

DRILL STEM TEST REPORT

Prepared For: **Globe Operating INC.**

P.O. Box 12
Great Bend Ks, 67530

ATTN: Eldon Schierling

Stone #1

21,21s,13w, Stafford

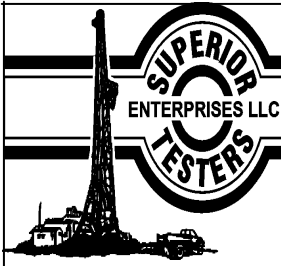
Start Date: 2013.03.18 @ 02:02:00

End Date: 2013.03.18 @ 10:31:00

Job Ticket #: 17561 DST #: 1

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

Printed: 2013.03.18 @ 22:46:55



DRILL STEM TEST REPORT

Globe Operating INC.

21,21s,13w, Stafford

P.O. Box 12
Great Bend Ks, 67530

Stone #1

Job Ticket: 17561

DST#: 1

ATTN: Eldon Schierling

Test Start: 2013.03.18 @ 02:02:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:45:30

Time Test Ended: 10:31:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Shane Konzem

Unit No: 3330, 40, Great Bend

Interval: 3640.00 ft (KB) To 3700.00 ft (KB) (TVD)

Reference Elevations: 1897.00 ft (KB)

Total Depth: 3700.00 ft (KB) (TVD)

1885.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 12.00 ft

Serial #: 8405 Inside

Press @ Run Depth: 892.09 psia @ 3696.42 ft (KB)

Capacity: 5000.00 psia

Start Date: 2013.03.18

End Date: 2013.03.18

Last Calib.: 2013.03.18

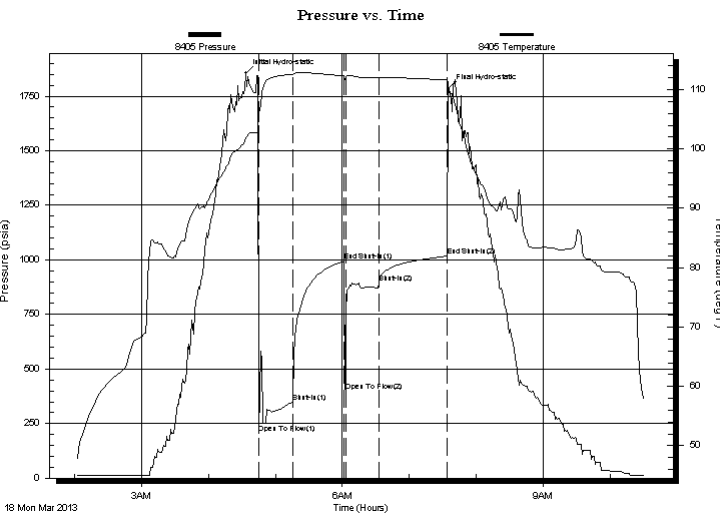
Start Time: 02:02:00

End Time: 10:31:00

Time On Btm: 2013.03.18 @ 04:33:30

Time Off Btm: 2013.03.18 @ 07:35:00

TEST COMMENT: 1st Open. 30 Minutes. Good blow built to bottom of bucket in 3 minutes.
1st Shut In. 45 Minutes. Good Blow back to bottom of bucket in 8 and a half minutes.
2nd Open. 30 Minutes. Good blow built to bottom of bucket in 11 minutes.
2nd Shut In. 60 Minutes. Fair blow back built to 9.5 inches in 22 minutes.



PRESSURE SUMMARY

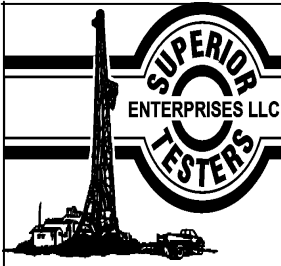
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1855.13	101.65	Initial Hydro-static
12	206.66	106.01	Open To Flow (1)
43	349.83	112.58	Shut-In(1)
88	993.85	112.29	End Shut-In(1)
90	398.11	111.72	Open To Flow (2)
119	892.09	111.98	Shut-In(2)
180	1016.83	111.64	End Shut-In(2)
182	1783.76	110.71	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
804.00	gassy oil	9.24
0.00	30% gas 70% oil	0.00
1700.00	100% gas	23.85

Gas Rates

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



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Stone #1

Job Ticket: 17561

DST#: 1

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Total Depth: 3700.00 ft (KB) (TVD)

