



DRILL STEM TEST REPORT

Prepared For: **Shelby Resources L.L.C**

445 Union Blvd Ste #208 Lakewood CO 80228

ATTN: Jeremy Schwartz

W-S #1-15

15-18s-14W Barton

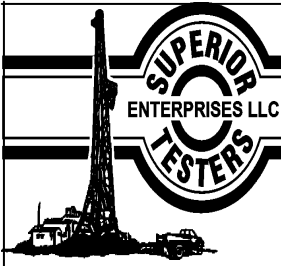
Start Date: 2013.07.12 @ 02:06:00

End Date: 2013.07.12 @ 08:07:30

Job Ticket #: 17007 DST #: 3

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

Printed: 2013.07.12 @ 08:25:16



DRILL STEM TEST REPORT

Shelby Resources L.L.C

15-18s-14W Barton

445 Union Blvd Ste #208 Lakewood CO 80228

W-S #1-15

Job Ticket: 17007

DST#: 3

ATTN: Jeremy Schwartz

Test Start: 2013.07.12 @ 02:06:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:44:30

Time Test Ended: 08:07:30

Interval: 3404.00 ft (KB) To 3451.00 ft (KB) (TVD)

Total Depth: 3451.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole (Initial)

Tester: Jared Scheck

Unit No: 3320-Great Bend-30

Reference Elevations: 1942.00 ft (KB)

1929.00 ft (CF)

KB to GR/CF: 13.00 ft

Serial #: 6731

Press@RunDepth: 111.19 psia @ ft (KB)

Capacity: 5000.00 psia

Start Date: 2013.07.12

End Date: 2013.07.12

Last Calib.: 2013.07.12

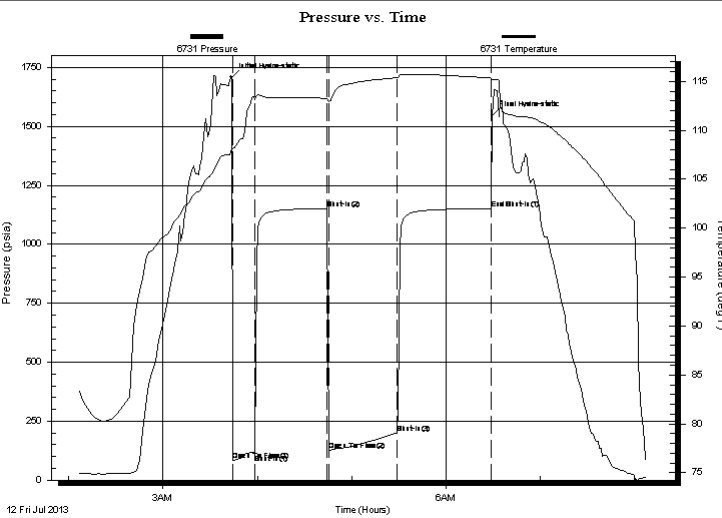
Start Time: 02:06:00

End Time: 08:07:30

Time On Btm: 2013.07.12 @ 03:43:30

Time Off Btm: 2013.07.12 @ 06:29:30

TEST COMMENT: 1st Opening 15 Minutes-Weak blow built 4 inches into bucket w ater in 15 minutes
 1st Shut-in 45 Minutes-No blow back
 2nd Opening 45 Minutes-Weak blow built 10 inches into bucket w ater in 45 minutes
 2nd Shut-in 60 Minutes-No blow back



PRESSURE SUMMARY

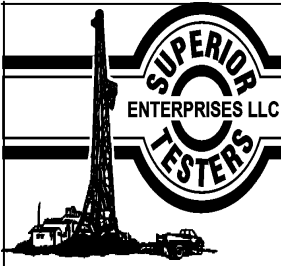
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1708.47	108.17	Initial Hydro-static
1	86.22	108.11	Open To Flow (1)
15	111.19	113.17	Shut-In(1)
61	1151.75	113.28	Shut-In(2)
62	125.82	112.95	Open To Flow (2)
106	201.04	115.36	Shut-In(3)
165	1150.62	115.33	End Shut-In(1)
166	1547.26	115.16	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
150.00	40% mud 60% water	0.74
180.00	20% mud 80% water	0.89
0.00	chlorides 18,000 resistivity .2@70 Degree	0.00

Gas Rates

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



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DST#: 3

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Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole (Initial)

Tester: Jared Scheck

Unit No: 3320-Great Bend-30

Reference Elevations: 1942.00 ft (KB)

1929.00 ft (CF)

