



DRILL STEM TEST REPORT

Prepared For: **Shelby Resouces**

2717 Canal Blvd. Hays
Kansas 67601

ATTN: Jeremy Schwartz

Fisher 1-6

6-22s-16w Pawnee

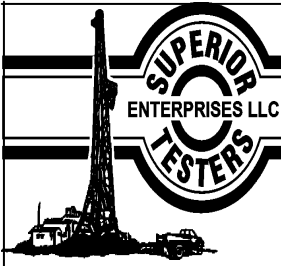
Start Date: 2013.02.03 @ 11:30:00

End Date: 2013.02.03 @ 19:36:30

Job Ticket #: 17415 DST #: 1

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

Printed: 2013.02.04 @ 07:49:47



DRILL STEM TEST REPORT

Shelby Resources

6-22s-16w Pawnee

2717 Canal Blvd. Hays
Kansas 67601

Fisher 1-6

Job Ticket: 17415

DST#: 1

ATTN: Jeremy Schwartz

Test Start: 2013.02.03 @ 11:30:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:50:30

Time Test Ended: 19:36:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Dustin Ellis

Unit No: 3315-Great Bend- 50

Interval: 3870.00 ft (KB) To 3900.00 ft (KB) (TVD)

Reference Elevations: 2016.00 ft (KB)

Total Depth: 3900.00 ft (KB) (TVD)

2005.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 11.00 ft

Serial #: 6806 Inside

Press@RunDepth: 1296.72 psia @ 3896.00 ft (KB)

Capacity: 5000.00 psia

Start Date: 2013.02.03

End Date:

2013.02.03

Last Calib.:

2013.02.04

Start Time: 11:30:00

End Time:

19:36:30

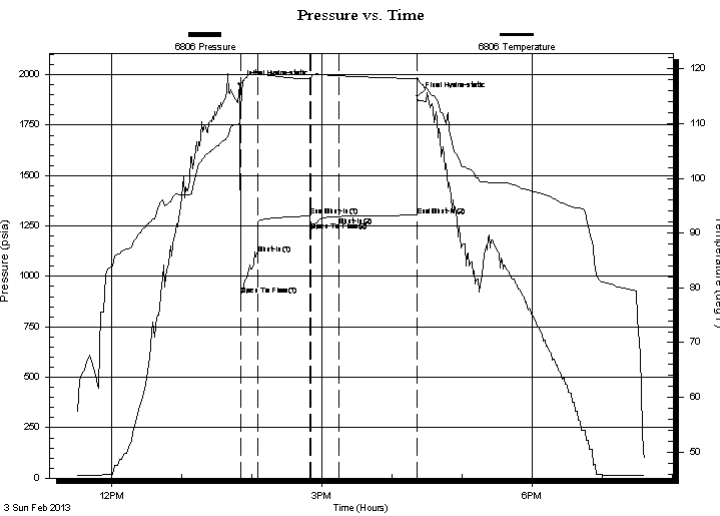
Time On Btm:

2013.02.03 @ 13:49:30

Time Off Btm:

2013.02.03 @ 16:22:00

TEST COMMENT: 1st Open 15 minutes Strong blow blew built to the bottom of a 5 gallon bucket in 1 minute.
1st Shut in 45 minutes No blow back.
2nd Open 30 minutes Strong blow blew built to the bottom of a 5 gallon bucket in 1 minute.
2nd Shut in 60 minutes No blow back



PRESSURE SUMMARY

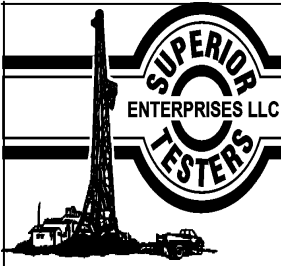
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1952.90	110.17	Initial Hydro-static
1	907.95	112.54	Open To Flow (1)
16	1109.42	119.24	Shut-In(1)
61	1298.75	118.11	End Shut-In(1)
61	1224.13	118.03	Open To Flow (2)
85	1296.72	118.72	Shut-In(2)
152	1302.78	118.19	End Shut-In(2)
153	1892.57	118.32	Final Hydro-static

Recovery

Gas Rates

Length (ft)	Description	Volume (bbl)
183.00	Muddy water 90% mud 10% water	0.90
2187.00	Water 100%	30.38
0.00	Chlorides 42,000	0.00

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



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Shelby Resources

6-22s-16w Pawnee

2717 Canal Blvd. Hays
Kansas 67601

Fisher 1-6

Job Ticket: 17415

DST#: 1

ATTN: Jeremy Schwartz

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Time Test Ended: 19:36:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Dustin Ellis

