



DRILL STEM TEST REPORT

Prepared For: **Shelby Resources LLC**

2717 Canal Boulevard
Suite C
Hays, Kansas 67601

ATTN: Jeremy Schwartz

Nancy 3-17

17/17S/13W/Barton

Start Date: 2014.05.06 @ 21:37:00

End Date: 2014.05.07 @ 04:43:30

Job Ticket #: 18253 DST #: 1

Superior Testers Enterprises LLC
PO Box 138 Great Bend KS 67530
1-800-792-6902

Printed: 2014.05.07 @ 04:55:38

Shelby Resources LLC

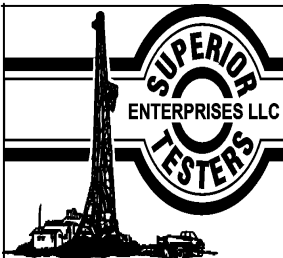
17/17S/13W/Barton

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DST # 1

Lansing/Kansas City

2014.05.06



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Job Ticket: 18253 **DST#: 1**
 Test Start: 2014.05.06 @ 21:37:00

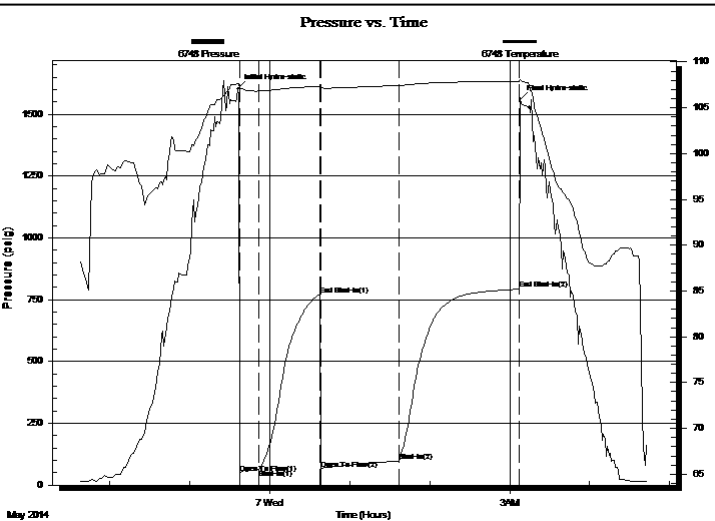
GENERAL INFORMATION:

Formation: **Lansing/Kansas City**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 23:37:30
 Time Test Ended: 04:43:30
 Interval: **3213.00 ft (KB) To 3260.00 ft (KB) (TVD)**
 Total Depth: 3260.00 ft (KB) (TVD)
 Hole Diameter: 7.80 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Ken Swinney
 Unit No: 3325 Great Bend/
 Reference Elevations: 1978.00 ft (KB)
 1965.00 ft (CF)
 KB to GR/CF: 13.00 ft

Serial #: 6748

Press@RunDepth: 98.02 psig @ ft (KB) Capacity: 5000.00 psig
 Start Date: 2014.05.06 End Date: 2014.05.07 Last Calib.: 2014.05.07
 Start Time: 21:37:00 End Time: 04:43:30 Time On Btm: 2014.05.06 @ 23:36:00
 Time Off Btm: 2014.05.07 @ 03:08:00

TEST COMMENT: 1ST Open 15 Minutes/Good blow /Blow built to bottom of bucket in 13 minutes
 1ST Shut In 45 Minutes/No blow back
 2ND Open 60 Minutes/Strong blow /Blow built to bottom of bucket in 30 seconds then slow ed considerably
 2ND Shut In 90 Minutes/Blow back built to 1/4 then died in 15 minutes



PRESSURE SUMMARY

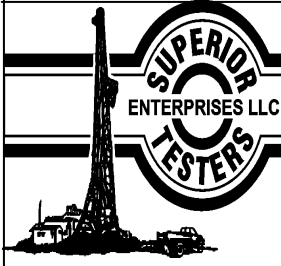
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1601.66	107.69	Initial Hydro-static
2	49.82	107.23	Open To Flow (1)
16	62.84	106.83	Shut-In(1)
62	770.68	107.35	End Shut-In(1)
63	63.11	107.18	Open To Flow (2)
121	98.02	107.44	Shut-In(2)
211	791.85	107.91	End Shut-In(2)
212	1559.65	108.10	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	Oily Mud/Oil 20% Mud 80%	0.59
0.00	180 feet of gas in pipe	0.00

