



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

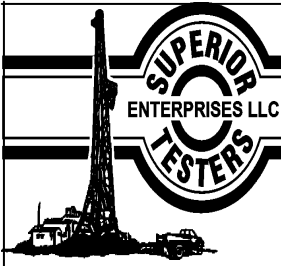
Start Date: 2013.01.20 @ 02:40:00

End Date: 2013.01.20 @ 08:06:23

Job Ticket #: 17411 DST #: 3

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

Printed: 2013.01.20 @ 08:35:00



DRILL STEM TEST REPORT

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 67525
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32-17s-10w-Barton
Boys Town Unit #2
 Job Ticket: 17411 **DST#: 3**
 Test Start: 2013.01.20 @ 02:40:00

GENERAL INFORMATION:

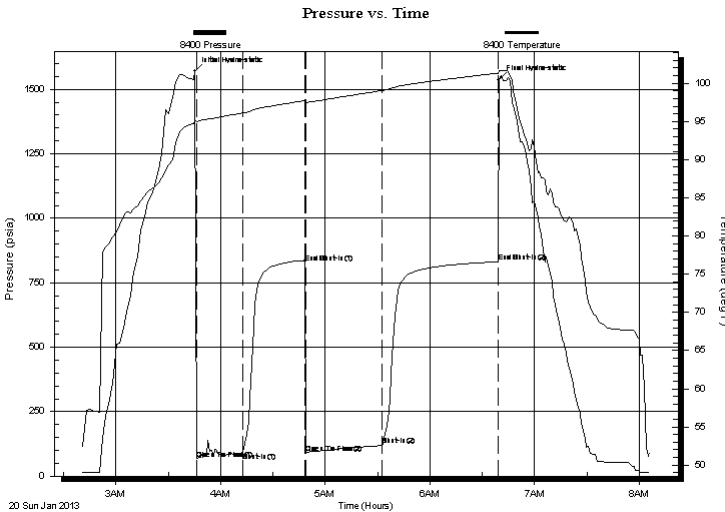
Formation: **Lansing I-J-K**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 03:46:23 Tester: Dustin Ellis
 Time Test Ended: 08:06:23 Unit No: 3315-Great Bend-60
 Interval: **3111.00 ft (KB) To 3190.00 ft (KB) (TVD)** Reference Elevations: 1798.00 ft (KB)
 Total Depth: 3190.00 ft (KB) (TVD) 1790.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 8.00 ft

Serial #: 8400

Press@RunDepth: 118.68 psia @ ft (KB) Capacity: 5000.00 psia
 Start Date: 2013.01.20 End Date: 2013.01.20 Last Calib.: 2013.01.20
 Start Time: 02:40:00 End Time: 08:06:23 Time On Btm: 2013.01.20 @ 03:45:23
 Time Off Btm: 2013.01.20 @ 06:39:23

TEST COMMENT: 1st Open 30 minutes Fair building blow blew 6 inches.
 1st Shut in 30 minutes No blow back
 2nd Open 45 minutes Blow blew bottom bucket 24 minutes.
 2nd Shut in 60 minutes No blow back

PRESSURE SUMMARY



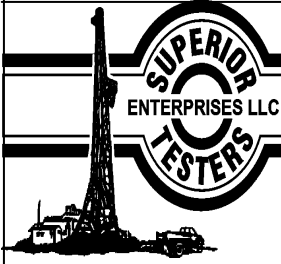
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1570.49	95.12	Initial Hydro-static
1	67.26	94.97	Open To Flow (1)
28	92.95	96.10	Shut-In(1)
63	826.82	97.74	End Shut-In(1)
64	88.14	97.51	Open To Flow (2)
107	118.68	99.02	Shut-In(2)
174	831.56	101.33	End Shut-In(2)
174	1537.48	101.60	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
90.00	Oil spotted mud Mud 99%Oil 1%	1.26

Gas Rates

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



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 Job Ticket: 17411 **DST#: 3**
 Test Start: 2013.01.20 @ 02:40:00

GENERAL INFORMATION:

