



## 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: 2014.07.17 @ 09:50:00

End Date: 2014.07.17 @ 15:06:30

Job Ticket #: 18599                      DST #: 2

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

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Test Start: 2014.07.17 @ 09:50:00

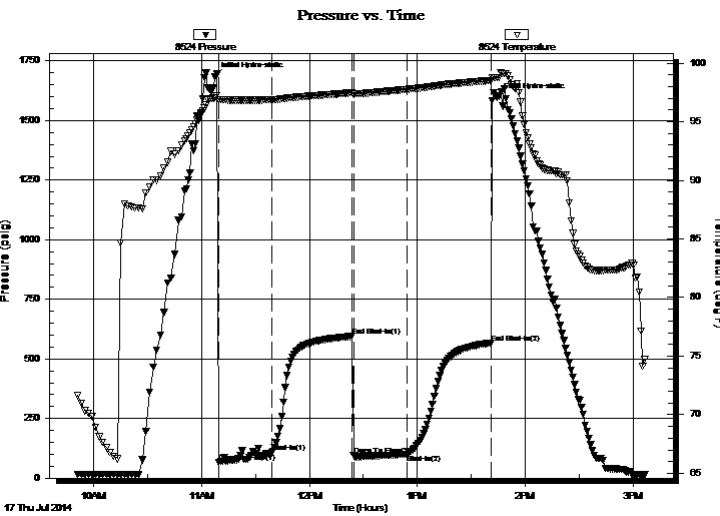
## GENERAL INFORMATION:

Formation: **Kansas City "H-J"**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 11:09:30  
 Time Test Ended: 15:06:30  
 Interval: **3334.00 ft (KB) To 3410.00 ft (KB) (TVD)**  
 Total Depth: 3410.00 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

Press@RunDepth: 101.57 psig @ ft (KB) Capacity: 5000.00 psig  
 Start Date: 2014.07.17 End Date: 2014.07.17 Last Calib.: 2014.07.17  
 Start Time: 09:51:00 End Time: 15:06:30 Time On Btm: 2014.07.17 @ 11:07:30  
 Time Off Btm: 2014.07.17 @ 13:44:30

TEST COMMENT: 1st Open/ 30 Min utes. Fair blow built to 6 inches into bucket of w ater.  
 1st Shut In/ 45 Minutes. No blow back.  
 2nd Open/ 30 Minutes. Fair blow built to 5 inches into bucket of w ater.  
 2nd Shut In/ 45 Minutes. No blow back.



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1684.34	97.05	Initial Hydro-static
2	65.70	96.91	Open To Flow (1)
32	107.09	96.88	Shut-In(1)
76	594.55	97.47	End Shut-In(1)
77	94.35	97.36	Open To Flow (2)
107	101.57	97.77	Shut-In(2)
154	567.66	98.53	End Shut-In(2)
157	1596.35	98.75	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
1.00	100% clean oil	0.01
29.00	Gassy oil, cut Mud	0.41
0.00	10% Gas, 17.5% Oil, 70% Mud, 2.5% w a	0.00
63.00	Oil cut w atery mud	0.88
0.00	2.5% Oil, 65% Mud, 65% Mud	0.00
0.00	Chloride recov, 28000 ppm	0.00

## Gas Rates

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



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 621 17th St STE 2055  
 Denver Co, 80293-2001  
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**Brown Etal #1**  
 Job Ticket: 18599 **DST#: 2**  
 Test Start: 2014.07.17 @ 09:50:00

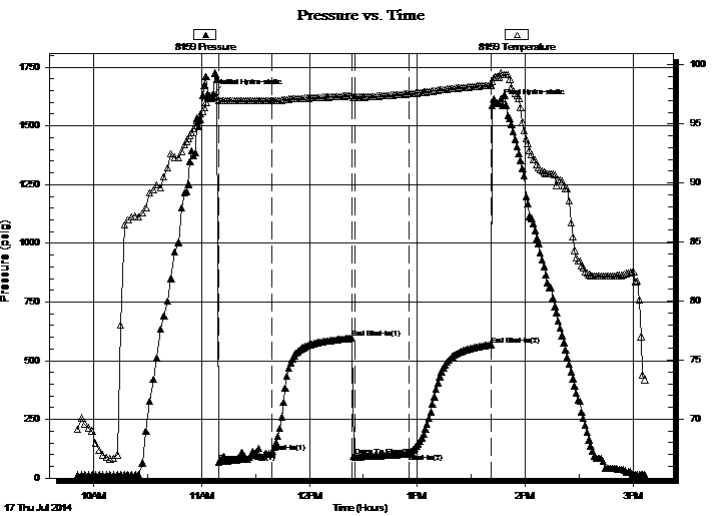
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 Hole Diameter: 7.88 inches Hole Condition: Poor  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Shane Konzem  
 Unit No: 3330/126/Great Bend  
 Reference Elevations: 2055.00 ft (KB)  
 2049.00 ft (CF)  
 KB to GR/CF: 6.00 ft