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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Job Ticket: 18253

DST#: 1

Test Start: 2014.05.06 @ 21:37:00

GENERAL INFORMATION:

Formation: **Lansing/Kansas City**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:37:30

Time Test Ended: 04:43:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Ken Swinney

Unit No: 3325 Great Bend/

Interval: **3213.00 ft (KB) To 3260.00 ft (KB) (TVD)**

Reference Elevations: 1978.00 ft (KB)

Total Depth: 3260.00 ft (KB) (TVD)

1965.00 ft (CF)

Hole Diameter: 7.80 inches Hole Condition: Fair

KB to GR/CF: 13.00 ft

Serial #: 8938 Outside

Press@RunDepth: 791.11 psig @ 3257.00 ft (KB)

Capacity: 5000.00 psig

Start Date: 2014.05.06

End Date: 2014.05.07

Last Calib.: 2014.05.07

Start Time: 21:37:00

End Time: 04:43:00

Time On Btm: 2014.05.06 @ 23:35:30

Time Off Btm: 2014.05.07 @ 03:07:30

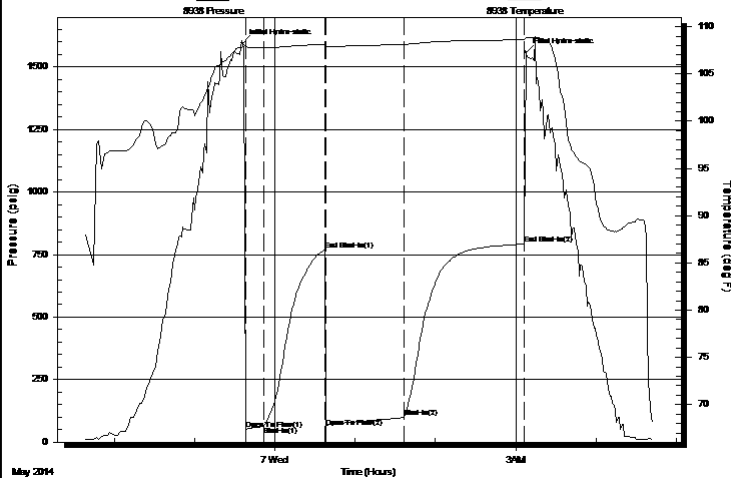
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1ST Shut In 45 Minutes/No blow back

2ND Open 60 Minutes/Strong blow /Blow built to bottom of bucket in 30 seconds then slow ed considerably

2ND Shut In 90 Minutes/Blow back built to 1/4 then died in 15 minutes

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1595.54	107.89	Initial Hydro-static
2	50.30	107.84	Open To Flow (1)
16	62.72	107.77	Shut-In(1)
62	769.77	108.13	End Shut-In(1)
62	60.69	107.93	Open To Flow (2)
121	98.22	108.12	Shut-In(2)
211	791.11	108.61	End Shut-In(2)
212	1558.94	108.83	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	Oily Mud/Oil 20% Mud 80%	0.59
0.00	180 feet of gas in pipe	0.00

Gas Rates

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



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TOOL DIAGRAM

Shelby Resources LLC
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Tool Information

Drill Pipe:	Length: 2867.00 ft	Diameter: 3.80 inches	Volume: 40.22 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: 328.07 ft	Diameter: 2.25 inches	Volume: 1.61 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 41.83 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	10.07 ft			String Weight: Initial 70000.00 lb
Depth to Top Packer:	3213.00 ft			Final 70000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	47.00 ft			
Tool Length:	75.00 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			3190.00	
Hydraulic tool	5.00			3195.00	
Jars	6.00			3201.00	
Safety Joint	2.00			3203.00	
Top Packer	5.00			3208.00	
Packer	5.00			3213.00	28.00 Bottom Of Top Packer
Anchor	42.00			3255.00	
Recorder	1.00	6749	Inside	3256.00	
Recorder	1.00	8938	Outside	3257.00	
Bullnose	3.00			3260.00	47.00 Anchor Tool
Total Tool Length:	75.00				



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FLUID SUMMARY

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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: 52.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.00 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 2800.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	Oily Mud/Oil 20% Mud 80%	0.590
0.00	180 feet of gas in pipe	0.000

Total Length: 120.00 ft Total Volume: 0.590 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

