

DRILL STEM TEST REPORT

Prepared For: **N-10 Exploration LLC**

124 N Main
PO Box 195
Attica, Kansas 67009

ATTN: Tim Pierce

Medicine RiverRan D5

10/34S/11W/Barber

Start Date: 2012.05.01 @ 04:45:00

End Date: 2012.05.01 @ 12:15:30

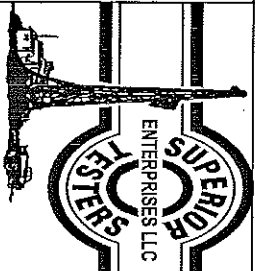
Job Ticket #: 17637 DST #: 1

Superior Testers Enterprises LLC

PO Box 138 Great Bend KS 67530

1-800-792-6902

Printed: 2012.05.01 @ 13:08:54



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GENERAL INFORMATION:

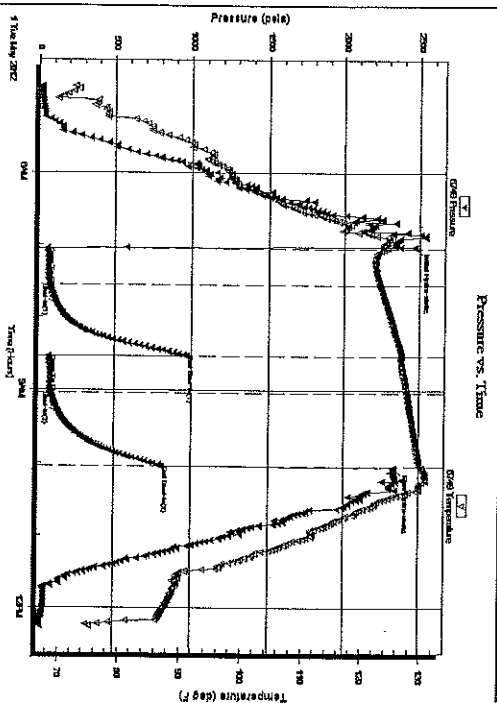
Formation: **Melsner**
 Deviated: **No** Whipstock: **ft (KB)**
 Time Tool Opened: 07:03:00
 Time Test Ended: 12:15:30
 Interval: **4839.00 ft (KB) To 4891.00 ft (KB) (TV D)**
 Total Depth: **4891.00 ft (KB) (TV D)**
 Hole Diameter: **7.88** inches-Hole Condition: **Fair**

Test Type: **Conventional Bottom Hole (Initial)**
 Tester: **Ken Swinney**
 Unit No: **3325 Pratt/96**
 Reference Elevations: **1354.00 ft (KB)**
1344.00 ft (CF)
10.00 ft
 KB to GRCE:

Serial #: 6749 **Inside**
 Press@RunDepth: **75.98 psia @ 4887.12 ft (KB)**
 Start Date: **2012.05.01** End Date: **2012.05.01**
 Start Time: **04:46:00** End Time: **12:15:30**

Capacity: **5000.00 psia**
 Last Calib.: **2012.05.01**
 Time On Btm: **2012.05.01 @ 07:02:00**
 Time Off Btm: **2012.05.01 @ 10:03:30**

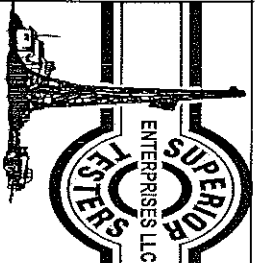
TEST COMMENT: 1ST Open 30 Minutes/Weak blow/Blow built to 3 inches in bucket of water
 1ST Shut In 60 Minutes/No blow back
 2ND Open 30 Minutes/Weak blow/Blow built to 1 1/4 inch in bucket of water
 2ND Shut In 60 Minutes/No blow back



PRESSURE SUMMARY				
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation	
0	2468.38	124.41	Initial Hydro-static	
1	54.87	124.06	Open To Flow (1)	
32	68.90	123.14	Shut-In(1)	
90	962.93	126.89	End Shut-In(1)	
91	68.31	126.60	Open To Flow(2)	
120	75.98	127.69	Shut-In(2)	
181	805.43	129.83	End Shut-In(2)	
182	2335.64	130.23	Final Hydro-static	

Recovery		
Length (ft)	Description	Volume (bb)
0.00	90 feet gas in pipe	0.00
30.00	Mud with show of oil in tool/ Mud 100%	0.15

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



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TOOL DIAGRAM

N-10 Exploration LLC

10/34S/11W/Barber

124 N Main

Medicine RiverRan D5

PO Box 195

Job Ticket: 17637

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DST#:1

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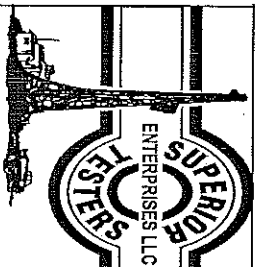
Test Start: 2012.05.01 @ 04:45:00

Tool Information

Drill Pipe:	Length: 4603.00 ft	Diameter: 3.88 inches	Volume: 67.32 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: 240.00 ft	Diameter: 2.25 inches	Volume: 1.18 bbl	Weight to Pull Loose: 120000.0 lb
			Total Volume: 68.50 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	24.00 ft			String Weight: Initial 80000.00 lb
Depth to Top Packer:	4839.00 ft			Final 80000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	52.12 ft			
Tool Length:	72.12 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			4824.00	
Hydraulic Tool	5.00			4829.00	
Packer	5.00			4834.00	20.00
Packer	5.00			4839.00	Bottom Of Top Packer
Change Over Sub	0.65			4839.65	
Drill Pipe	31.82			4871.47	
Change Over Sub	0.65			4872.12	
Anchor	14.00			4886.12	
Recorder	1.00	6749	Inside	4887.12	
Recorder	1.00	6651	Outside	4888.12	
Bullnose	3.00			4891.12	52.12
Total Tool Length:					Bottom Packers & Anchor
					72.12



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FLUID SUMMARY

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Mud and Cushion Information

Mud Type:	Gal Chem	Cushion Type:		Oil API:	
Mud Weight:	10.00 lb/gal	Cushion Length:		Water Salinity:	deg API
Viscosity:	46.00 sec/qt	Cushion Volume:			bbl
Water Loss:	10.78 in ³	Gas Cushion Type:			psia
Resistivity:	ohm.m	Gas Cushion Pressure:			
Salinity:	4200.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	90 feet gas in pipe	0.000
30.00	Mud with show of oil in tool/ Mud 100%	0.148

Total Length: 30.00 ft Total Volume: 0.148 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

