



DRILL STEM TEST REPORT

Prepared For: **RJM Company**

Po Box 256 Claflin Kansas
67525

ATTN: Jim Musgrove

Boys Town Unit #2

32-17s-10w-Barton

Start Date: 2013.01.20 @ 05:30:00

End Date: 2013.01.20 @ 11:16:16

Job Ticket #: 17412 DST #: 4

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

Printed: 2013.01.20 @ 23:27:01

RJM Company
32-17s-10w-Barton
Boys Town Unit #2
DST # 4
Arbuckle
2013.01.20



DRILL STEM TEST REPORT

RJM Company
 Po Box 256 Claflin Kansas
 67525
 ATTN: Jim Musgrove

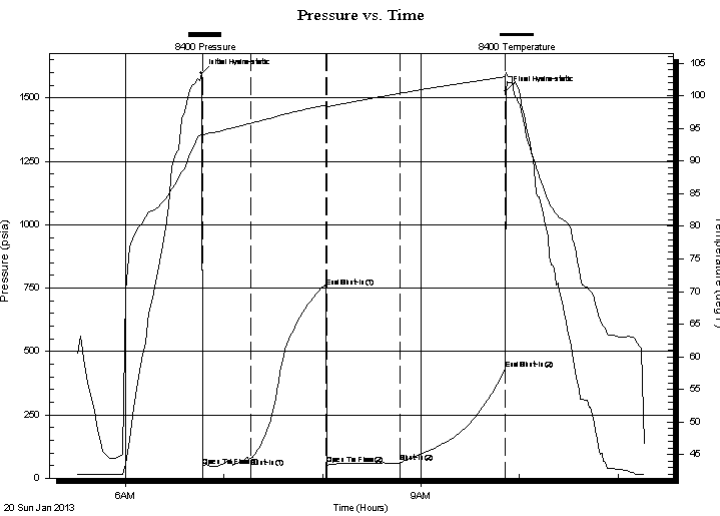
32-17s-10w-Barton
Boys Town Unit #2
 Job Ticket: 17412 **DST#: 4**
 Test Start: 2013.01.20 @ 05:30:00

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 06:47:23
 Time Test Ended: 11:16:16
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Dustin Ellis
 Unit No: 3315-Great Bend-60
 Interval: **3211.00 ft (KB) To 3248.00 ft (KB) (TVD)**
 Total Depth: 3248.00 ft (KB) (TVD)
 Reference Elevations: 1798.00 ft (KB)
 1790.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 KB to GR/CF: 8.00 ft

Serial #: 8400 Outside
 Press@RunDepth: 60.98 psia @ 3245.00 ft (KB) Capacity: 5000.00 psia
 Start Date: 2013.01.20 End Date: 2013.01.20 Last Calib.: 2013.01.20
 Start Time: 05:30:00 End Time: 11:16:16 Time On Btm: 2013.01.20 @ 06:46:23
 Time Off Btm: 2013.01.20 @ 09:51:53

TEST COMMENT: 1st Open 30 minutes Fair building blow blew bottom bucket 18 minutes.
 1st Shut in 45 minutes No blow back
 2nd Open 45 minutes Fair building blow blew 10 inches .
 2nd Shut in 60 minutes No blow back.



PRESSURE SUMMARY			
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1597.93	94.07	Initial Hydro-static
1	47.26	93.98	Open To Flow (1)
30	76.71	95.79	Shut-In(1)
76	753.44	98.62	End Shut-In(1)
77	53.35	98.40	Open To Flow (2)
121	60.98	100.40	Shut-In(2)
185	430.51	102.95	End Shut-In(2)
186	1528.99	103.61	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
55.00	Oil cut mud 60%Mud 40%Oil	0.77

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



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 Po Box 256 Claflin Kansas
 67525
 ATTN: Jim Musgrove

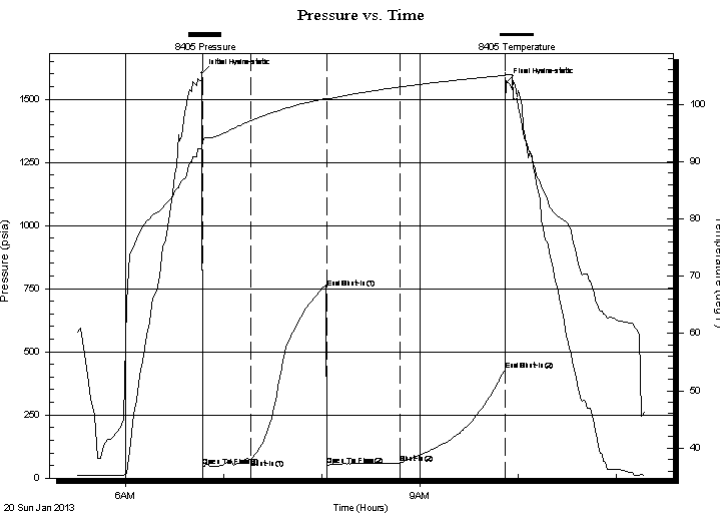
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 Total Depth: 3248.00 ft (KB) (TVD) 1790.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 8.00 ft

Serial #: 8405 Inside
 Press@RunDepth: 429.02 psia @ 3244.00 ft (KB) Capacity: 5000.00 psia
 Start Date: 2013.01.20 End Date: 2013.01.20 Last Calib.: 2013.01.20
 Start Time: 05:30:00 End Time: 11:17:30 Time On Btm: 2013.01.20 @ 06:47:00
 Time Off Btm: 2013.01.20 @ 09:53:00

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 1st Shut in 45 minutes No blow back
 2nd Open 45 minutes Fair building blow blew 10 inches .
 2nd Shut in 60 minutes No blow back.



