



DRILL STEM TEST REPORT

Prepared For: **Shelby Resources Incorporated**

2717 Canal Blvd.
Suite C
Hays, Kansas 67601

ATTN: Keith Reavis

Buster #1-3

3/22S/16/Pawnee

Start Date: 2012.12.19 @ 07:32:00

End Date: 2012.12.19 @ 17:29:00

Job Ticket #: 16930 DST #: 1

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

Printed: 2012.12.20 @ 17:52:37

Shelby Resources Incorporated
3/22S/16/Pawnee
Buster #1-3
DST # 1
Conglomerate/Viola
2012.12.19



DRILL STEM TEST REPORT

Shelby Resources Incorporated

3/22S/16/Pawnee

2717 Canal Blvd.
Suite C
Hays, Kansas 67601
ATTN: Keith Reavis

Buster #1-3

Job Ticket: 16930

DST#: 1

Test Start: 2012.12.19 @ 07:32:00

GENERAL INFORMATION:

Formation: **Conglomerate/Viola**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:48:00

Time Test Ended: 17:29:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Ken Swinney

Unit No: 3325 Great Bend/52

Interval: 3771.00 ft (KB) To 3868.00 ft (KB) (TVD)

Reference Elevations: 1999.00 ft (KB)

Total Depth: 3868.00 ft (KB) (TVD)

1989.00 ft (CF)

Hole Diameter: 7.80 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

Serial #: 6749 Inside

Press @ Run Depth: 1165.62 psia @ 3888.16 ft (KB)

Capacity: 5000.00 psia

Start Date: 2012.12.19

End Date: 2012.12.19

Last Calib.: 2012.12.19

Start Time: 07:33:00

End Time: 17:29:00

Time On Btm: 2012.12.19 @ 09:44:00

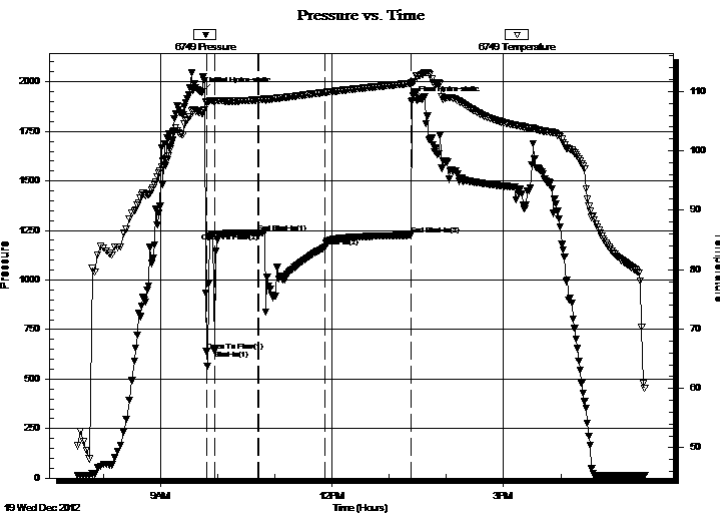
Time Off Btm: 2012.12.19 @ 13:24:00

TEST COMMENT: 1ST Open 10 Minutes/Strong blow /Blow to bottom of bucket in 1 minutes/Surging blow

1ST Shut In 45 Minutes/Surface blow back

2ND Open 70 Minutes/Surge at open then weak surface/Flush tool/Bottom of bucket in 1 minute/Gas 41 minutes

2ND Shut In 90 Minutes/Bottom of bucket in 1 minute



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1952.33	106.36	Initial Hydro-static
4	638.62	108.16	Open To Flow (1)
13	644.24	108.18	Shut-In(1)
58	1239.23	108.60	End Shut-In(1)
59	1237.03	108.62	Open To Flow (2)
129	1165.62	109.86	Shut-In(2)
219	1226.15	111.36	End Shut-In(2)
220	1905.97	111.55	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
189.00	Oily Gassy Mud	1.01
0.00	Oil 25% Gas 25% Mud 50%	0.00
63.00	Slightly oil cut mud	0.88
0.00	Oil 5% Mud 95%	0.00
2772.00	Slightly Mud cut Gassy Oil	38.88
0.00	Mud 5% Gas 30% Oil 65%	0.00

Gas Rates

	Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)
First Gas Rate	0.13	11.81	4.42
Last Gas Rate	0.13	12.61	4.72
Max. Gas Rate	0.13	12.61	4.72



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Buster #1-3

Job Ticket: 16930

DST#: 1

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Time Test Ended: 17:29:00

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Tester: Ken Swinney

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Interval: 3771.00 ft (KB) To 3868.00 ft (KB) (TVD)

Reference Elevations: 1999.00 ft (KB)

Total Depth: 3868.00 ft (KB) (TVD)