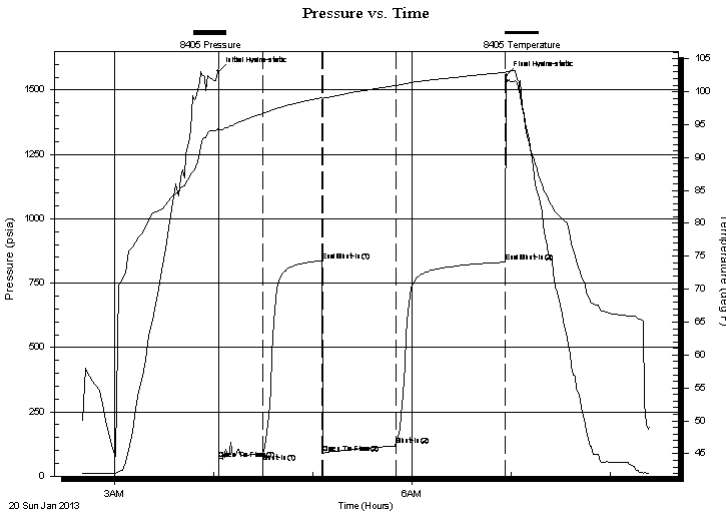
Formation: **Lansing I-J-K**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 03:46:23 Tester: Dustin Ellis
 Time Test Ended: 08:06:23 Unit No: 3315-Great Bend-60
 Interval: **3111.00 ft (KB) To 3190.00 ft (KB) (TVD)** Reference Elevations: 1798.00 ft (KB)
 Total Depth: 3190.00 ft (KB) (TVD) 1790.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 8.00 ft

Serial #: 8405

Press@RunDepth: 831.62 psia @ ft (KB) Capacity: 5000.00 psia
 Start Date: 2013.01.20 End Date: 2013.01.20 Last Calib.: 2013.01.20
 Start Time: 02:40:00 End Time: 08:23:30 Time On Btm: 2013.01.20 @ 04:03:00
 Time Off Btm: 2013.01.20 @ 06:57:00

TEST COMMENT: 1st Open 30 minutes Fair building blow blew 6 inches.
 1st Shut in 30 minutes No blow back
 2nd Open 45 minutes Blow blew bottom bucket 24 minutes.
 2nd Shut in 60 minutes No blow back

PRESSURE SUMMARY



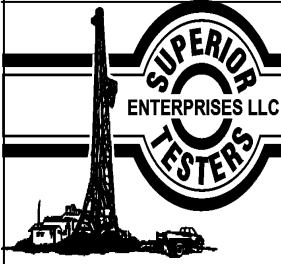
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1573.55	94.47	Initial Hydro-static
1	65.26	94.27	Open To Flow (1)
27	89.05	96.71	Shut-In(1)
63	837.09	99.12	End Shut-In(1)
63	90.93	98.98	Open To Flow (2)
107	120.29	100.93	Shut-In(2)
174	831.62	102.94	End Shut-In(2)
174	1556.33	103.06	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
90.00	Oil spotted mud Mud 99%Oil 1%	1.26

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

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

32-17s-10w-Barton
Boys Town Unit #2
 Job Ticket: 17411 **DST#: 3**
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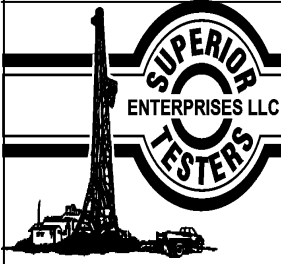
Tool Information

Drill Pipe:	Length: 3124.00 ft	Diameter: 3.80 inches	Volume: 43.82 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: 34000.00 lb
			<u>Total Volume: 43.82 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	33.00 ft			String Weight: Initial 30000.00 lb
Depth to Top Packer:	3111.00 ft			Final 31000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	79.20 ft			
Tool Length:	99.20 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			3096.00	
Hydraulic Tool	5.00			3101.00	
Packer	5.00			3106.00	20.00 Bottom Of Top Packer
Packer	5.00			3111.00	
Anchor	5.00			3116.00	
Change Over Sub	0.75			3116.75	
Drill Pipe	31.70			3148.45	
Change Over Sub	0.75			3149.20	
Anchor	36.00			3185.20	
Recorder	1.00	8405	Inside	3186.20	
Recorder	1.00	8400	Outside	3187.20	
Bullnose	3.00			3190.20	79.20 Bottom Packers & Anchor

Total Tool Length: 99.20



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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: 47.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.20 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psia		
Salinity: 9000.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
90.00	Oil spotted mud Mud 99%Oil 1%	1.262

Total Length: 90.00 ft Total Volume: 1.262 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:

Pressure vs. Time

