



## DRILL STEM TEST REPORT

Prepared For: **RJM Company**

Po Box 256 Claflin Kansas 67525

ATTN: Jim Musgrove

### **Robl Farms #1**

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

Start Date: 2012.06.16 @ 09:16:00

End Date: 2012.06.16 @ 16:22:30

Job Ticket #: 17685                      DST #: 3

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

Printed: 2012.06.20 @ 13:11:01



# DRILL STEM TEST REPORT

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

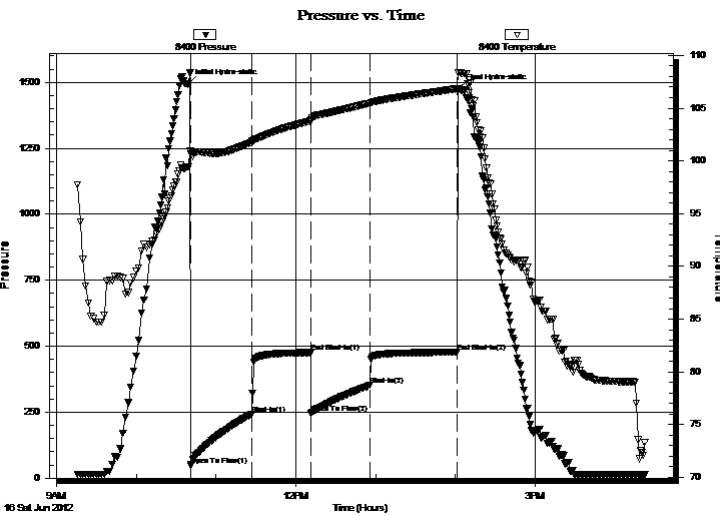
**18-19s-11w**  
**Robl Farms #1**  
 Job Ticket: 17685 **DST#: 3**  
 Test Start: 2012.06.16 @ 09:16:00

## GENERAL INFORMATION:

Formation: **Lancing G-H**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 10:41:00  
 Time Test Ended: 16:22:30  
 Interval: **3160.00 ft (KB) To 3180.00 ft (KB) (TVD)**  
 Total Depth: 3180.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Dustin Ellis  
 Unit No: 3315-GB-30  
 Reference Elevations: 1799.00 ft (KB)  
 1792.00 ft (CF)  
 KB to GR/CF: 7.00 ft

**Serial #: 8400 Inside**  
 Press @ Run Depth: 351.17 psig @ 3176.00 ft (KB) Capacity: 5000.00 psig  
 Start Date: 2012.06.16 End Date: 2012.06.16 Last Calib.: 2012.06.19  
 Start Time: 09:16:00 End Time: 16:22:30 Time On Btm: 2012.06.16 @ 10:39:30  
 Time Off Btm: 2012.06.16 @ 14:02:30

**TEST COMMENT:** 1st Open 45 minutes Strong building blow blew bottom bucket 7 minutes  
 1st Shut in 45 minutes No blow back  
 2nd Open 45 minutes Strong building blow buit to bottom bucket in 13 minutes.  
 2nd Shut in 60 minutes No blow back



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1494.17	99.45	Initial Hydro-static
2	47.59	100.68	Open To Flow (1)
48	243.51	101.79	Shut-In(1)
92	476.20	103.79	End Shut-In(1)
92	247.28	103.88	Open To Flow (2)
136	351.17	105.46	Shut-In(2)
202	476.70	106.84	End Shut-In(2)
204	1475.10	108.39	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
91.00	Oil cut mud 5%oil95%mud	0.45
91.00	Mudy w ater 100%	0.66
549.00	Water 100%	7.70

## Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (m³/d)



