



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 @ 02:19:00

End Date: 2015.08.01 @ 00:00:00

Job Ticket #: 01225 DST #: 2

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

Printed: 2015.08.01 @ 09:40:43



DRILL STEM TEST REPORT

SHELBY RESOURCES LLC

24-18S-14W BARTON

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ATTN: JEFREMY SCHWARTZ

Test Start: 2015.08.01 @ 02:19:00

GENERAL INFORMATION:

Formation: **LANSING 'H'**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:00:00

Time Test Ended: 00:00:00

Test Type: Inflate Bottom Hole (Initial)

Tester: GENE BUIDIG

Unit No: 1

Interval: **3272.00 ft (KB) To 3322.00 ft (KB) (TVD)**

Reference Elevations: 1908.00 ft (KB)

Total Depth: 3322.00 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: 749.57 psia @ 3317.37 ft (KB)

Capacity: 5000.00 psia

Start Date: 2015.08.01

End Date: 2015.08.01

Last Calib.: 2015.08.01

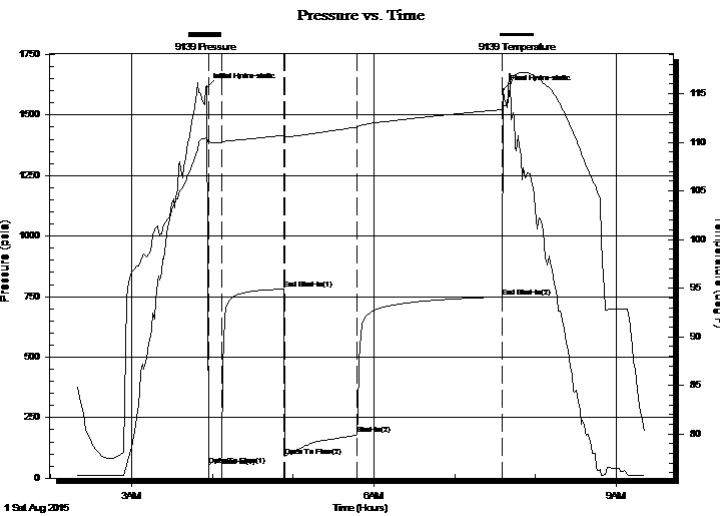
Start Time: 02:19:00

End Time: 09:21:30

Time On Btm: 2015.08.01 @ 03:56:00

Time Off Btm: 2015.08.01 @ 07:36:00

TEST COMMENT: 1ST OPENING 10 MINUTES WEAK BUILDING BLOW BUILT TO 4 1/2 INCHES INTO THE WATER
 1ST SHUT-IN 45 MINUTES-NO BLOW BACK
 2ND OPENING 60 MINUTES-WEAK BUILDING BLOW BUILT TO THE BOTTOM OF THE BUCKET IN 55 MIN.
 2ND SHUT-IN 105 MINUTES-NO BLOW BACK



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1614.98	110.44	Initial Hydro-static
1	52.01	109.89	Open To Flow (1)
11	84.75	109.92	Shut-In(1)
58	781.54	110.74	End Shut-In(1)
58	90.22	110.40	Open To Flow (2)
112	180.37	111.56	Shut-In(2)
219	749.57	113.36	End Shut-In(2)
220	1603.98	113.66	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
55.00	VERY SLIGHTLY OIL CUT MUDDY WATER	0.27
0.00	35 MUD 64 WATER 1 OIL	0.00
150.00	WATER 5 MUD 95 WATER	0.74
0.00	CHLORIDES 62000	0.00

Gas Rates

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



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McCURRY 1-24

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Test Type: Inflate Bottom Hole (Initial)

Tester: GENE BUIDIG

Unit No: 1

Interval: **3272.00 ft (KB) To 3322.00 ft (KB) (TVD)**

Reference Elevations: 1908.00 ft (KB)

Total Depth: 3322.00 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: 750.59 psia @ 3317.37 ft (KB)