Unit No: 3315-Great Bend- 50

Interval: 3870.00 ft (KB) To 3900.00 ft (KB) (TVD)

Reference Elevations: 2016.00 ft (KB)

Total Depth: 3900.00 ft (KB) (TVD)

2005.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 11.00 ft

Serial #: 6839

Press@RunDepth: 1303.54 psia @ ft (KB)

Capacity: psia

Start Date: 2013.02.03

End Date: 2013.02.03

Last Calib.: 1899.12.30

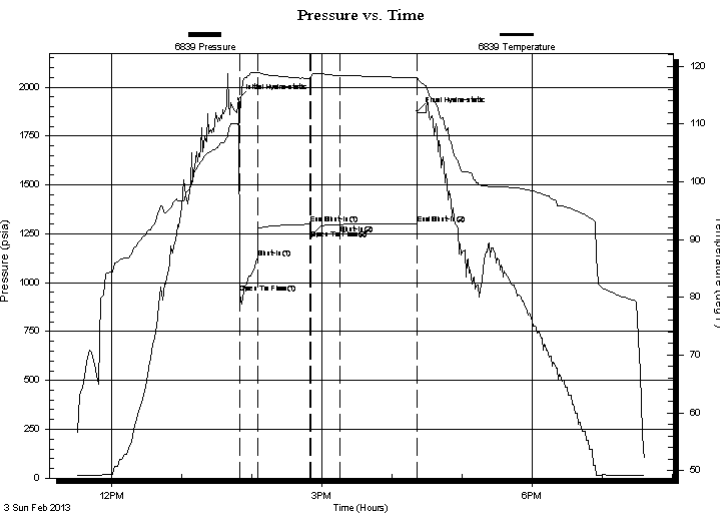
Start Time: 11:30:00

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Time On Btm: 2013.02.03 @ 13:49:00

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2nd Shut in 60 minutes No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1939.96	110.23	Initial Hydro-static
1	947.44	111.71	Open To Flow (1)
16	1126.26	118.88	Shut-In(1)
61	1299.42	117.89	End Shut-In(1)
62	1225.23	117.90	Open To Flow (2)
87	1297.88	118.45	Shut-In(2)
153	1303.54	118.02	End Shut-In(2)
153	1877.94	118.07	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
183.00	Muddy water 90% mud 10% water	0.90
2187.00	Water 100%	30.38
0.00	Chlorides 42,000	0.00

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

Shelby Resources

6-22s-16w Pawnee

2717 Canal Blvd. Hays
Kansas 67601

Fisher 1-6

Job Ticket: 17415

DST#: 1

ATTN: Jeremy Schwartz

Test Start: 2013.02.03 @ 11:30:00

Tool Information

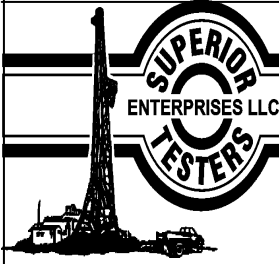
Drill Pipe:	Length: 3656.00 ft	Diameter: 3.80 inches	Volume: 51.28 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 216.02 ft	Diameter: 2.25 inches	Volume: 1.06 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 52.34 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	22.02 ft			String Weight: Initial 70000.00 lb
Depth to Top Packer:	3870.00 ft			Final 80000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	30.00 ft			
Tool Length:	50.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut-In Tool	5.00			3855.00	
Hydraulic Tool	5.00			3860.00	
Packer	5.00			3865.00	20.00 Bottom Of Top Packer
Packer	5.00			3870.00	
Anchor	25.00			3895.00	
Recorder	1.00	6806	Inside	3896.00	
Recorder	1.00	6836	Outside	3897.00	
Bullnose	3.00			3900.00	30.00 Bottom Packers & Anchor

Total Tool Length: 50.00



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FLUID SUMMARY

Shelby Resources

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Kansas 67601

Fisher 1-6

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DST#: 1

ATTN: Jeremy Schwartz

Test Start: 2013.02.03 @ 11:30:00

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: 50.00 sec/qt

Cushion Volume: bbl

Water Loss: 8.00 in³

Gas Cushion Type:

Resistivity: 0.40 ohm.m

Gas Cushion Pressure: psia

Salinity: 4400.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
183.00	Muddy w ater 90%mud 10%w ater	0.900
2187.00	Water 100%	30.377
0.00	Chlorides 42,000	0.000

Total Length: 2370.00 ft Total Volume: 31.277 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