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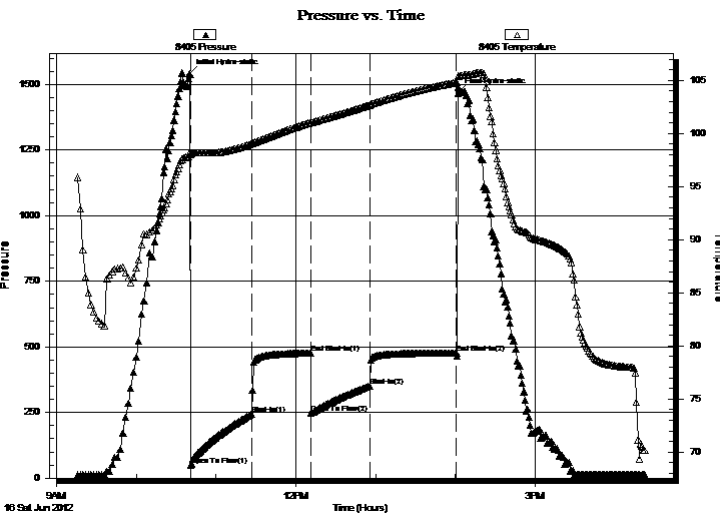
**18-19s-11w**  
**Robl Farms #1**  
 Job Ticket: 17685 **DST#: 3**  
 Test Start: 2012.06.16 @ 09:16:00

## GENERAL INFORMATION:

Formation: **Lancing G-H**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 10:41:00  
 Time Test Ended: 16:22:30  
 Interval: **3160.00 ft (KB) To 3180.00 ft (KB) (TVD)**  
 Total Depth: 3180.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Dustin Ellis  
 Unit No: 3315-GB-30  
 Reference Elevations: 1799.00 ft (KB)  
 1792.00 ft (CF)  
 KB to GR/CF: 7.00 ft

**Serial #: 8405 Inside**  
 Press @ Run Depth: 477.32 psig @ 3176.00 ft (KB) Capacity: 5000.00 psig  
 Start Date: 2012.06.16 End Date: 2012.06.16 Last Calib.: 2012.06.19  
 Start Time: 09:16:00 End Time: 16:23:00 Time On Btm: 2012.06.16 @ 10:40:00  
 Time Off Btm: 2012.06.16 @ 14:02:00

**TEST COMMENT:** 1st Open 45 minutes Strong building blow blew bottom bucket 7 minutes  
 1st Shut in 45 minutes No blow back  
 2nd Open 45 minutes Strong building blow buit to bottom bucket in 13 minutes.  
 2nd Shut in 60 minutes No blow back



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1539.81	98.15	Initial Hydro-static
1	47.99	98.04	Open To Flow (1)
47	243.87	99.04	Shut-In(1)
91	476.32	101.04	End Shut-In(1)
92	247.42	101.01	Open To Flow (2)
136	351.17	102.69	Shut-In(2)
201	477.32	104.81	End Shut-In(2)
202	1466.43	105.33	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
91.00	Oil cut mud 5%oil95%mud	0.45
91.00	Mudy w ater 100%	0.66
549.00	Water 100%	7.70

## Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (m³/d)



# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

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

**18-19s-11w**  
**Robl Farms #1**  
 Job Ticket: 17685      **DST#: 3**  
 Test Start: 2012.06.16 @ 09:16:00

## Tool Information

Drill Pipe:	Length: 2989.00 ft	Diameter: 3.80 inches	Volume: 41.93 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: 158.79 ft	Diameter: 2.25 inches	Volume: 0.78 bbl	Weight to Pull Loose: 64000.00 lb
			<u>Total Volume: 42.71 bbl</u>	Tool Chased 3.00 ft
Drill Pipe Above KB:	7.79 ft			String Weight: Initial 41000.00 lb
Depth to Top Packer:	3160.00 ft			Final 42000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	20.00 ft			
Tool Length:	40.00 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			3145.00	
Hydraulic Tool	5.00			3150.00	
Packer	5.00			3155.00	20.00      Bottom Of Top Packer
Packer	5.00			3160.00	
Perforations	15.00			3175.00	
Recorder	1.00	8400	Inside	3176.00	
Recorder	1.00	8500	Outside	3177.00	
Bull Plug	3.00			3180.00	20.00      Bottom Packers & Anchor

**Total Tool Length: 40.00**



# DRILL STEM TEST REPORT

**FLUID SUMMARY**

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**18-19s-11w**  
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 Job Ticket: 17685      **DST#: 3**  
 Test Start: 2012.06.16 @ 09:16:00

