



DRILL STEM TEST REPORT

Prepared For: **Barline Oil L.L.C**

7804 E Funston Ste 209 Wichita KS 67207

ATTN: Bill Ree

Ratliff/Wangerlin#1

17-2s-15w Smith

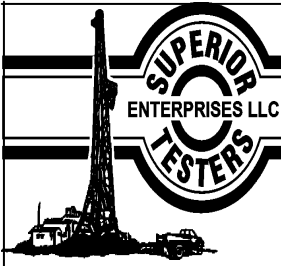
Start Date: 2013.01.06 @ 12:20:00

End Date: 2013.01.06 @ 18:20:30

Job Ticket #: 16995 DST #: 1

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

Printed: 2013.01.06 @ 18:38:42



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 Job Ticket: 16995 **DST#: 1**
 Test Start: 2013.01.06 @ 12:20:00

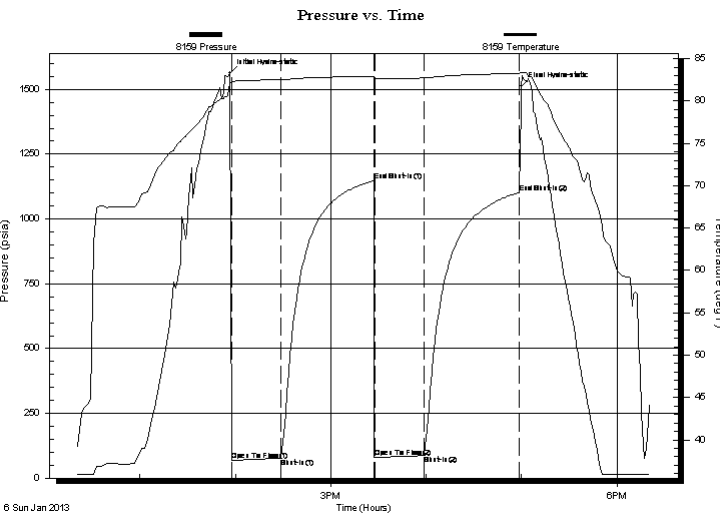
GENERAL INFORMATION:

Formation: **Teronto Lansing A z**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 13:57:30
 Time Test Ended: 18:20:30
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Jared Scheck
 Unit No: 3320-Great Bend-270
 Interval: **3070.00 ft (KB) To 3155.00 ft (KB) (TVD)**
 Total Depth: 3155.00 ft (KB) (TVD)
 Reference Elevations: 1983.00 ft (KB)
 1970.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 KB to GR/CF: 13.00 ft

Serial #: 8159

Press@RunDepth: 86.95 psia @ ft (KB) Capacity: 5000.00 psia
 Start Date: 2013.01.06 End Date: 2013.01.06 Last Calib.: 2013.01.06
 Start Time: 12:20:00 End Time: 18:20:30 Time On Btm: 2013.01.06 @ 13:56:30
 Time Off Btm: 2013.01.06 @ 17:00:00

TEST COMMENT: 1st Opening 30 Minutes-Weak blow built 1 inch into water in 30 minutes
 1st Shut-in 60 Minutes-No blow back
 2nd Opening 30 Minutes-Very weak surface blow built 1/4 inch into water in 30 minutes
 2nd Shut-in 60 Minutes-No blow back



PRESSURE SUMMARY

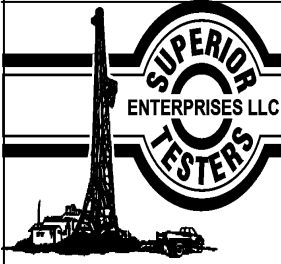
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1562.32	82.02	Initial Hydro-static
1	67.57	82.22	Open To Flow (1)
32	77.89	82.50	Shut-In(1)
91	1147.57	82.90	End Shut-In(1)
92	78.77	82.67	Open To Flow (2)
122	86.95	82.71	Shut-In(2)
182	1102.26	83.28	End Shut-In(2)
184	1512.03	83.35	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	mud	0.05

Gas Rates

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



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TOOL DIAGRAM

Barline Oil L.L.C

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Ratliff/Wangerlin#1

Job Ticket: 16995

DST#: 1

ATTN: Bill Ree

Test Start: 2013.01.06 @ 12:20:00

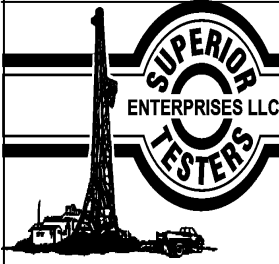
Tool Information

Drill Pipe:	Length: 2940.00 ft	Diameter: 3.80 inches	Volume: 41.24 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: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 50000.00 lb
			<u>Total Volume: 41.83 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 38000.00 lb
Depth to Top Packer:	3070.00 ft			Final 38000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	85.00 ft			
Tool Length:	105.00 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			3055.00	
Hydraulic Tool	5.00			3060.00	
Packer	5.00			3065.00	20.00 Bottom Of Top Packer
Packer	5.00			3070.00	
Anchor	4.00			3074.00	
Change Over Sub	0.75			3074.75	
Drill Pipe	63.50			3138.25	
Change Over Sub	0.75			3139.00	
Anchor	11.00			3150.00	
Recorder	1.00	6731	Inside	3151.00	
Recorder	1.00	8159	Outside	3152.00	
Bullnose	3.00			3155.00	85.00 Bottom Packers & Anchor

Total Tool Length: 105.00



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FLUID SUMMARY

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Ratliff/Wangerlin#1

Job Ticket: 16995

DST#: 1

ATTN: Bill Ree

Test Start: 2013.01.06 @ 12:20:00

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: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.00 in³

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
10.00	mud	0.049

Total Length: 10.00 ft Total Volume: 0.049 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

