Tool Information

Drill Pipe:	Length: 3153.00 ft	Diameter: 3.80 inches	Volume: 44.23 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 217.00 ft	Diameter: 2.25 inches	Volume: 1.07 bbl	Weight to Pull Loose: 76000.00 lb
			Total Volume: 45.30 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	29.00 ft			String Weight: Initial 65000.00 lb
Depth to Top Packer:	3370.00 ft			Final 65000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	27.00 ft			
Tool Length:	56.00 ft			
Number of Packers:	2	Diameter: inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Shut In Tool	5.00			3346.00	
Hydraulic tool	5.00			3351.00	
Jars	7.00			3358.00	
Safety Joint	2.00		Fluid	3360.00	
Top Packer	5.00			3365.00	
Packer	5.00			3370.00	29.00 Bottom Of Top Packer
Anchor	22.00			3392.00	
Recorder	0.00	9119	Inside	3392.00	
Recorder	0.00	9139	Outside	3392.00	
Bullnose	5.00			3397.00	27.00 Anchor Tool
<b>Total Tool Length:</b>	<b>56.00</b>				



# DRILL STEM TEST REPORT

## FLUID SUMMARY

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Job Ticket: 01227

DST#: 3

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Test Start: 2015.08.01 @ 08:45:00

### Mud and Cushion Information

Mud Type: Gel Chem  
Mud Weight: 9.00 lb/gal  
Viscosity: 64.00 sec/qt  
Water Loss: 9.60 in<sup>3</sup>  
Resistivity: ohm.m  
Salinity: 4400.00 ppm  
Filter Cake: 1.00 inches

Cushion Type:  
Cushion Length: ft  
Cushion Volume: bbl  
Gas Cushion Type:  
Gas Cushion Pressure: psia

Oil API: deg API  
Water Salinity: ppm

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	OIL CUT MUD	0.025

Total Length: 5.00 ft      Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

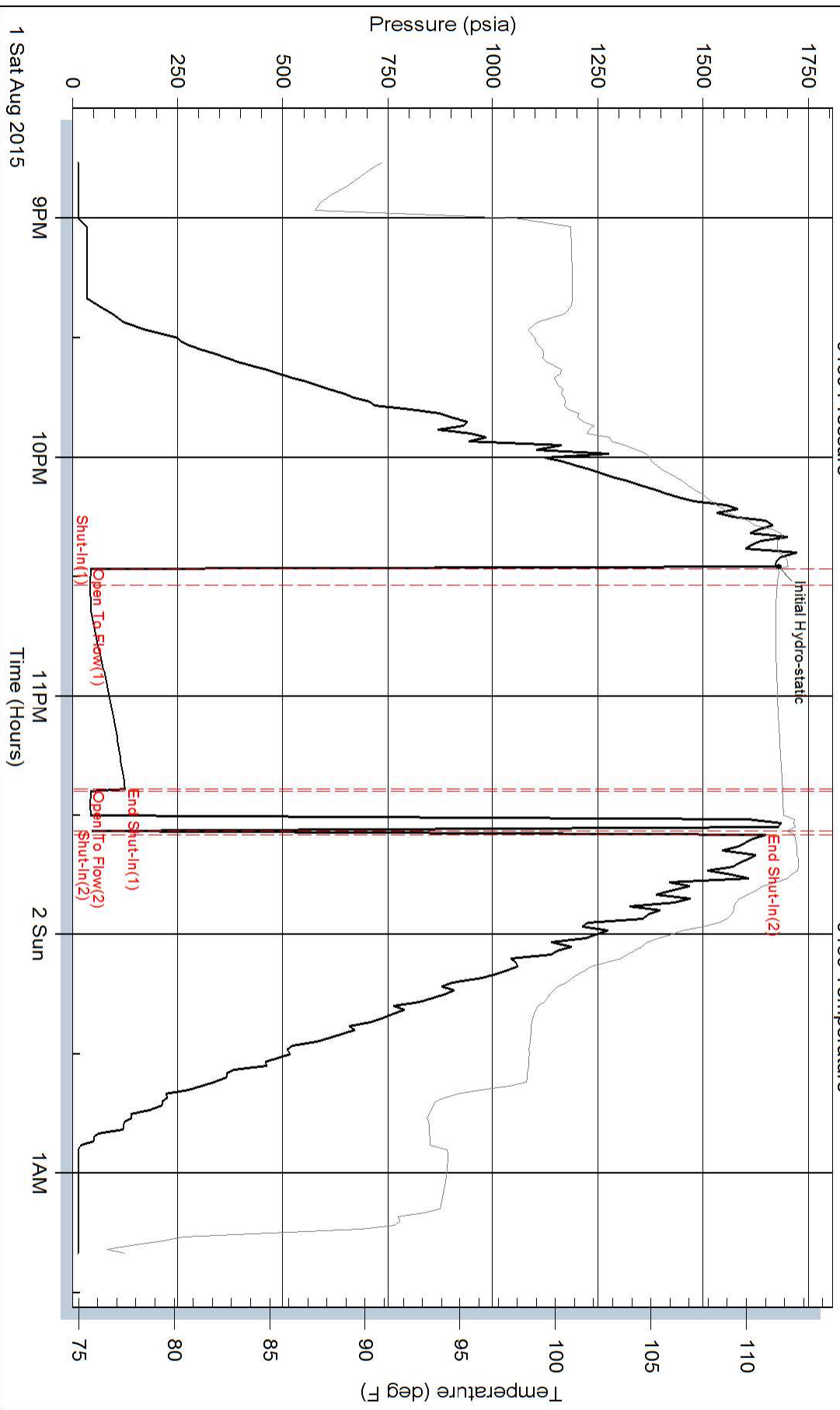
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

### Pressure vs. Time



### Pressure vs. Time