1885.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 12.00 ft

Serial #: 8400 Outside

Press @ Run Depth: 1017.46 psia @ 3697.42 ft (KB)

Capacity: 5000.00 psia

Start Date: 2013.03.18

End Date: 2013.03.18

Last Calib.: 2013.03.18

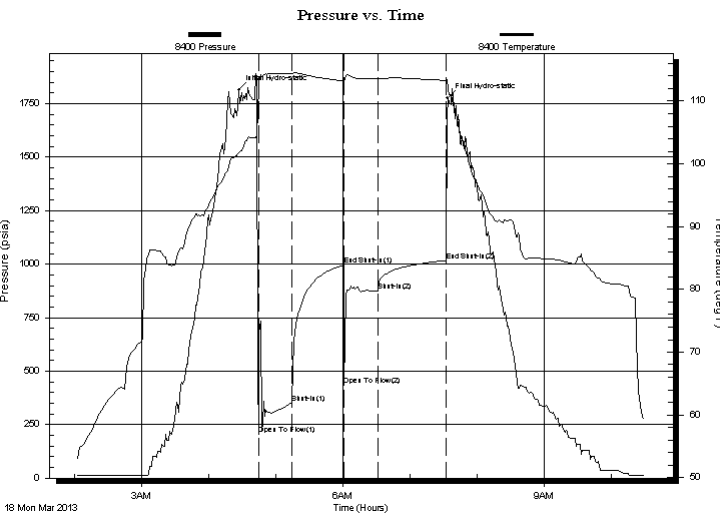
Start Time: 02:02:00

End Time: 10:30:23

Time On Btm: 2013.03.18 @ 04:26:53

Time Off Btm: 2013.03.18 @ 07:33:53

TEST COMMENT: 1st Open. 30 Minutes. Good blow built to bottom of bucket in 3 minutes.
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PRESSURE SUMMARY

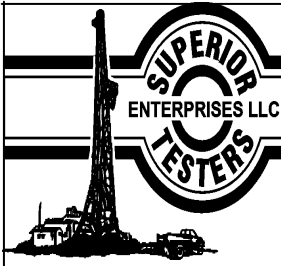
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1814.99	101.77	Initial Hydro-static
18	203.22	112.04	Open To Flow (1)
48	351.53	114.32	Shut-In(1)
94	995.12	113.29	End Shut-In(1)
94	436.09	112.95	Open To Flow (2)
124	873.95	113.56	Shut-In(2)
185	1017.46	113.30	End Shut-In(2)
187	1777.59	111.92	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
804.00	gassy oil	9.24
0.00	30% gas 70% oil	0.00
1700.00	100% gas	23.85

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

Globe Operating INC.

21,21s,13w, Stafford

P.O. Box 12
Great Bend Ks, 67530

Stone #1

Job Ticket: 17561

DST#: 1

ATTN: Eldon Schierling

Test Start: 2013.03.18 @ 02:02:00

Tool Information

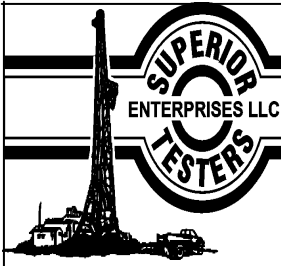
Drill Pipe:	Length: 3320.00 ft	Diameter: 3.80 inches	Volume: 46.57 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 305.00 ft	Diameter: 2.75 inches	Volume: 2.24 bbl	Weight to Pull Loose: 82000.00 lb
			<u>Total Volume: 48.81 bbl</u>	Tool Chased 1.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial 68000.00 lb
Depth to Top Packer:	3640.00 ft			Final 70000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	60.42 ft			
Tool Length:	80.42 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-InTool	5.00		Inside	3625.00	
Hydraulic Tool	5.00			3630.00	
Packer	5.00			3635.00	20.00 Bottom Of Top Packer
Packer	5.00			3640.00	
Anchor	5.00			3645.00	
Change Over Sub	0.75			3645.75	
Drill Pipe	31.92		Outside	3677.67	
Change Over Sub	0.75		Outside	3678.42	
Anchor	17.00			3695.42	
Recorder	1.00	8405	Inside	3696.42	
Recorder	1.00	8400	Outside	3697.42	
Bullnose	3.00			3700.42	60.42 Bottom Packers & Anchor

