



DRILL STEM TEST REPORT

Prepared For: **RJM Company**

Po Box 256 Claflin KS 67525+0256

ATTN: Jim Musgrove

Maurice Nordman #1

6-18s-14w Barton

Start Date: 2013.12.04 @ 03:54:00

End Date: 2013.12.04 @ 10:20:00

Job Ticket #: 18468 DST #: 1

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

Printed: 2013.12.04 @ 10:36:52

RJM Company
6-18s-14w Barton
Maurice Nordman #1
DST # 1
Lansing A zone
2013.12.04



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 ATTN: Jim Musgrove

6-18s-14w Barton
Maurice Nordman #1
 Job Ticket: 18468 **DST#: 1**
 Test Start: 2013.12.04 @ 03:54:00

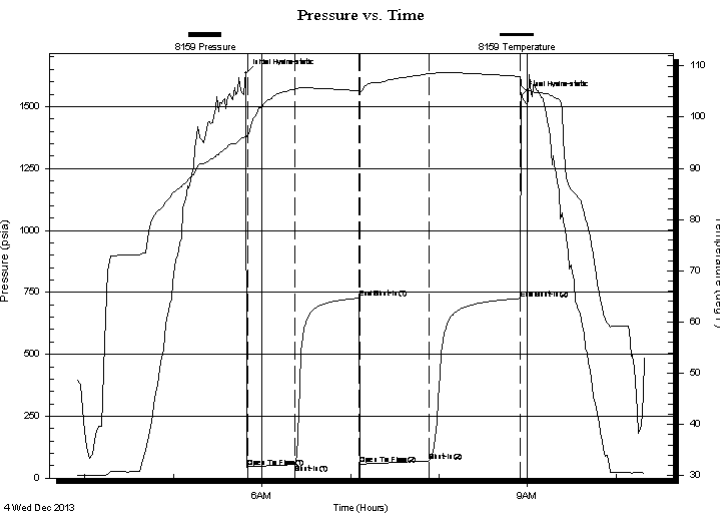
GENERAL INFORMATION:

Formation: **Lansing A zone**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 05:50:00 Tester: Jared Scheck
 Time Test Ended: 10:20:00 Unit No: 3320-Great Bend-45
 Interval: **3262.00 ft (KB) To 3279.00 ft (KB) (TVD)** Reference Elevations: 1991.00 ft (KB)
 Total Depth: 3279.00 ft (KB) (TVD) 1984.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 7.00 ft

Serial #: 8159

Press@RunDepth: 69.73 psia @ ft (KB) Capacity: 5000.00 psia
 Start Date: 2013.12.04 End Date: 2013.12.04 Last Calib.: 2013.12.04
 Start Time: 03:54:00 End Time: 10:20:00 Time On Btm: 2013.12.04 @ 05:49:00
 Time Off Btm: 2013.12.04 @ 08:56:00

TEST COMMENT: 1st Opening 30 Minutes-Weak blow built 3 1/2 inches into bucket w ater in 30 minutes
 1st Shut-in 45 Minutes-No blow back
 2nd Opening 45 Minutes-Weak blow built 2 1/2 inches into bucket w ater in 45 minutes
 2nd Shut-in 60 Minutes-No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1634.74	96.25	Initial Hydro-static
1	45.21	96.46	Open To Flow (1)
33	55.10	105.43	Shut-In(1)
77	726.64	105.17	End Shut-In(1)
78	56.00	104.82	Open To Flow (2)
124	69.73	108.47	Shut-In(2)
186	725.10	107.94	End Shut-In(2)
187	1545.61	106.32	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
50.00	mud w ater 20% mud 80% w ater	0.70
0.00	Chlorides 28,000 resistivity .15@65 degr	0.00

Gas Rates

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



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TOOL DIAGRAM

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Tool Information

Drill Pipe:	Length: 3254.00 ft	Diameter: 3.80 inches	Volume: 45.65 bbl	Tool Weight:	1000.00 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:	57000.00 lb
			<u>Total Volume: 45.65 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	12.00 ft			String Weight: Initial	47000.00 lb
Depth to Top Packer:	3262.00 ft			Final	47000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	17.00 ft				
Tool Length:	37.00 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			3247.00	
Hydraulic Tool	5.00			3252.00	
Packer	5.00			3257.00	20.00 Bottom Of Top Packer
Packer	5.00			3262.00	
Anchor	12.00			3274.00	
Recorder	1.00	6731	Inside	3275.00	
Recorder	1.00	8159	Outside	3276.00	
Bullnose	3.00			3279.00	17.00 Bottom Packers & Anchor

Total Tool Length: 37.00



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FLUID SUMMARY

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Mud and Cushion Information

Mud Type: Invert	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 51.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.00 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psia		
Salinity: 400.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
50.00	mud w ater 20% mud 80% w ater	0.701
0.00	Chlorides 28,000 resistivity .15@65 degr	0.000

Total Length: 50.00 ft Total Volume: 0.701 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

