



## DRILL STEM TEST REPORT

Prepared For: **RJM Company**

Po Box 256 Claflin Kansas 67525

ATTN: Jim Mustrove

### **Robl Farms #1**

#### **18-19s-11w**

Start Date: 2012.06.19 @ 09:25:00

End Date: 2012.06.19 @ 15:55:53

Job Ticket #: 17688                      DST #: 6

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

Printed: 2012.06.20 @ 11:22:36



# DRILL STEM TEST REPORT

RJM Company  
 Po Box 256 Claflin Kansas 67525  
 ATTN: Jim Mustrove

**18-19s-11w**  
**Robl Farms #1**  
 Job Ticket: 17688 **DST#: 6**  
 Test Start: 2012.06.19 @ 09:25:00

## GENERAL INFORMATION:

Formation: **Arbuckle**  
 Deviated: No Whipstock: ft (KB)  
 Test Type: Conventional Bottom Hole (Initial)  
 Time Tool Opened: 10:53:53  
 Tester: Dustin Ellis  
 Time Test Ended: 15:55:53  
 Unit No: 3315-GB30  
 Interval: **3374.00 ft (KB) To 3379.00 ft (KB) (TVD)**  
 Reference Elevations: 1799.00 ft (KB)  
 Total Depth: 3379.00 ft (KB) (TVD)  
 1792.00 ft (CF)  
 Hole Diameter: 7.88 inches  
 Hole Condition: Fair  
 KB to GR/CF: 7.00 ft

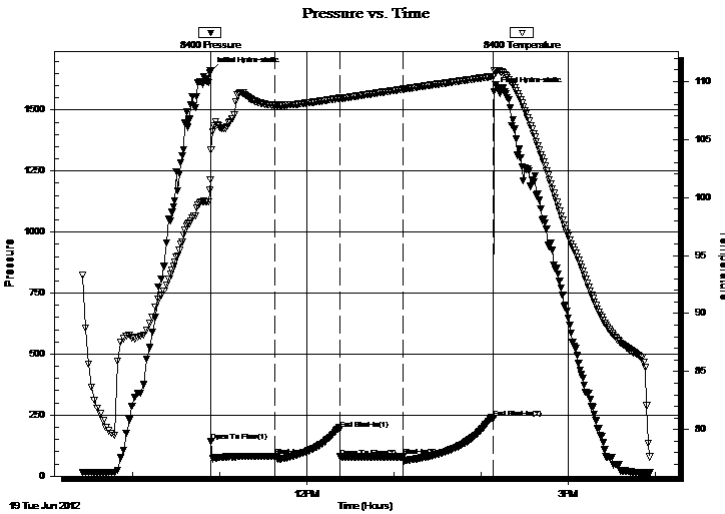
## Serial #: 8400

Inside

Press @ Run Depth: 79.29 psig @ 3376.00 ft (KB) Capacity: 5000.00 psig  
 Start Date: 2012.06.19 End Date: 2012.06.19 Last Calib.: 2012.06.20  
 Start Time: 09:25:23 End Time: 15:55:53 Time On Btm: 2012.06.19 @ 10:53:23  
 Time Off Btm: 2012.06.19 @ 14:08:53

TEST COMMENT: 1st Open 45 minutes Fair building blow blew 2 inches .  
 1st Shut in 45 minutes No blow back  
 2nd Open 45 minutes Weak blow then died off  
 2nd Shut in 60 minutes No blow back

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1658.85	101.54	Initial Hydro-static
1	143.85	104.11	Open To Flow (1)
45	80.80	107.95	Shut-In(1)
89	190.55	108.55	End Shut-In(1)
90	78.80	108.51	Open To Flow (2)
133	79.29	109.32	Shut-In(2)
195	238.28	110.44	End Shut-In(2)
196	1576.43	110.94	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
10.00	Very lightly oil spotted 1%oil 99%mud	0.05
61.00	Mudd 100%	0.30

## Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (m <sup>3</sup> /d)



