



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: 2013.01.07 @ 02:35:00

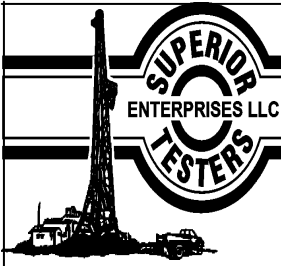
End Date: 2013.01.07 @ 09:25:30

Job Ticket #: 16996 DST #: 2

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

Printed: 2013.01.07 @ 09:38:48

Barline Oil L.L.C
17-2s-15w Smith
Ratliff/Wangerlin#1
DST # 2
Lansing B C
2013.01.07



DRILL STEM TEST REPORT

Barline Oil L.L.C

17-2s-15w Smith

7804 E Funston Ste 209 Wichita KS 67207

Ratliff/Wangerlin#1

Job Ticket: 16996

DST#: 2

ATTN: Bill Ree

Test Start: 2013.01.07 @ 02:35:00

GENERAL INFORMATION:

Formation: **Lansing BC**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:15:30

Time Test Ended: 09:25:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Jared Scheck

Unit No: 3320-Great Bend-270

Interval: 3153.00 ft (KB) To 3205.00 ft (KB) (TVD)

Reference Elevations: 1983.00 ft (KB)

Total Depth: 3205.00 ft (KB) (TVD)

1970.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 13.00 ft

Serial #: 8159

Press@RunDepth: 54.19 psia @ ft (KB)

Capacity: 5000.00 psia

Start Date: 2013.01.07 End Date: 2013.01.07

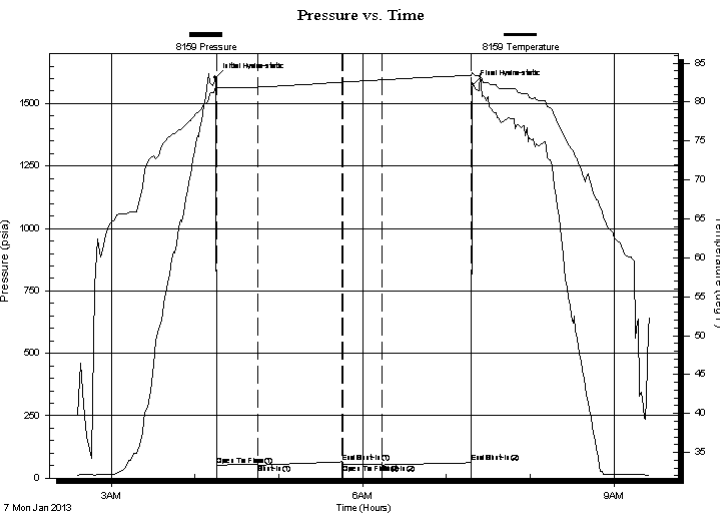
Last Calib.: 2013.01.07

Start Time: 02:35:00 End Time: 09:25:30

Time On Btm: 2013.01.07 @ 04:14:30

Time Off Btm: 2013.01.07 @ 07:19:00

TEST COMMENT: 1st Opening 30 Minutes-Weak blow built 1 inch into bucket w water in 30 minutes
 1st Shut-in 60 Minutes-No blow back
 2nd Opening 30 Minutes-Weak surface blow did not build
 2nd Shut-in 60 Minutes-No blow back



PRESSURE SUMMARY

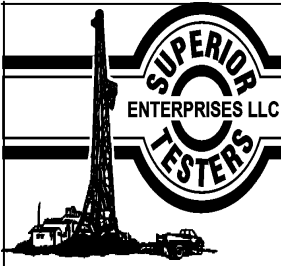
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1604.17	82.01	Initial Hydro-static
1	52.29	81.79	Open To Flow (1)
30	53.49	81.92	Shut-In(1)
91	65.20	82.56	End Shut-In(1)
92	53.59	82.57	Open To Flow (2)
120	54.19	82.86	Shut-In(2)
184	61.99	83.44	End Shut-In(2)
185	1577.30	83.72	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud	0.02

Gas Rates

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



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Ratliff/Wangerlin#1

Job Ticket: 16996

DST#: 2

ATTN: Bill Ree

Test Start: 2013.01.07 @ 02:35:00

GENERAL INFORMATION:

Formation: **Lansing BC**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:15:30

Time Test Ended: 09:25:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Jared Scheck

Unit No: 3320-Great Bend-270

Interval: 3153.00 ft (KB) To 3205.00 ft (KB) (TVD)

Reference Elevations: 1983.00 ft (KB)

Total Depth: 3205.00 ft (KB) (TVD)

