



## DRILL STEM TEST REPORT

Prepared For: **Sandlin Oil Corporation**

621 17th St STE 2055  
Denver Co, 80293-2001

ATTN: Steve Reed

### **Brown Etal #1**

### **17/10s/16w/Rooks**

Start Date: 2014.07.16 @ 15:30:00

End Date: 2014.07.16 @ 20:47:30

Job Ticket #: 18598                      DST #: 1

Superior Testers Enterprises LLC  
PO Box 138 Great Bend KS 67530  
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# DRILL STEM TEST REPORT

Sandlin Oil Corporation  
 621 17th St STE 2055  
 Denver Co, 80293-2001  
 ATTN: Steve Reed

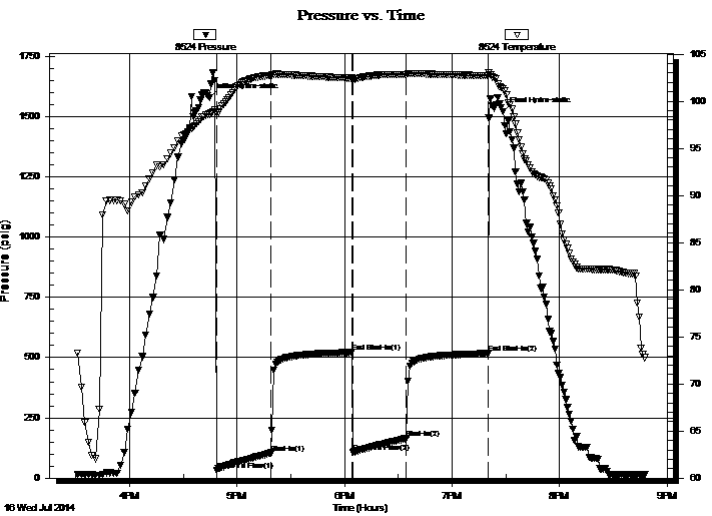
**17/10s/16w/Rooks**  
**Brown Etal #1**  
 Job Ticket: 18598 **DST#: 1**  
 Test Start: 2014.07.16 @ 15:30:00

## GENERAL INFORMATION:

Formation: **Kansas City "G"**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 16:48:30  
 Time Test Ended: 20:47:30  
 Interval: **3312.00 ft (KB) To 3323.00 ft (KB) (TVD)**  
 Total Depth: 3323.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Poor  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Shane Konzem  
 Unit No: 3330/126/Great Bend  
 Reference Elevations: 2055.00 ft (KB)  
 2049.00 ft (CF)  
 KB to GR/CF: 6.00 ft

**Serial #: 8524 Inside**  
 Press@RunDepth: 164.98 psig @ 3319.00 ft (KB) Capacity: 5000.00 psig  
 Start Date: 2014.07.16 End Date: 2014.07.16 Last Calib.: 2014.07.16  
 Start Time: 15:31:00 End Time: 20:47:30 Time On Btm: 2014.07.16 @ 16:44:30  
 Time Off Btm: 2014.07.16 @ 19:28:30

**TEST COMMENT:** 1st Open/ 30 Minutes. Good blow built to bottom of 5 gallon bucket in 15 minutes and 30 seconds.  
 1st Shut In/ 45 Minutes. Weak surface blow back.  
 2nd Open/ 30 Minutes. Good blow built to bottom of 5 gallon bucket in 19 minutes and 50 seconds.  
 2nd Shut In/ 45 Minutes. Weak surface blow back.



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1579.29	98.62	Initial Hydro-static
4	33.82	98.77	Open To Flow (1)
35	104.94	102.75	Shut-In(1)
80	521.63	102.46	End Shut-In(1)
80	106.79	102.35	Open To Flow (2)
110	164.98	102.86	Shut-In(2)
156	517.27	102.72	End Shut-In(2)
164	1521.94	101.32	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
0.00	382 feet 100% gas	0.00
10.00	100% Clean oil	0.14
30.00	40% Mud, 55% water, 5% oil	0.42
63.00	40% mud, 60% water	0.88
63.00	20% mud, 80% water	0.88
63.00	10% mud, 90% water	0.88

## Gas Rates

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





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TOOL DIAGRAM

Sandlin Oil Corporation

17/10s/16w/Rooks

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DST#: 1

ATTN: Steve Reed

Test Start: 2014.07.16 @ 15:30:00

## Tool Information

Drill Pipe:	Length: 3299.00 ft	Diameter: 3.80 inches	Volume: 46.28 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: 54000.00 lb
			<u>Total Volume: 46.28 bbl</u>	Tool Chased 1.00 ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3312.00 ft			Final 51000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	11.00 ft			
Tool Length:	31.00 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			3297.00	
Hydraulic tool	5.00			3302.00	
Top Packer	5.00			3307.00	
Packer	5.00			3312.00	20.00 Bottom Of Top Packer
Anchor	6.00			3318.00	
Recorder	1.00	8524	Inside	3319.00	
Recorder	1.00	8159	Outside	3320.00	
Bull Plug	3.00			3323.00	11.00 Anchor Tool

**Total Tool Length: 31.00**



# DRILL STEM TEST REPORT

## FLUID SUMMARY

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Brown Etal #1

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DST#: 1

ATTN: Steve Reed

Test Start: 2014.07.16 @ 15:30:00

### 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: 93.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.98 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 2500.00 ppm			
Filter Cake: inches			

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	382 feet 100% gas	0.000
10.00	100% Clean oil	0.140
30.00	40% Mud, 55% w ater, 5% oil	0.421
63.00	40% mud, 60% w ater	0.884
63.00	20% mud, 80% w ater	0.884
63.00	10% mud, 90%w ater	0.884
63.00	100% w ater	0.884
0.00	Chloride recov 27000 ppm	0.000
0.00	resist recov .22 ohms at 50 degrees	0.000

Total Length: 292.00 ft      Total Volume: 4.097 bbl

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

Laboratory Name:      Laboratory Location:

Recovery Comments:

Serial #: 8524

Inside

Sandlin Oil Corporation

Brown Bal #1

DST Test Number: 1