Capacity: 5000.00 psia

Start Date: 2015.08.01

End Date:

2015.08.01

Last Calib.:

2015.08.01

Start Time: 02:19:00

End Time:

09:20:30

Time On Btm:

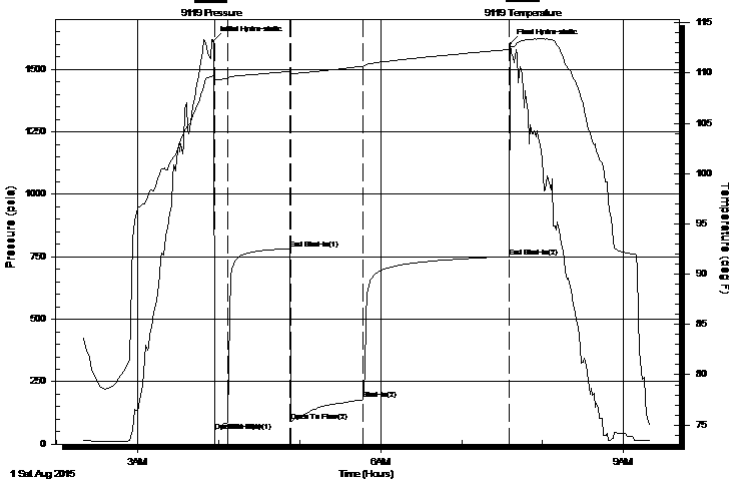
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2ND SHUT-IN 105 MINUTES-NO BLOW BACK

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1615.00	109.74	Initial Hydro-static
1	53.19	109.36	Open To Flow (1)
11	86.25	109.45	Shut-In(1)
58	782.64	110.17	End Shut-In(1)
58	91.45	109.94	Open To Flow (2)
111	178.13	110.70	Shut-In(2)
219	750.59	112.34	End Shut-In(2)
220	1602.53	112.57	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
55.00	VERY SLIGHTLY OIL CUT MUDDY WATER	0.27
0.00	35 MUD 64 WATER 1 OIL	0.00
150.00	WATER 5 MUD 95 WATER	0.74
0.00	CHLORIDES 62000	0.00

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

SHELBY RESOURCES LLC

24-18S-14W BARTON

2717 CANAL BLVD SUITE C
HAYS, KANSAS 67601

McCURRY 1-24

Job Ticket: 01225

DST#: 2

ATTN: JEFREMY SCHWARTZ

Test Start: 2015.08.01 @ 02:19:00

Tool Information

Drill Pipe:	Length: 3056.00 ft	Diameter: 3.80 inches	Volume: 42.87 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 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: 43.94 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 65000.00 lb
Depth to Top Packer:	3272.00 ft			Final 65000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	50.37 ft			
Tool Length:	79.37 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3248.00	
Hydraulic tool	5.00			3253.00	
Jars	7.00			3260.00	
Safety Joint	2.00		Fluid	3262.00	
Top Packer	5.00			3267.00	
Packer	5.00			3272.00	29.00 Bottom Of Top Packer
Anchor	5.00			3277.00	
Change Over Sub	0.75			3277.75	
Drill Pipe	31.87			3309.62	
Change Over Sub	0.75			3310.37	
Anchor	7.00			3317.37	
Recorder	0.00	9119	Inside	3317.37	
Recorder	0.00	9139	Outside	3317.37	
Bullnose	5.00			3322.37	50.37 Anchor Tool
Total Tool Length:	79.37				



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FLUID SUMMARY

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McCURRY 1-24

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DST#: 2

ATTN: JEFREMY SCHWARTZ

Test Start: 2015.08.01 @ 02:19:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 59.00 sec/qt
Water Loss: 9.20 in³
Resistivity: ohm.m
Salinity: 3600.00 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
55.00	VERY SLIGHTLY OIL CUT MUDDY WATER	0.270
0.00	35 MUD 64 WATER 1 OIL	0.000
150.00	WATER 5 MUD 95 WATER	0.738
0.00	CHLORIDES 62000	0.000

Total Length: 205.00 ft Total Volume: 1.008 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

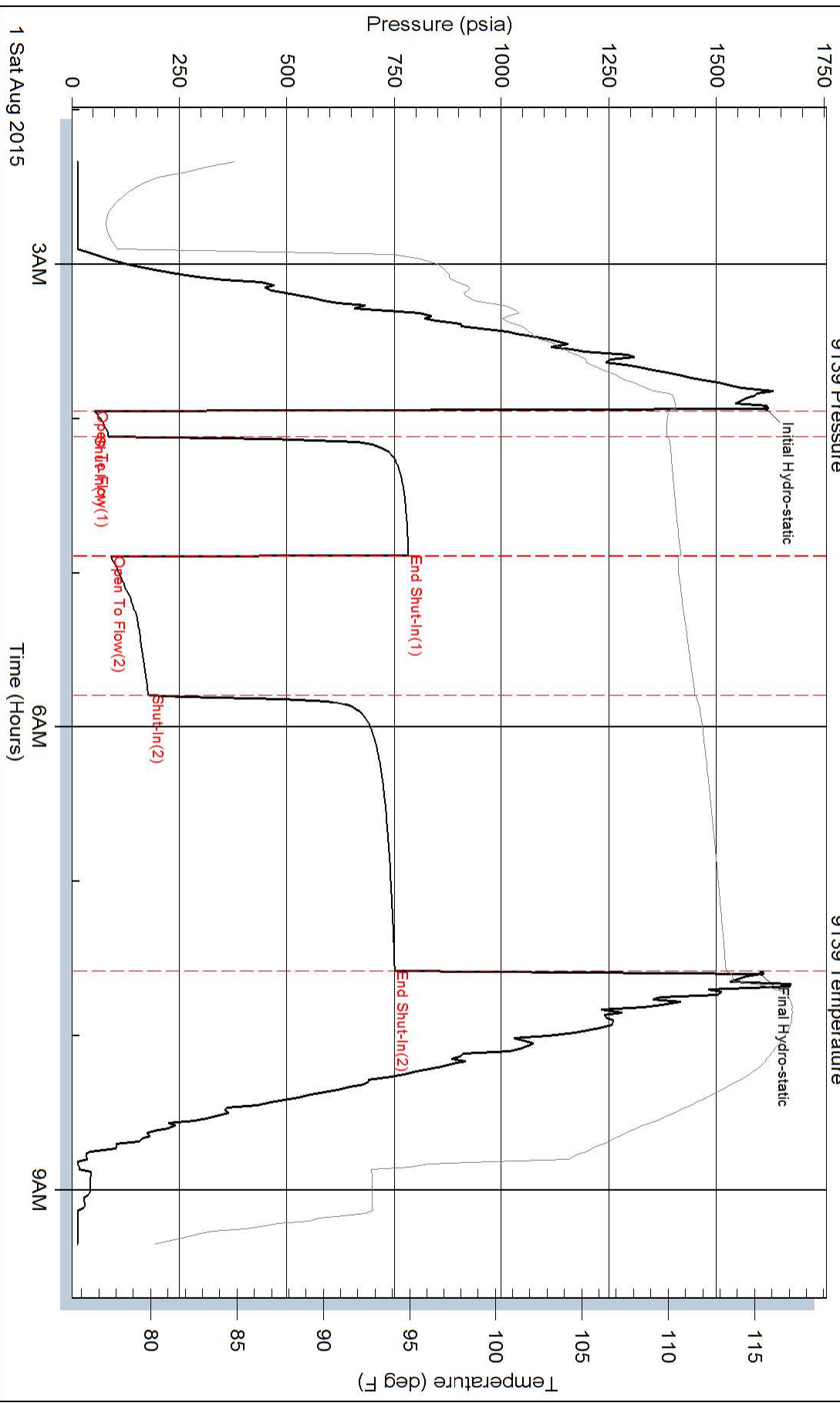
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time



Pressure vs. Time