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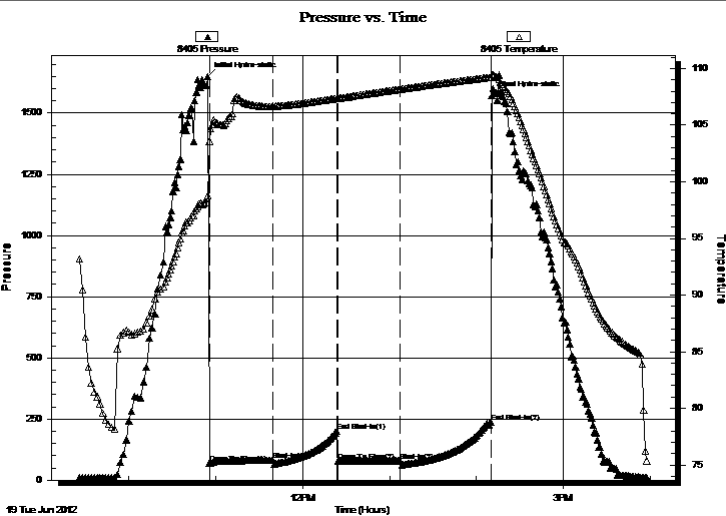
**18-19s-11w**  
**Robl Farms #1**  
 Job Ticket: 17688 **DST#: 6**  
 Test Start: 2012.06.19 @ 09:25:00

## GENERAL INFORMATION:

Formation: **Arbuckle**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 10:53:53  
 Time Test Ended: 15:55:53  
 Interval: **3374.00 ft (KB) To 3379.00 ft (KB) (TVD)**  
 Total Depth: 3379.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Dustin Ellis  
 Unit No: 3315-GB30  
 Reference Elevations: 1799.00 ft (KB)  
 1792.00 ft (CF)  
 KB to GR/CF: 7.00 ft

**Serial #: 8405 Outside**  
 Press @ RunDepth: 235.55 psig @ 3375.00 ft (KB) Capacity: 5000.00 psig  
 Start Date: 2012.06.19 End Date: 2012.06.19 Last Calib.: 2012.06.20  
 Start Time: 09:26:00 End Time: 15:57:30 Time On Btm: 2012.06.19 @ 10:54:30  
 Time Off Btm: 2012.06.19 @ 14:10:30

**TEST COMMENT:** 1st Open 45 minutes Fair building blow blew 2 inches .  
 1st Shut in 45 minutes No blow back  
 2nd Open 45 minutes Weak blow then died off  
 2nd Shut in 60 minutes No blow back



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1649.90	98.82	Initial Hydro-static
1	70.78	103.58	Open To Flow (1)
45	80.08	106.66	Shut-In(1)
89	200.82	107.37	End Shut-In(1)
90	78.49	107.36	Open To Flow (2)
133	78.47	108.18	Shut-In(2)
196	235.55	109.23	End Shut-In(2)
196	1570.93	109.48	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
10.00	Very lightly oil spotted 1%oil 99%mud	0.05
61.00	Mudd 100%	0.30

## Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (m <sup>3</sup> /d)



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**TOOL DIAGRAM**

RJM Company  
 Po Box 256 Claflin Kansas 67525  
 A T T N : Jim Mustrove

**18-19s-11w**  
**Robl Farms #1**  
 Job Ticket: 17688      **DST#: 6**  
 Test Start: 2012.06.19 @ 09:25:00

## Tool Information

Drill Pipe:	Length: 3255.00 ft	Diameter: 3.80 inches	Volume: 45.66 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:	2000.00 lb
Drill Collar:	Length: 118.79 ft	Diameter: 2.25 inches	Volume: 0.58 bbl	Weight to Pull Loose:	52000.00 lb
			<u>Total Volume: 46.24 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	19.79 ft			String Weight: Initial	42000.00 lb
Depth to Top Packer:	3374.00 ft			Final	42000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	5.00 ft				
Tool Length:	25.00 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			3359.00	
Hydraulic Tool	5.00			3364.00	
Packer	5.00			3369.00	20.00      Bottom Of Top Packer
Packer	5.00			3374.00	
Anchor	0.00			3374.00	
Recorder	1.00	8405	Outside	3375.00	
Recorder	1.00	8400	Inside	3376.00	
Bull Plug	3.00			3379.00	5.00      Bottom Packers & Anchor

**Total Tool Length: 25.00**



# DRILL STEM TEST REPORT

## FLUID SUMMARY

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Test Start: 2012.06.19 @ 09:25:00

### 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:	48.00 sec/qt	Cushion Volume:	bbbl		
Water Loss:	15.18 in <sup>3</sup>	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	18000.00 ppm				
Filter Cake:	1.00 inches				

### Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
10.00	Very lightly oil spotted 1%oil 99%mud	0.049
61.00	Mudd 100%	0.300

Total Length: 71.00 ft      Total Volume: 0.349 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