1970.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 13.00 ft

Serial #: 8525

Press@RunDepth: 69.75 psia @ ft (KB)

Capacity: 5000.00 psia

Start Date: 2013.01.07 End Date: 2013.01.07

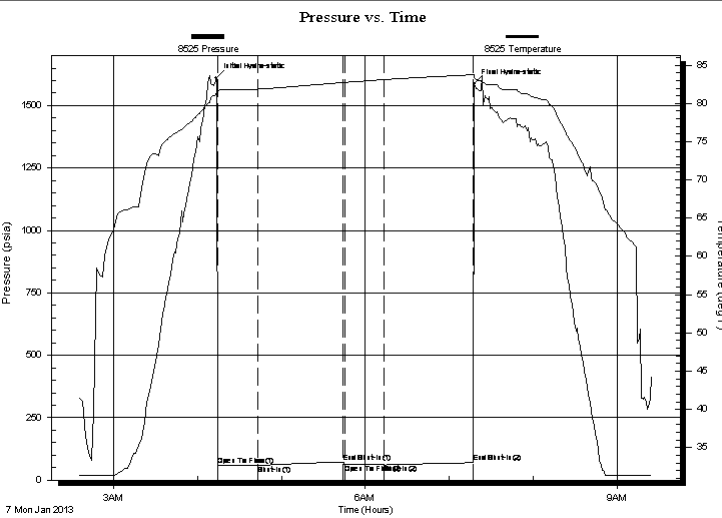
Last Calib.: 2013.01.07

Start Time: 02:35:00 End Time: 09:24:30

Time On Btm: 2013.01.07 @ 04:13:30

Time Off Btm: 2013.01.07 @ 07:18:00

TEST COMMENT: 1st Opening 30 Minutes-Weak blow built 1 inch into bucket w water in 30 minutes
 1st Shut-in 60 Minutes-No blow back
 2nd Opening 30 Minutes-Weak surface blow did not build
 2nd Shut-in 60 Minutes-No blow back



PRESSURE SUMMARY

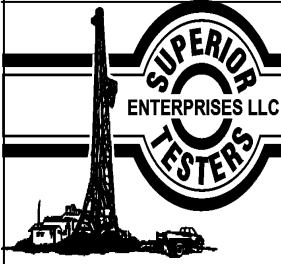
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1611.40	81.35	Initial Hydro-static
1	59.87	81.67	Open To Flow (1)
30	61.10	81.88	Shut-In(1)
91	73.16	82.73	End Shut-In(1)
92	61.52	82.74	Open To Flow (2)
120	62.30	83.10	Shut-In(2)
184	69.75	83.74	End Shut-In(2)
185	1586.37	83.52	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud	0.02

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

Barline Oil L.L.C

17-2s-15w Smith

7804 E Funston Ste 209 Wichita KS 67207

Ratliff/Wangerlin#1

Job Ticket: 16996

DST#:2

ATTN: Bill Ree

Test Start: 2013.01.07 @ 02:35:00

Tool Information

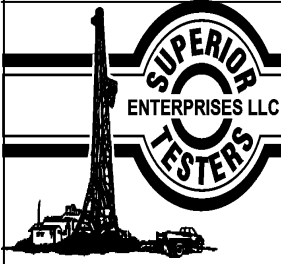
Drill Pipe:	Length: 3041.00 ft	Diameter: 3.80 inches	Volume: 42.66 bbl	Tool Weight: 1000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 65000.00 lb
			<u>Total Volume: 43.25 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial 40000.00 lb
Depth to Top Packer:	3153.00 ft			Final 40000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	52.00 ft			
Tool Length:	72.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments: Ruined packer

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Shut-In Tool	5.00			3138.00	
Hydraulic Tool	5.00			3143.00	
Packer	5.00			3148.00	20.00 Bottom Of Top Packer
Packer	5.00			3153.00	
Anchor	3.00			3156.00	
Change Over Sub	0.75			3156.75	
Drill Pipe	31.50			3188.25	
Change Over Sub	0.75			3189.00	
Anchor	11.00			3200.00	
Recorder	1.00	8525	Inside	3201.00	
Recorder	1.00	8159	Outside	3202.00	
Bullnose	3.00			3205.00	52.00 Bottom Packers & Anchor

Total Tool Length: 72.00



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FLUID SUMMARY

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7804 E Funston Ste 209 Wichita KS 67207

Ratliff/Wangerlin#1

Job Ticket: 16996

DST#:2

ATTN: Bill Ree

Test Start: 2013.01.07 @ 02:35:00

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: bbl

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
5.00	mud	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Ruined packer