## Mud and Cushion Information

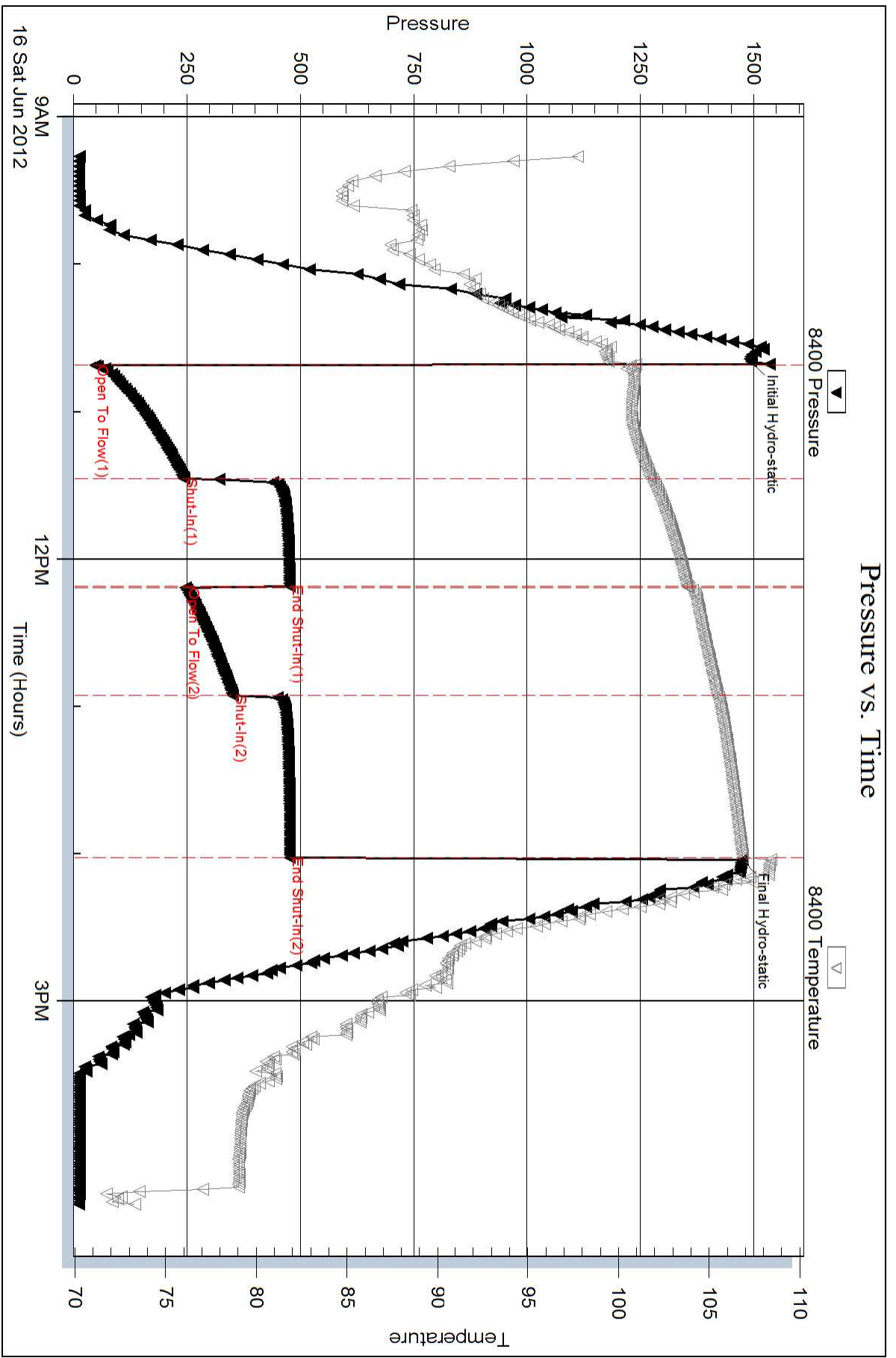
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 43.00 sec/qt	Cushion Volume: bbl		
Water Loss: 14.96 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 10000.00 ppm			
Filter Cake: 1.00 inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
91.00	Oil cut mud 5%oil95%mud	0.448
91.00	Mudy w ater 100%	0.659
549.00	Water 100%	7.701

Total Length: 731.00 ft      Total Volume: 8.808 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments:



### Pressure vs. Time

