



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: 2013.07.11 @ 13:10:00

End Date: 2013.07.11 @ 17:35:00

Job Ticket #: 17006 DST #: 2

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

Printed: 2013.07.11 @ 17:49:35

Shelby Resources L.L.C
15-18s-14W Barton
W-S #1-15
DST # 2
Lansing "LK"
2013.07.11



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: 17006

DST#:2

ATTN: Jeremy Schwartz

Test Start: 2013.07.11 @ 13:10:00

GENERAL INFORMATION:

Formation: **Lansing "I-K"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:53:00

Time Test Ended: 17:35:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Jared Scheck

Unit No: 3320-Great Bend-30

Interval: 3347.00 ft (KB) To 3420.00 ft (KB) (TVD)

Reference Elevations: 1942.00 ft (KB)

Total Depth: 3420.00 ft (KB) (TVD)

1929.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 13.00 ft

Serial #: 67631

Press@RunDepth: 85.88 psia @ ft (KB)

Capacity: 5000.00 psia

Start Date: 2013.07.11 End Date: 2013.07.11

Last Calib.: 2013.07.11

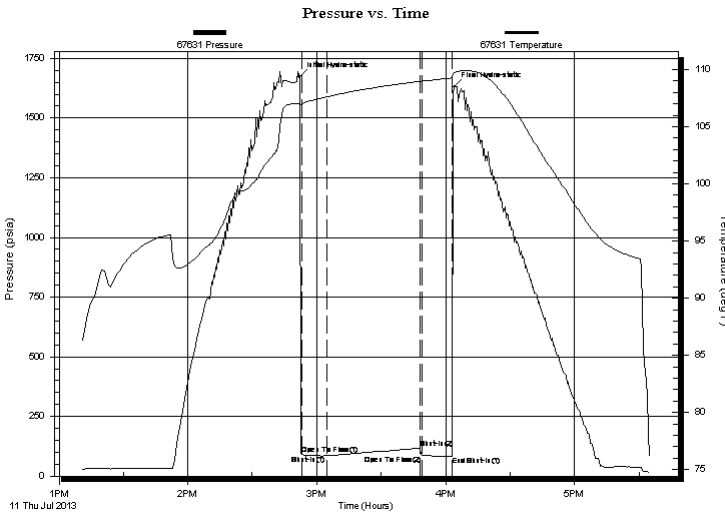
Start Time: 13:10:00 End Time: 17:35:00

Time On Btm: 2013.07.11 @ 14:52:00

Time Off Btm: 2013.07.11 @ 16:04:00

TEST COMMENT: 1st Opening 10 Minutes-Very weak surface blow did not build
 1st Shut-in 45 Minutes-No blow back
 2nd Opening 10 Minutes-Very weak surge did not build pulled tool

PRESSURE SUMMARY



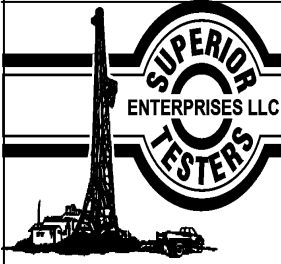
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1673.54	107.08	Initial Hydro-static
1	91.19	106.98	Open To Flow (1)
13	85.88	107.60	Shut-In(1)
56	116.85	108.96	Shut-In(2)
57	88.80	108.97	Open To Flow (2)
71	81.62	109.26	End Shut-In(1)
72	1630.46	109.72	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1.00	5% oil 95% mud	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: 17006

DST#:2

ATTN: Jeremy Schwartz

Test Start: 2013.07.11 @ 13:10:00

Tool Information

Drill Pipe:	Length: 2999.00 ft	Diameter: 3.80 inches	Volume: 42.07 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: 80000.00 lb
			<u>Total Volume: 43.69 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 72000.00 lb
Depth to Top Packer:	3347.00 ft			Final 72000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	73.00 ft			
Tool Length:	101.00 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			3324.00	
Hydraulic Tool	5.00			3329.00	
Jars	6.00			3335.00	
Safety Joint	2.00			3337.00	
Packer	5.00			3342.00	28.00 Bottom Of Top Packer
Packer	5.00			3347.00	
Anchor	5.00			3352.00	
Change Over Sub	0.75			3352.75	
Drill Pipe	31.50			3384.25	
Change Over Sub	0.75			3385.00	
Anchor	30.00			3415.00	
Recorder	1.00	6731	Inside	3416.00	
Recorder	1.00	8525	Outside	3417.00	
Bullnose	3.00			3420.00	73.00 Bottom Packers & Anchor

Total Tool Length: 101.00



DRILL STEM TEST REPORT

FLUID SUMMARY

Shelby Resources L.L.C

15-18s-14W Barton

445 Union Blvd Ste #208 Lakewood CO 80228

W-S #1-15

Job Ticket: 17006

DST#:2

ATTN: Jeremy Schwartz

Test Start: 2013.07.11 @ 13:10:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 47.00 sec/qt

Water Loss: 9.20 in³

Resistivity: ohm.m

Salinity: 4600.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psia

Oil API:

Water Salinity: deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1.00	5% oil 95% mud	0.005

Total Length: 1.00 ft Total Volume: 0.005 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