PRESSURE SUMMARY			
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1603.00	92.47	Initial Hydro-static
1	45.74	93.56	Open To Flow (1)
30	75.60	97.17	Shut-In(1)
76	754.75	101.04	End Shut-In(1)
77	52.04	100.94	Open To Flow (2)
122	60.24	103.04	Shut-In(2)
185	429.02	105.04	End Shut-In(2)
186	1566.64	105.25	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
55.00	Oil cut mud 60%Mud 40%Oil	0.77

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



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TOOL DIAGRAM

RJM Company
 Po Box 256 Claflin Kansas
 67525
 A T T N : Jim Musgrove

32-17s-10w-Barton
Boys Town Unit #2
 Job Ticket: 17412 **DST#: 4**
 Test Start: 2013.01.20 @ 05:30:00

Tool Information

Drill Pipe:	Length: 3211.00 ft	Diameter: 3.80 inches	Volume: 45.04 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose:	33000.00 lb
			<u>Total Volume: 45.04 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial	31000.00 lb
Depth to Top Packer:	3211.00 ft			Final	32000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	37.00 ft				
Tool Length:	57.00 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			3196.00	
Hydraulic Tool	5.00			3201.00	
Packer	5.00			3206.00	20.00 Bottom Of Top Packer
Packer	5.00			3211.00	
Anchor	32.00			3243.00	
Recorder	1.00	8405	Inside	3244.00	
Recorder	1.00	8400	Outside	3245.00	
Bullnose	3.00			3248.00	37.00 Bottom Packers & Anchor

Total Tool Length: 57.00



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FLUID SUMMARY

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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: 44.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.60 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psia		
Salinity: 8000.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

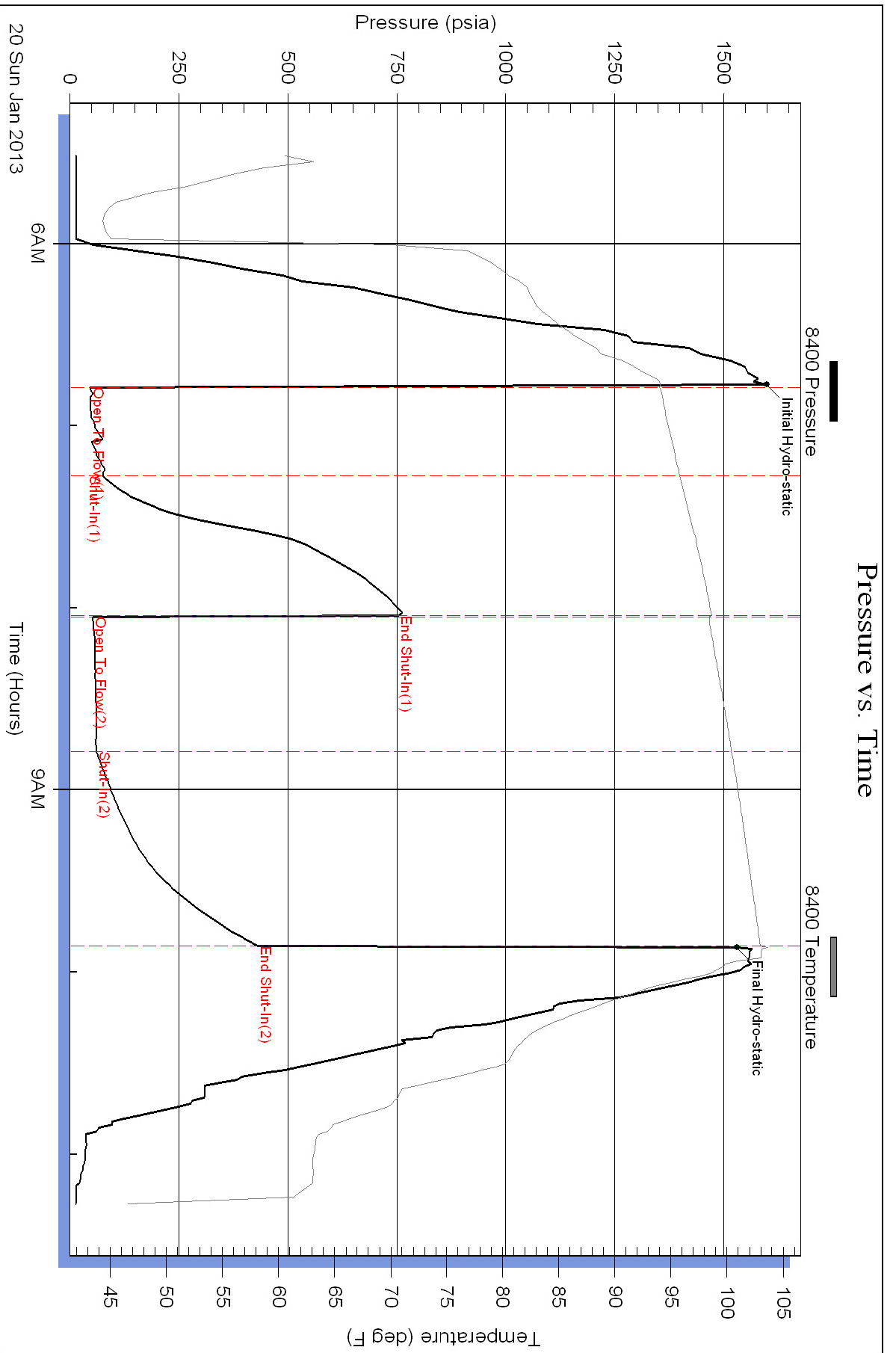
Length ft	Description	Volume bbl
55.00	Oil cut mud 60%Mud 40%Oil	0.772

Total Length: 55.00 ft Total Volume: 0.772 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:



Pressure vs. Time

