

DRILL STEM TEST REPORT

Prepared For: **RJM Company**

PO Box 256
Clafin, Kansas 67525+0256

ATTN: Kurt Talbot

Feist #1

31/15S/12W/Russell

Start Date: 2013.04.12 @ 12:42:00

End Date: 2013.04.12 @ 18:42:00

Job Ticket #: 17481 DST #: 1

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

Printed: 2013.04.12 @ 19:15:48



DRILL STEM TEST REPORT

TOOL DIAGRAM

RJM Company

31/15S/12W/Russell

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Test Start: 2013.04.12 @ 12:42:00

Tool Information

Drill Pipe:	Length: 3070.00 ft	Diameter: 3.80 inches	Volume: 43.06 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: 50000.00 lb
			<u>Total Volume: 43.06 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial 29000.00 lb
Depth to Top Packer:	3075.00 ft			Final 31000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	95.14 ft			
Tool Length:	115.14 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			3060.00	
Hydraulic Tool	5.00			3065.00	
Packer	5.00			3070.00	20.00 Bottom Of Top Packer
Packer	5.00			3075.00	
Perforations	6.00			3081.00	
Change Over Sub	0.75			3081.75	
Drill Pipe	62.64			3144.39	
Change Over Sub	0.75			3145.14	
Anchor	20.00			3165.14	
Recorder	1.00	6749	Inside	3166.14	
Recorder	1.00	6838	Outside	3167.14	
Bullnose	3.00			3170.14	95.14 Bottom Packers & Anchor

Total Tool Length: 115.14



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FLUID SUMMARY

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Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 56.00 sec/qt
Water Loss: 8.00 in³
Resistivity: ohm.m
Salinity: 8000.00 ppm
Filter Cake: 1.00 inches

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

Oil API: deg API
Water Salinity: ppm

Recovery Information

Recovery Table

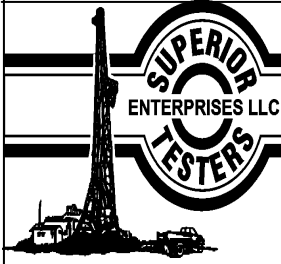
Length ft	Description	Volume bbl
150.00	Muddy Gassy Oil	2.104
0.00	Mud 20% Gas 40% Oil 40%	0.000
240.00	Water cut Gassy Emulsified Oil	3.367
0.00	Water 15% Gas 25% Emulsified Oil 60%	0.000
60.00	Oil cut Muddy Water	0.842
0.00	Oil 5% Mud 15% Water 80%	0.000
60.00	Oily Mud	0.842
0.00	Oil 30% Mud 70%	0.000
0.00	Recov. Chlorides 48,000 ppm	0.000

Total Length: 510.00 ft Total Volume: 7.155 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:



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GAS RATES

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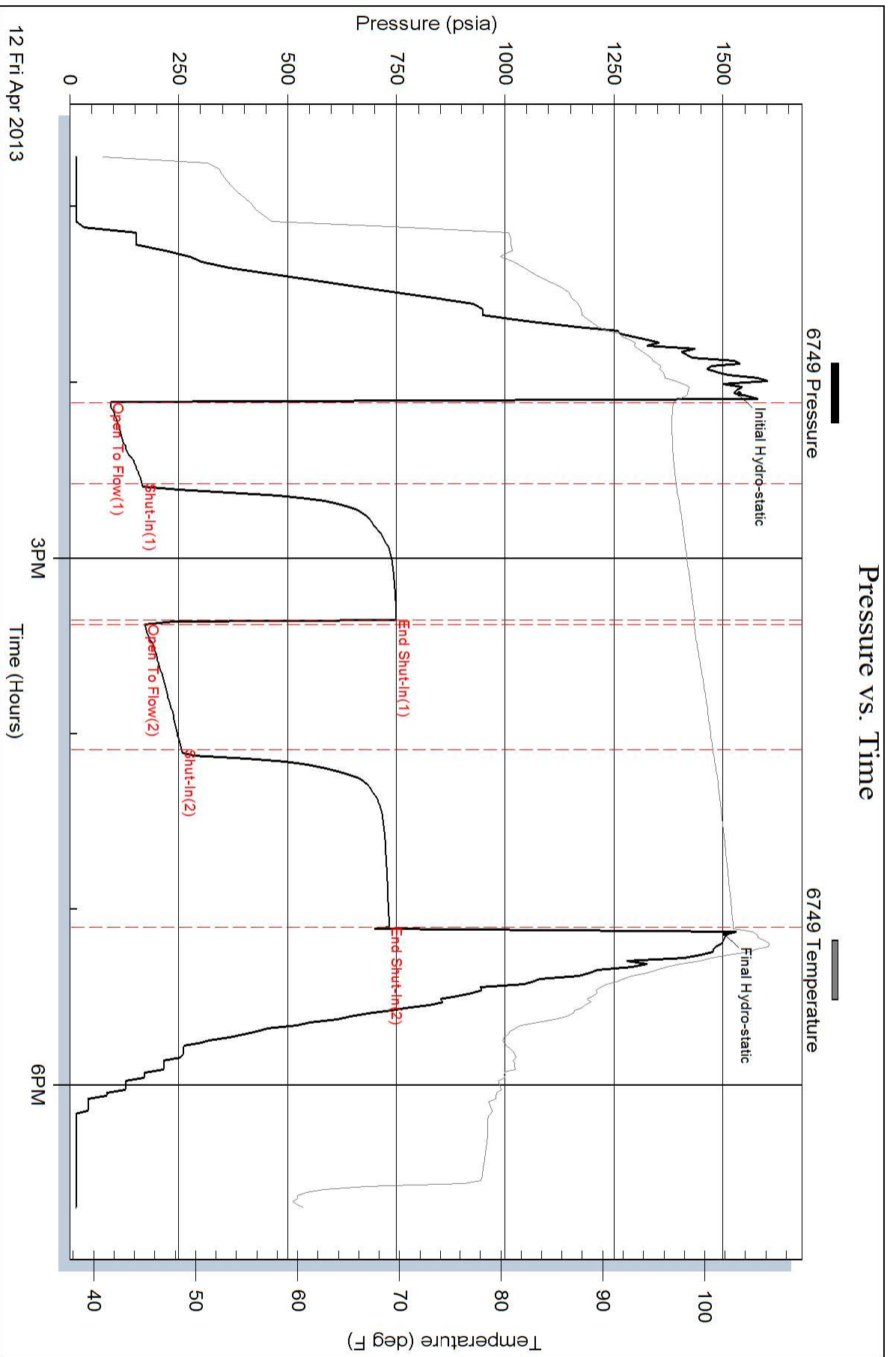
Gas Rates Information

Temperature: 59 (deg F)
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)
2	10	0.13	5.65	2.11
2	20	0.13	4.90	1.83
2	30	0.13	4.02	1.50
2	40	0.13	3.15	1.18
2	40	0.13	3.15	1.18

Pressure vs. Time



Pressure vs. Time

