



DRILL STEM TEST REPORT

Prepared For: **RJM Coampany**

Po Box 256 Claflin Kansas
67525

ATTN: Kurt

Prosser #1

31-15s-13w

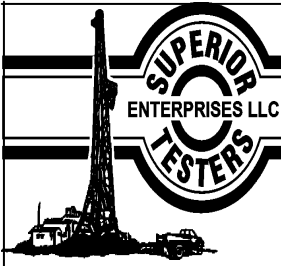
Start Date: 2013.02.15 @ 04:50:00

End Date: 2013.02.15 @ 09:22:00

Job Ticket #: 17419 DST #: 2

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

Printed: 2013.02.15 @ 21:33:42



DRILL STEM TEST REPORT

RJM Coampany
 Po Box 256 Claflin Kansas
 67525
 ATTN: Kurt

31-15s-13w
Prosser #1
 Job Ticket: 17419 **DST#:2**
 Test Start: 2013.02.15 @ 04:50:00

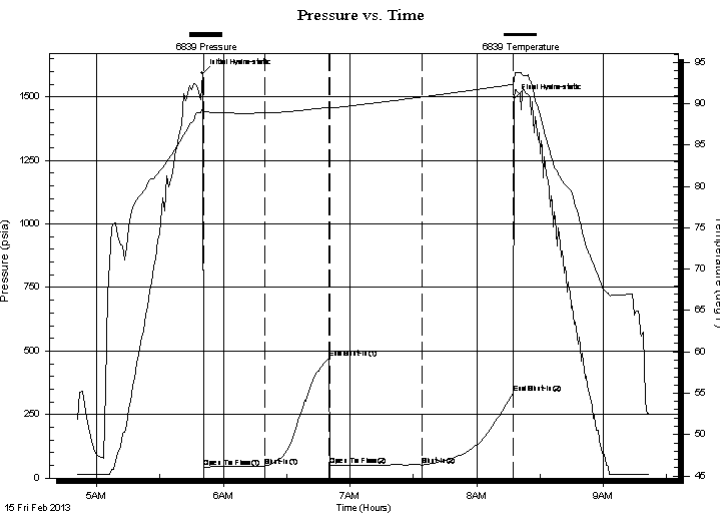
GENERAL INFORMATION:

Formation: **Lansing G**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 05:50:30
 Time Test Ended: 09:22:00
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Dustin Ellis
 Unit No: 3315-Great Bend-60
 Interval: **3141.00 ft (KB) To 3178.00 ft (KB) (TVD)**
 Total Depth: 3178.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Reference Elevations: 1909.00 ft (KB)
 1902.00 ft (CF)
 KB to GR/CF: 7.00 ft

Serial #: 6839 Outside

Press@RunDepth: 51.14 psia @ 3175.00 ft (KB) Capacity: 5000.00 psia
 Start Date: 2013.02.15 End Date: 2013.02.15 Last Calib.: 2013.02.15
 Start Time: 04:50:00 End Time: 09:22:00 Time On Btm: 2013.02.15 @ 05:50:00
 Time Off Btm: 2013.02.15 @ 08:18:00

TEST COMMENT: 1st Open 30 minutes Weak building blow built to 1.5 inches into a 5 gallon bucket of water.
 1st Shut in 30 minutes No blow back
 2nd Open 45 minutes Weak building blow built to 1 inch.
 2nd Shut in 45 minutes No blow back



PRESSURE SUMMARY

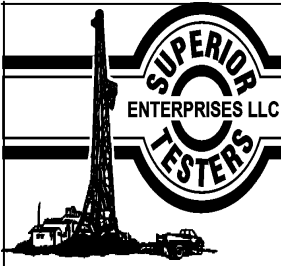
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1592.92	89.50	Initial Hydro-static
1	43.94	89.09	Open To Flow (1)
30	47.28	88.90	Shut-In(1)
60	471.31	89.58	End Shut-In(1)
61	50.29	89.50	Open To Flow (2)
104	51.14	90.83	Shut-In(2)
148	332.70	92.36	End Shut-In(2)
148	1493.31	92.99	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	Oil spotted mud 3%oil 97%mud	0.42

Gas Rates

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



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 Po Box 256 Claflin Kansas
 67525
 ATTN: Kurt

31-15s-13w
Prosser #1
 Job Ticket: 17419 **DST#:2**
 Test Start: 2013.02.15 @ 04:50:00