1989.00 ft (CF)

Hole Diameter: 7.80 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

Serial #: 6999 Outside

Press @ RunDepth: 1226.66 psia @ 3889.16 ft (KB)

Capacity: 5000.00 psia

Start Date: 2012.12.19

End Date: 2012.12.19

Last Calib.: 2012.12.19

Start Time: 07:33:00

End Time: 17:28:30

Time On Btm: 2012.12.19 @ 09:43:30

Time Off Btm: 2012.12.19 @ 13:23:30

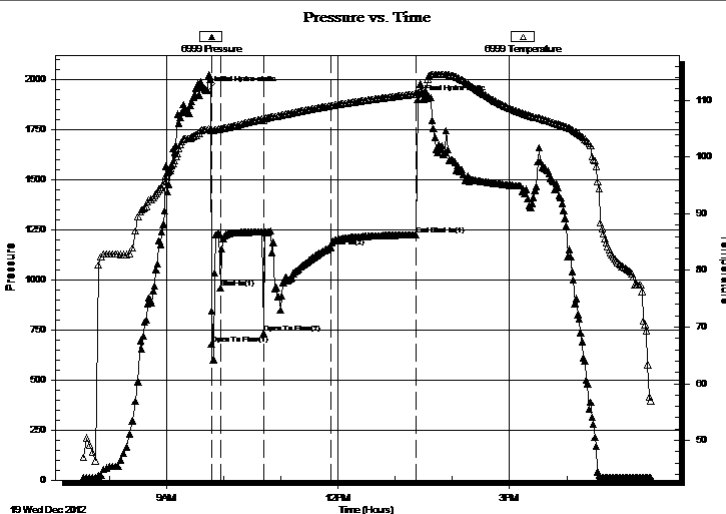
TEST COMMENT: 1ST Open 10 Minutes/Strong blow /Blow to bottom of bucket in 1 minutes/Surging blow

1ST Shut In 45 Minutes/Surface blow back

2ND Open 70 Minutes/Surge at open then weak surface/Flush tool/Bottom of bucket in 1 minute/Gas 41 minutes

2ND Shut In 90 Minutes/Bottom of bucket in 1 minute

PRESSURE SUMMARY



Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1945.90	104.90	Initial Hydro-static
4	678.63	104.67	Open To Flow (1)
13	959.52	105.00	Shut-In(1)
58	732.61	106.54	Open To Flow (2)
129	1165.13	109.07	Shut-In(2)
219	1226.66	111.13	End Shut-In(1)
220	1901.46	111.35	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
189.00	Oily Gassy Mud	1.01
0.00	Oil 25% Gas 25% Mud 50%	0.00
63.00	Slightly oil cut mud	0.88
0.00	Oil 5% Mud 95%	0.00
2772.00	Slightly Mud cut Gassy Oil	38.88
0.00	Mud 5% Gas 30% Oil 65%	0.00

Gas Rates

	Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)
First Gas Rate	0.13	11.81	4.42
Last Gas Rate	0.13	12.61	4.72
Max. Gas Rate	0.13	12.61	4.72



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TOOL DIAGRAM

Shelby Resources Incorporated

3/22S/16/Pawnee

2717 Canal Blvd.
Suite C
Hays, Kansas 67601
ATTN: Keith Reavis

Buster #1-3

Job Ticket: 16930

DST#: 1

Test Start: 2012.12.19 @ 07:32:00

Tool Information

Drill Pipe:	Length: 3610.00 ft	Diameter: 3.80 inches	Volume: 50.64 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: 180.00 ft	Diameter: 2.25 inches	Volume: 0.89 bbl	Weight to Pull Loose: 90000.00 lb
			<u>Total Volume: 51.53 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	22.00 ft			String Weight: Initial 63000.00 lb
Depth to Top Packer:	3795.00 ft			Final 75000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	97.16 ft			
Tool Length:	124.16 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			3773.00	
Hydraulic Tool	5.00			3778.00	
Jars	5.00			3783.00	
Safety Joint	2.00			3785.00	
Packer	5.00			3790.00	27.00 Bottom Of Top Packer
Packer	5.00			3795.00	
Perforations	4.00			3799.00	
Change Over Sub	0.75			3799.75	
Drill Pipe	63.66			3863.41	
Change Over Sub	0.75			3864.16	
Perforations	23.00			3887.16	
Recorder	1.00	6749	Inside	3888.16	
Recorder	1.00	6999	Outside	3889.16	
Bullnose	3.00			3892.16	97.16 Bottom Packers & Anchor