KB to GR/CF: 13.00 ft

Serial #: 8159

Press@RunDepth: 1148.13 psia @ ft (KB)

Start Date: 2013.07.12

End Date: 2013.07.12

Start Time: 02:06:00

End Time: 08:08:00

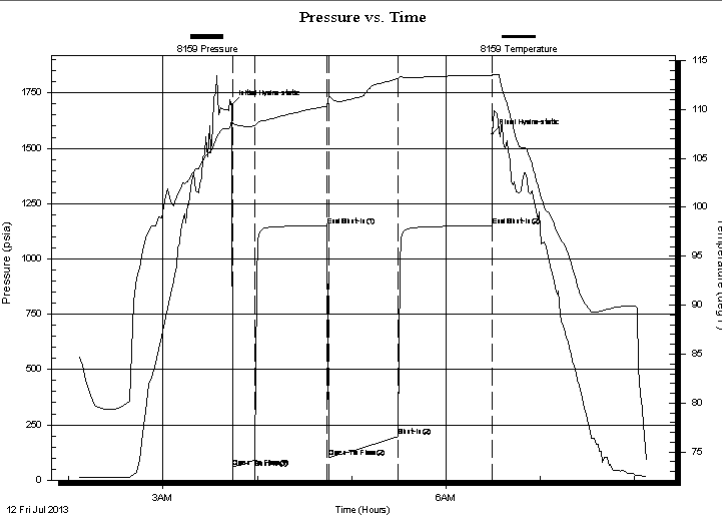
Capacity: 5000.00 psia

Last Calib.: 2013.07.12

Time On Btm: 2013.07.12 @ 03:43:30

Time Off Btm: 2013.07.12 @ 06:29:30

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PRESSURE SUMMARY

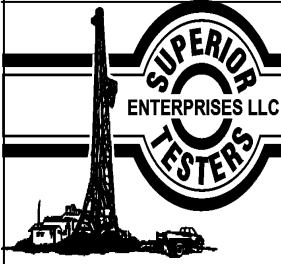
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1699.30	108.90	Initial Hydro-static
1	58.49	108.50	Open To Flow (1)
15	92.77	108.31	Shut-In(1)
61	1149.62	110.32	End Shut-In(1)
62	101.47	111.42	Open To Flow (2)
106	196.50	113.14	Shut-In(2)
166	1148.13	113.48	End Shut-In(2)
166	1563.78	113.55	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
150.00	40% mud 60% water	0.74
180.00	20% mud 80% water	0.89
0.00	chlorides 18,000 resistivity .2@70 Degree	0.00

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

Shelby Resources L.L.C

15-18s-14W Barton

445 Union Blvd Ste #208 Lakewood CO 80228

W-S #1-15

Job Ticket: 17007

DST#: 3

ATTN: Jeremy Schwartz

Test Start: 2013.07.12 @ 02:06:00

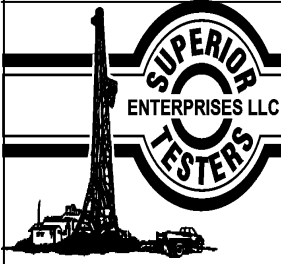
Tool Information

Drill Pipe:	Length: 3062.00 ft	Diameter: 3.80 inches	Volume: 42.95 bbl	Tool Weight: 1000.00 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: 330.00 ft	Diameter: 2.25 inches	Volume: 1.62 bbl	Weight to Pull Loose: 84000.00 lb
			<u>Total Volume: 44.57 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	16.00 ft			String Weight: Initial 73000.00 lb
Depth to Top Packer:	3404.00 ft			Final 74000.00 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
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Shut-In Tool	5.00			3381.00	
Hydraulic Tool	5.00			3386.00	
Jars	6.00			3392.00	
Safety Joint	2.00			3394.00	
Packer	5.00			3399.00	28.00 Bottom Of Top Packer
Packer	5.00			3404.00	
Anchor	42.00			3446.00	
Recorder	1.00	6731	Inside	3447.00	
Recorder	1.00		Outside	3448.00	
Bullnose	3.00			3451.00	47.00 Bottom Packers & Anchor
Total Tool Length:	75.00				



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FLUID SUMMARY

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W-S #1-15

Job Ticket: 17007

DST#: 3

ATTN: Jeremy Schwartz

Test Start: 2013.07.12 @ 02:06:00

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: 47.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.20 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psia

Salinity: 4600.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
150.00	40% mud 60% water	0.738
180.00	20% mud 80% water	0.885
0.00	chlorides 18,000 resistivity .2@70 Degree	0.000

Total Length: 330.00 ft

Total Volume: 1.623 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

