



DRILL STEM TEST REPORT

Prepared For: **John O Farmer Inc**

PO Box 352
Russell KS 67665

ATTN: Tony Richardson

11 9 22 Graham KS

Van Loenen #1

Start Date: 2007.06.23 @ 06:19:25

End Date: 2007.06.23 @ 13:25:40

Job Ticket #: 28346 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620



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11 9 22 Graham KS

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DST#: 1

Test Start: 2007.06.23 @ 06:19:25

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:16:40

Time Test Ended: 13:25:40

Test Type: Conventional Straddle

Tester: Tyson Flax

Unit No: 21

Interval: **3823.00 ft (KB) To 3854.00 ft (KB) (TVD)**

Total Depth: 3895.00 ft (KB) (TVD)

Hole Diameter: 7.66 inches Hole Condition: Good

Reference Elevations: 2240.00 ft (KB)

2235.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8320

Inside

Press@RunDepth: 890.76 psig @ 3829.00 ft (KB)

Start Date: 2007.06.23

End Date:

2007.06.23

Start Time: 06:19:27

End Time:

13:25:40

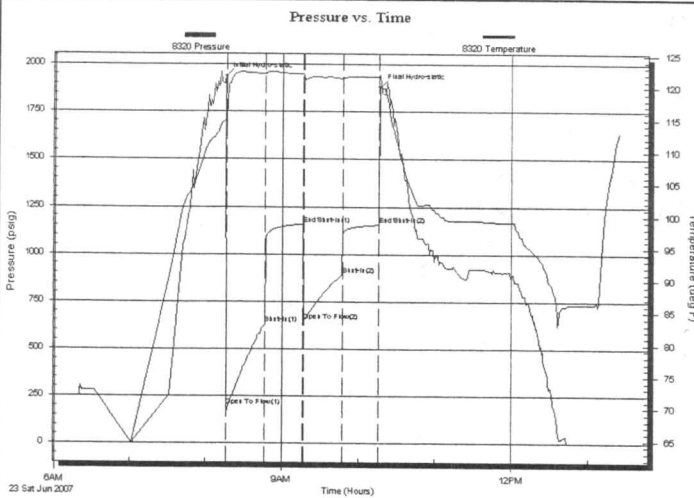
Capacity: 7000.00 psig

Last Calib.: 2007.06.23

Time On Btm: 2007.06.23 @ 08:16:10

Time Off Btm: 2007.06.23 @ 10:16:10

TEST COMMENT: IFP BOB in 1 min
ISI Weak surface blow back throughout
FFP BOB in 1 min
FSI Weak surface blow back throughout



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1936.86	114.84	Initial Hydro-static
1	196.63	115.22	Open To Flow (1)
31	630.89	122.10	Shut-In(1)
60	1158.14	122.11	End Shut-In(1)
61	649.19	121.98	Open To Flow (2)
91	890.76	121.45	Shut-In(2)
120	1154.36	121.76	End Shut-In(2)
120	1880.17	121.95	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1870.00	CO	25.42

Gas Rates

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



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TOOL DIAGRAM

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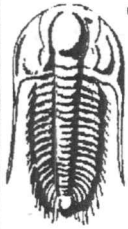
Tool Information

Drill Pipe:	Length: 3701.00 ft	Diameter: 3.82 inches	Volume: 52.46 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 118.00 ft	Diameter: 2.25 inches	Volume: 0.58 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 53.04 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	17.00 ft			String Weight: Initial 45000.00 lb
Depth to Top Packer:	3823.00 ft			Final 54000.00 lb
Depth to Bottom Packer:	3854.00 ft			
Interval between Packers:	31.00 ft			
Tool Length:	94.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3803.00	
Shut In Tool	5.00			3808.00	
Hydraulic tool	5.00			3813.00	
Packer	5.00			3818.00	21.00 Bottom Of Top Packer
Packer	5.00			3823.00	
Stubb	1.00			3824.00	
Perforations	5.00			3829.00	
Recorder	0.00	8320	Inside	3829.00	
Perforations	21.00			3850.00	
Recorder	0.00	3351	Inside	3850.00	
Blank Off Sub	1.00			3851.00	
Stubb	3.00			3854.00	31.00 Tool Interval
Packer	1.00			3855.00	
Stubb	1.00			3856.00	
Perforations	5.00			3861.00	
Blank Spacing	32.00			3893.00	
Recorder	0.00	13401	Outside	3893.00	
Bullnose	3.00			3896.00	42.00 Bottom Packers & Anchor

Total Tool Length: 94.00



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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: 54.00 sec/qt

Water Loss: 8.79 in³

Resistivity: ohm.m

Salinity: 2000.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

20 deg API

Water Salinity: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1870.00	CO	25.416

Total Length: 1870.00 ft Total Volume: 25.416 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

