



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: 2012.06.18 @ 14:42:00

End Date: 2012.06.18 @ 21:10:30

Job Ticket #: 17686 DST #: 4

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

Printed: 2012.06.20 @ 13:09:45



DRILL STEM TEST REPORT

RJM Company
 Po Box 256 Claflin Kansas 67525
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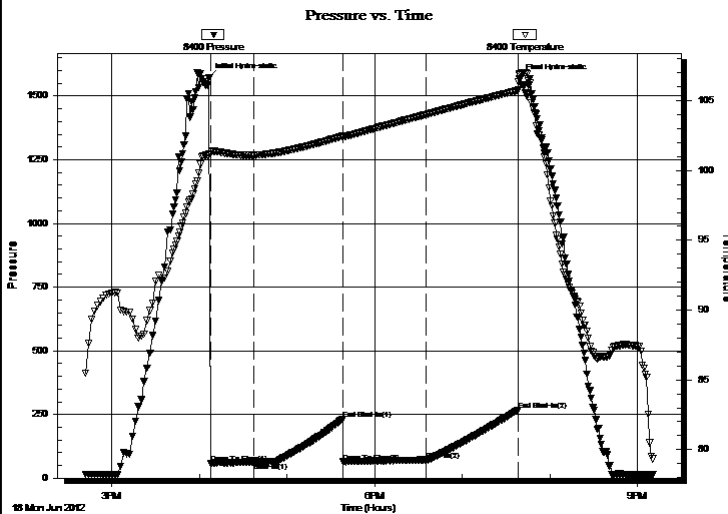
18-19s-11w
Robl Farms #1
 Job Ticket: 17686 **DST#: 4**
 Test Start: 2012.06.18 @ 14:42:00

GENERAL INFORMATION:

Formation: **Lancing J-K**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 16:07:30
 Time Test Ended: 21:10:30
 Interval: **3207.00 ft (KB) To 3276.00 ft (KB) (TVD)**
 Total Depth: 3276.00 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 Outside
 Press @ Run Depth: 70.53 psig @ 3273.25 ft (KB) Capacity: 5000.00 psig
 Start Date: 2012.06.18 End Date: 2012.06.18 Last Calib.: 2012.06.20
 Start Time: 14:42:00 End Time: 21:10:30 Time On Btm: 2012.06.18 @ 16:06:30
 Time Off Btm: 2012.06.18 @ 19:39:00

TEST COMMENT: 1st Open 45 minutes Fair building blow blew 4.5 inches.
 1st Shut in 45 minutes No blow back
 2nd Open 45 minutes Fair building blow reach bottom bucket 43 minutes
 2nd Shut in 60 minutes No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1572.70	101.16	Initial Hydro-static
1	57.10	101.20	Open To Flow (1)
31	62.65	101.10	Shut-In(1)
92	232.32	102.46	End Shut-In(1)
92	63.56	102.40	Open To Flow (2)
149	70.53	104.02	Shut-In(2)
212	267.56	105.72	End Shut-In(2)
213	1567.20	106.84	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	Oil cut mud 1%oil 99%mud	0.05

Gas Rates

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



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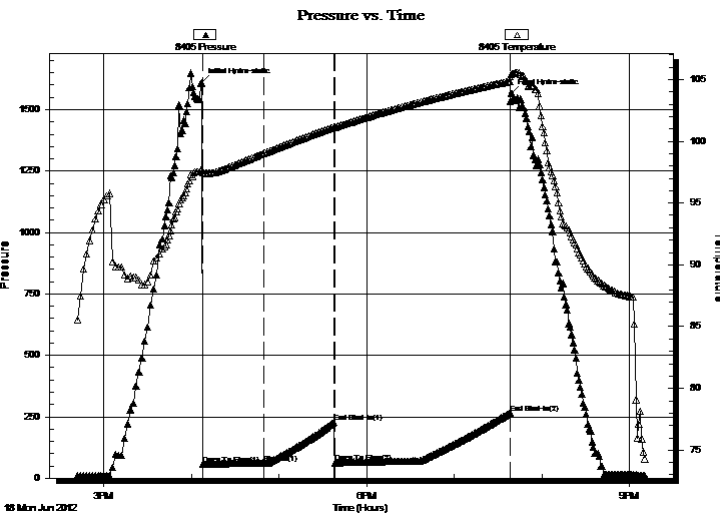
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 1792.00 ft (CF)
 KB to GR/CF: 7.00 ft

Serial #: 8405 Inside
 Press @ Run Depth: 266.17 psig @ 3272.25 ft (KB) Capacity: 5000.00 psig
 Start Date: 2012.06.18 End Date: 2012.06.18 Last Calib.: 2012.06.20
 Start Time: 14:42:00 End Time: 21:10:30 Time On Btm: 2012.06.18 @ 16:07:00
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 1st Shut in 45 minutes No blow back
 2nd Open 45 minutes Fair building blow reach bottom bucket 43 minutes
 2nd Shut in 60 minutes No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1610.15	97.73	Initial Hydro-static
1	55.43	97.44	Open To Flow (1)
43	62.14	99.02	Shut-In(1)
91	228.40	101.15	End Shut-In(1)
92	62.42	101.15	Open To Flow (2)
211	266.17	104.85	End Shut-In(2)
212	1565.35	105.39	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	Oil cut mud 1%oil 99%mud	0.05

Gas Rates

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



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TOOL DIAGRAM

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

18-19s-11w
Robl Farms #1
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 Test Start: 2012.06.18 @ 14:42:00

Tool Information

Drill Pipe:	Length: 3088.00 ft	Diameter: 3.80 inches	Volume: 43.32 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: 118.79 ft	Diameter: 2.25 inches	Volume: 0.58 bbl	Weight to Pull Loose:	53000.00 lb
			<u>Total Volume: 43.90 bbl</u>	Tool Chased	2.00 ft
Drill Pipe Above KB:	19.79 ft			String Weight: Initial	44000.00 lb
Depth to Top Packer:	3207.00 ft			Final	44000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	69.25 ft				
Tool Length:	89.25 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			3192.00	
Hydraulic Tool	5.00			3197.00	
Packer	5.00			3202.00	20.00 Bottom Of Top Packer
Packer	5.00			3207.00	
Anchor	10.00			3217.00	
Change Over Sub	0.75			3217.75	
Drill Pipe	31.75			3249.50	
Change Over Sub	0.75			3250.25	
Anchor	21.00			3271.25	
Recorder	1.00	8405	Inside	3272.25	
Recorder	1.00	8400	Outside	3273.25	
Bull Plug	3.00			3276.25	69.25 Bottom Packers & Anchor

Total Tool Length: 89.25



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FLUID SUMMARY

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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: bbl		
Water Loss: 10.39 in ³	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
10.00	Oil cut mud 1%oil 99%mud	0.049

Total Length: 10.00 ft Total Volume: 0.049 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