Total Tool Length: 80.42



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FLUID SUMMARY

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Great Bend Ks, 67530

Stone #1

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DST#: 1

ATTN: Eldon Schierling

Test Start: 2013.03.18 @ 02:02:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 63.00 sec/qt
Water Loss: 7.60 in³
Resistivity: ohm.m
Salinity: 5200.00 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
804.00	gassy oil	9.240
0.00	30% gas 70% oil	0.000
1700.00	100% gas	23.847

Total Length: 2504.00 ft Total Volume: 33.087 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8405

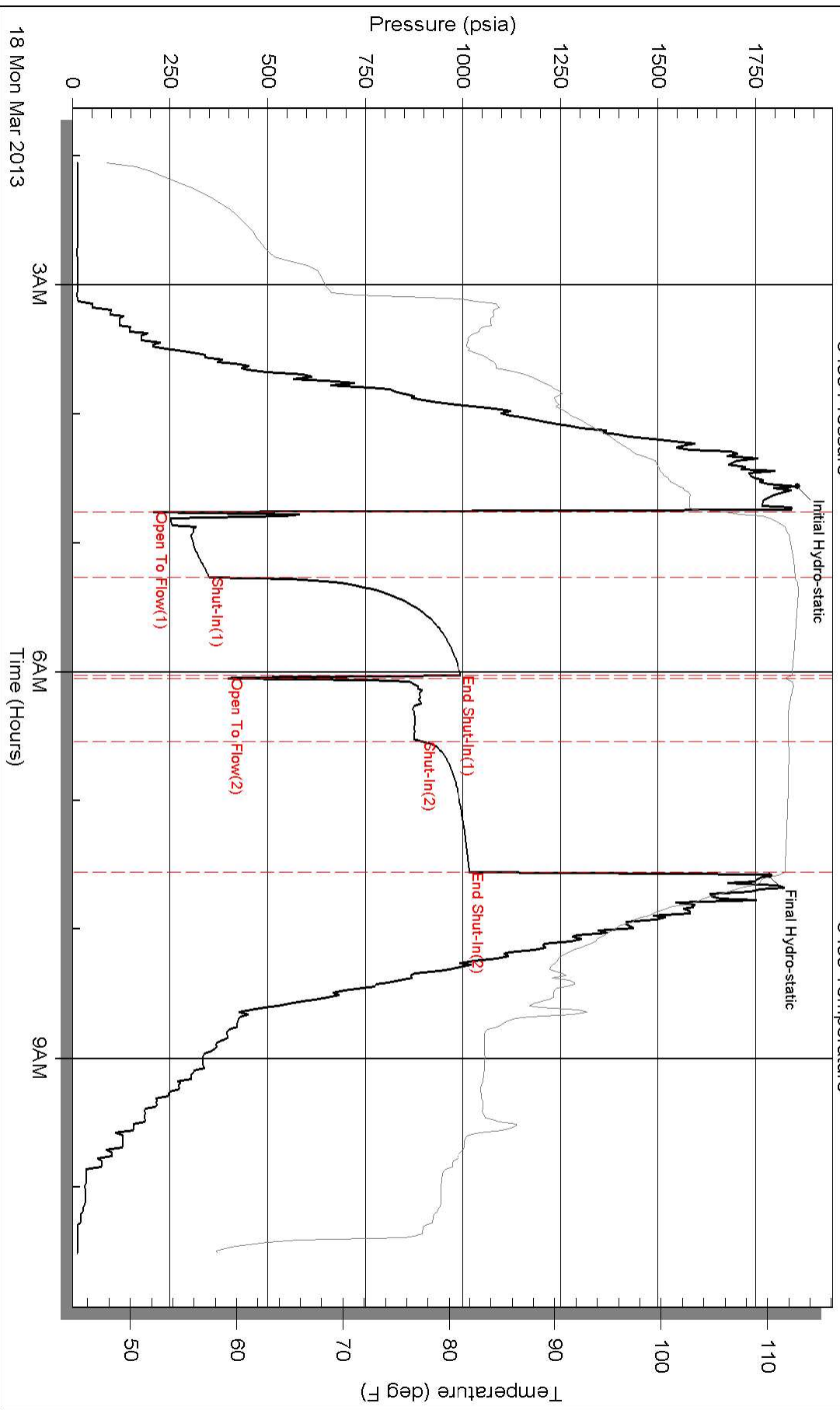
Inside

Globe Operating INC.

Stone #1

DST Test Number: 1

Pressure vs. Time



Superior Testers Enterprises LLC

Ref. No: 17561

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