GENERAL INFORMATION:

Formation: **Lansing G**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 05:50:30
 Time Test Ended: 09:22:00

Test Type: Conventional Bottom Hole (Initial)
 Tester: Dustin Ellis
 Unit No: 3315-Great Bend-60

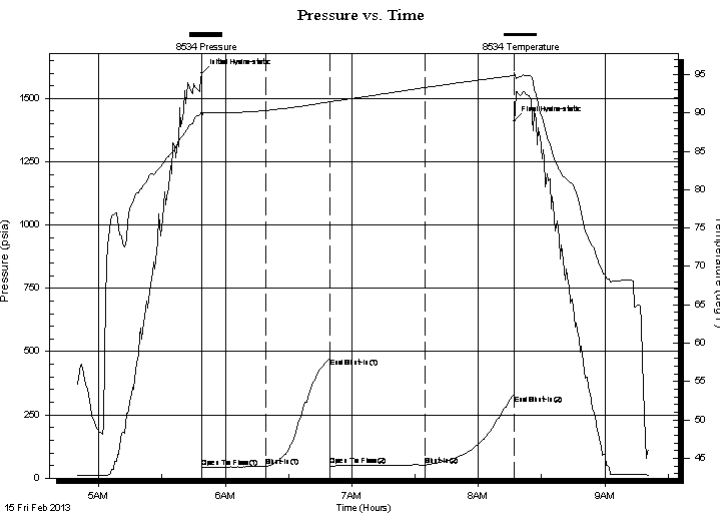
Interval: 3141.00 ft (KB) To 3178.00 ft (KB) (TVD)
 Total Depth: 3178.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1909.00 ft (KB)
 1902.00 ft (CF)
 KB to GR/CF: 7.00 ft

Serial #: 8534

Press@RunDepth: 292.51 psia @ ft (KB) Capacity: 5000.00 psia
 Start Date: 2013.02.15 End Date: 2013.02.15 Last Calib.: 2013.02.15
 Start Time: 04:50:00 End Time: 09:21:41 Time On Btm: 2013.02.15 @ 05:48:58
 Time Off Btm: 2013.02.15 @ 08:17:10

TEST COMMENT: 1st Open 30 minutes Weak building blow built to 1.5 inches into a 5 gallon bucket of water.
 1st Shut in 30 minutes No blow back
 2nd Open 45 minutes Weak building blow built to 1 inch.
 2nd Shut in 45 minutes No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1599.86	90.16	Initial Hydro-static
1	44.52	89.43	Open To Flow (1)
30	45.68	90.30	Shut-In(1)
61	438.04	91.45	End Shut-In(1)
61	50.61	91.41	Open To Flow (2)
106	51.04	93.29	Shut-In(2)
149	292.51	94.86	End Shut-In(2)
149	1411.81	95.27	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	Oil spotted mud 3%oil 97%mud	0.42

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

RJM Coampany

31-15s-13w

Po Box 256 Claflin Kansas
67525

Prosser #1

Job Ticket: 17419

DST#:2

ATTN: Kurt

Test Start: 2013.02.15 @ 04:50:00

Tool Information

Drill Pipe:	Length: 3131.00 ft	Diameter: 3.80 inches	Volume: 43.92 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:	30000.00 lb
			<u>Total Volume: 43.92 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial	30000.00 lb
Depth to Top Packer:	3141.00 ft			Final	30000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	37.00 ft				
Tool Length:	57.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut-In Tool	5.00			3126.00	
Hydraulic Tool	5.00			3131.00	
Packer	5.00			3136.00	20.00 Bottom Of Top Packer
Packer	5.00			3141.00	
Anchor	32.00			3173.00	
Recorder	1.00	8524	Inside	3174.00	
Recorder	1.00	6839	Outside	3175.00	
Bullnose	3.00			3178.00	37.00 Bottom Packers & Anchor

Total Tool Length: 57.00



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FLUID SUMMARY

RJM Coampany

31-15s-13w

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67525

Prosser #1

Job Ticket: 17419

DST#:2

ATTN: Kurt

Test Start: 2013.02.15 @ 04:50:00

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: 52.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.00 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psia

Salinity: 2500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	Oil spotted mud 3%oil 97%mud	0.421

Total Length: 30.00 ft Total Volume: 0.421 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