Total Tool Length: 124.16



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FLUID SUMMARY

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Job Ticket: 16930

DST#: 1

Test Start: 2012.12.19 @ 07:32:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 66.00 sec/qt
Water Loss: 7.19 in³
Resistivity: ohm.m
Salinity: 6800.00 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
189.00	Oily Gassy Mud	1.011
0.00	Oil 25% Gas 25% Mud 50%	0.000
63.00	Slightly oil cut mud	0.884
0.00	Oil 5% Mud 95%	0.000
2772.00	Slightly Mud cut Gassy Oil	38.884
0.00	Mud 5% Gas 30% Oil 65%	0.000
0.00	Corrected Specif. Grav. Oil 42	0.000

Total Length: 3024.00 ft Total Volume: 40.779 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



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GAS RATES

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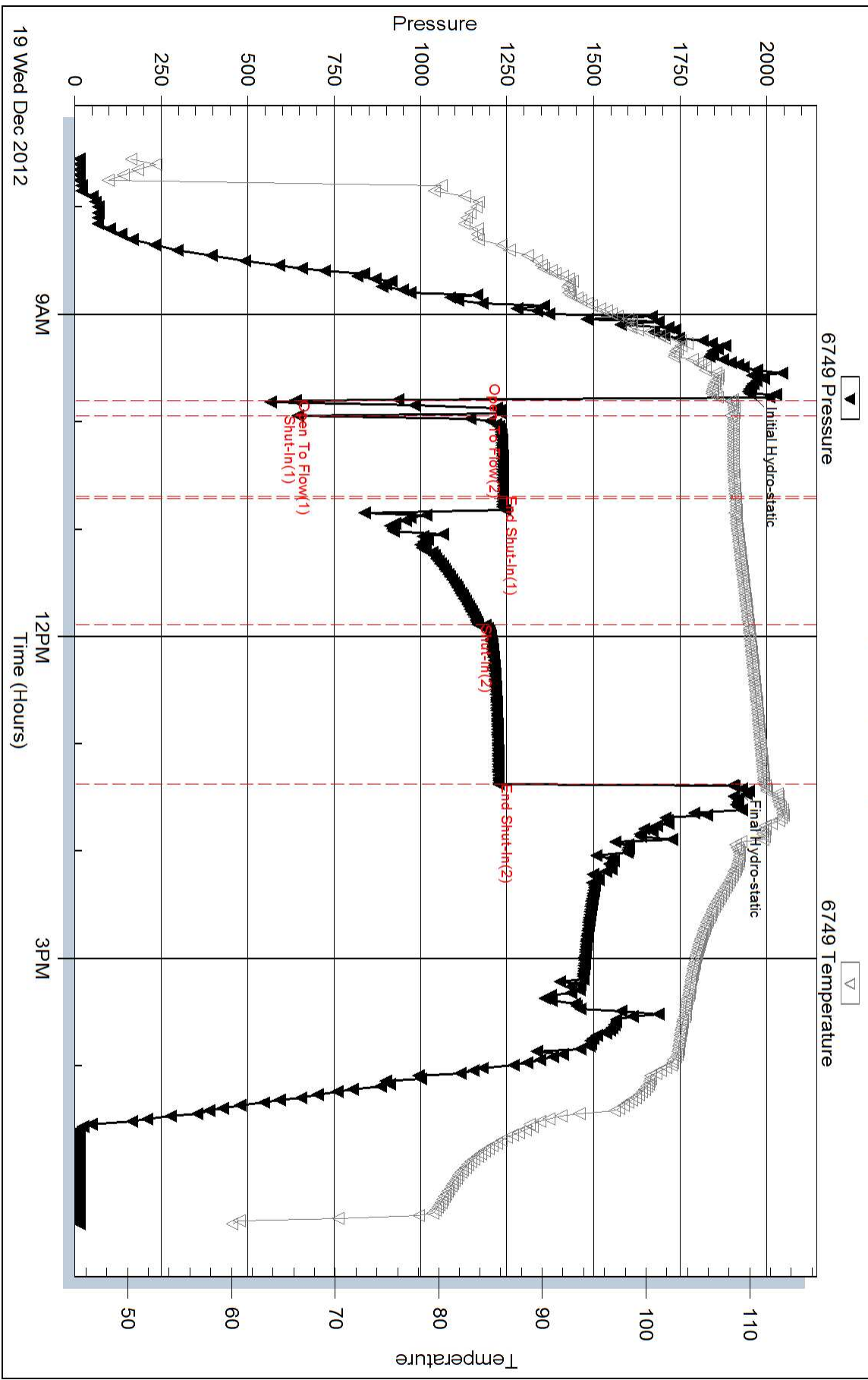
Gas Rates Information

Temperature: 59 (deg F)
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)
2	46	0.13	11.81	4.42
2	46	0.13	11.81	4.42
2	56	0.13	12.61	4.72

Pressure vs. Time



Pressure vs. Time

