

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

N-10 Exploration LLC

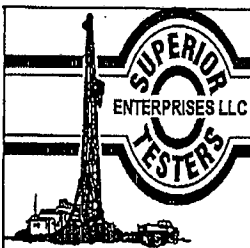
10/34S/11W/Barber

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DST # 1

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2012.05.01



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DST#: 1

Test Start: 2012.05.01 @ 04:45:00

GENERAL INFORMATION:

Formation: Meisner

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:03:00

Time Test Ended: 12:15:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Ken Swinney

Unit No: 3325 Pratt/96

Interval: 4839.00 ft (KB) To 4891.00 ft (KB) (TVD)

Total Depth: 4891.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1354.00 ft (KB)

1344.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 6749

Inside

Press@RunDepth: 75.98 psia @ 4887.12 ft (KB)

Start Date: 2012.05.01

End Date:

2012.05.01

Capacity: 5000.00 psia

Last Calib.: 2012.05.01

Start Time: 04:46:00

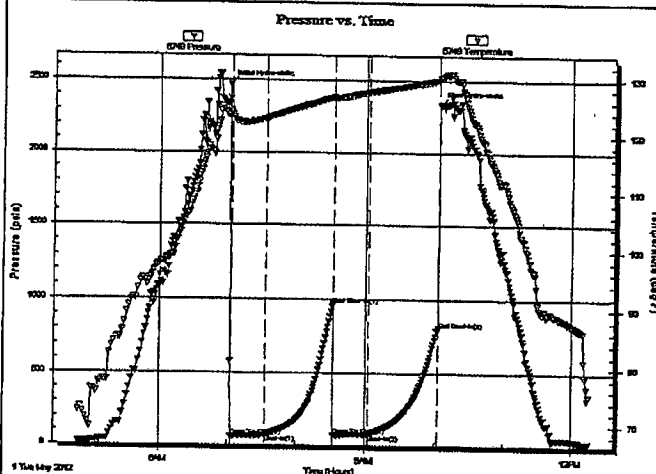
End Time:

12:15:30

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

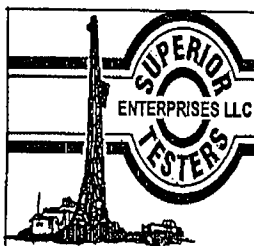
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	2468.38	124.41	Initial Hydro-static
1	54.87	124.06	Open To Flow (1)
32	68.90	123.14	Shut-In(1)
90	962.93	126.89	End Shut-In(1)
91	68.31	126.60	Open To Flow (2)
120	75.98	127.69	Shut-In(2)
181	805.43	129.83	End Shut-In(2)
182	2335.64	130.23	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
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

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DST#: 1

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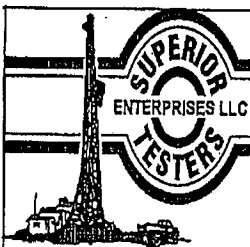
Tool Information

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

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4824.00	
Hydrolic 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
					Bottom Packers & Anchor
Total Tool Length:	72.12				



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FLUID SUMMARY

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Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 10.00 lb/gal

Viscosity: 46.00 sec/qt

Water Loss: 10.78 in³

Resistivity: ohm.m

Salinity: 4200.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

Oil API:

Water Salinity:

deg API

ppm

ft

bbl

psia

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:

Serial #: 6749

Inside

N-10 Exploration LLC

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DST Test Number: 1