## Serial #: 8159

Press@RunDepth: 568.88 psig @ ft (KB) Capacity: 5000.00 psig  
 Start Date: 2014.07.17 End Date: 2014.07.17 Last Calib.: 2014.07.17  
 Start Time: 09:51:00 End Time: 15:07:00 Time On Btm: 2014.07.17 @ 11:06:30  
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 1st Shut In/ 45 Minutes. No blow back.  
 2nd Open/ 30 Minutes. Fair blow built to 5 inches into bucket of w ater.  
 2nd Shut In/ 45 Minutes. No blow back.



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1637.88	97.25	Initial Hydro-static
3	67.32	96.98	Open To Flow (1)
33	108.67	96.97	Shut-In(1)
77	595.64	97.40	End Shut-In(1)
79	91.45	97.27	Open To Flow (2)
109	107.25	97.56	Shut-In(2)
155	568.88	98.29	End Shut-In(2)
158	1596.86	98.98	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
1.00	100% clean oil	0.01
29.00	Gassy oil, cut Mud	0.41
0.00	10% Gas, 17.5% Oil, 70% Mud, 2.5% w a	0.00
63.00	Oil cut w atery mud	0.88
0.00	2.5% Oil, 65% Mud, 65% Mud	0.00
0.00	Chloride recov, 28000 ppm	0.00

## Gas Rates

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



# DRILL STEM TEST REPORT

TOOL DIAGRAM

Sandlin Oil Corporation

17/10s/16w/Rooks

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

Brown Etal #1

Job Ticket: 18599

DST#: 2

ATTN: Steve Reed

Test Start: 2014.07.17 @ 09:50:00

## Tool Information

Drill Pipe:	Length: 3331.00 ft	Diameter: 3.80 inches	Volume: 46.73 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: 64000.00 lb
			Total Volume: 46.73 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	17.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3334.00 ft			Final 52000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	76.36 ft			
Tool Length:	96.36 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			3319.00	
Hydraulic tool	5.00			3324.00	
Packer	5.00			3329.00	20.00 Bottom Of Top Packer
Packer	5.00			3334.00	
Anchor	5.00			3339.00	
Change Over Sub	0.75			3339.75	
Drill Pipe	31.86			3371.61	
Change Over Sub	0.75			3372.36	
Anchor	33.00			3405.36	
Recorder	1.00	8524	Inside	3406.36	
Recorder	1.00	8159	Outside	3407.36	
Bull Plug	3.00			3410.36	76.36 Bottom Packers & Anchor

**Total Tool Length: 96.36**



# DRILL STEM TEST REPORT

**FLUID SUMMARY**

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**DST#: 2**

ATTN: Steve Reed

Test Start: 2014.07.17 @ 09:50:00

## Mud and Cushion Information

Mud Type: Gel Chem  
Mud Weight: 9.00 lb/gal  
Viscosity: 50.00 sec/qt  
Water Loss: 8.78 in<sup>3</sup>  
Resistivity: ohm.m  
Salinity: 3000.00 ppm  
Filter Cake: inches

Cushion Type:  
Cushion Length: ft  
Cushion Volume: bbl  
Gas Cushion Type:  
Gas Cushion Pressure: psig

Oil API: deg API  
Water Salinity: ppm

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1.00	100% clean oil	0.014
29.00	Gassy oil, cut Mud	0.407
0.00	10% Gas, 17.5% Oil, 70% Mud, 2.5% water	0.000
63.00	Oil cut w atery mud	0.884
0.00	2.5% Oil, 65% Mud, 65% Mud	0.000
0.00	Chloride recov, 28000 ppm	0.000
0.00	Resist recov .22 ohms at 50 degrees	0.000

Total Length: 93.00 ft      Total Volume: 1.305 bbl

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

Laboratory Name:      Laboratory Location:

Recovery Comments:

