



DRILL STEM TEST REPORT

Prepared For: **F.G.Holl Company L.L.C.**

9431 East Central Suite 100
Wichita, Kansas 67206-2563

ATTN: Ryan Greenbaum

mAUNEY #1-6

6-21S-15W bARTON

Start Date: 2012.10.18 @ 00:00:00

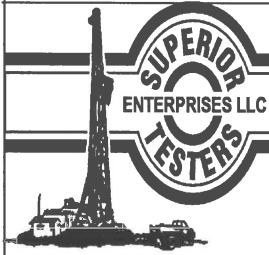
End Date: 2012.10.18 @ 00:00:00

Job Ticket #: 16887 DST #: 4

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

Printed: 2012.10.24 @ 14:54:43

F.G.Holl Company L.L.C. 6-21S-15W bARTON mAUNEY #1-6 DST # 4 Arbuckle 2012.10.18



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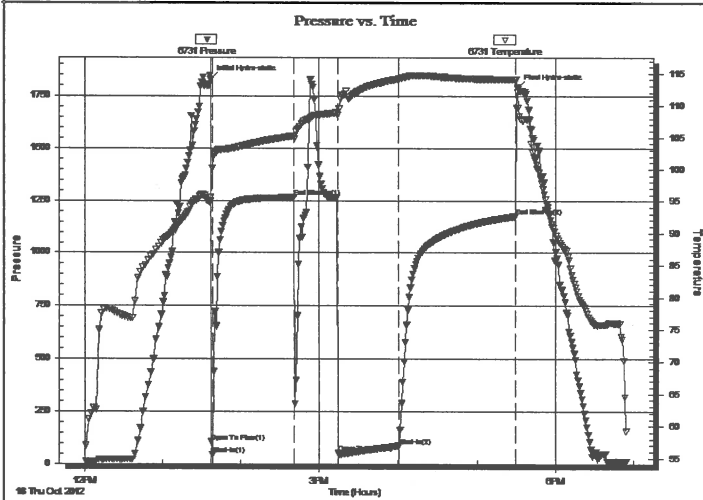
6-21S-15W bARTON
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GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 00:00:00
 Time Test Ended: 00:00:00
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Gene Budig
 Unit No: 3320
 Interval: **3776.00 ft (KB) To 3786.00 ft (KB) (TVD)**
 Total Depth: 3786.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Reference Elevations: 1966.00 ft (KB)
 1958.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 6731 Inside
 Press@RunDepth: 1174.44 psia @ 3782.00 ft (KB) Capacity: 5000.00 psia
 Start Date: 2012.10.18 End Date: 2012.10.18 Last Calib.: 2012.10.18
 Start Time: 12:01:00 End Time: 18:54:30 Time On Btm: 2012.10.18 @ 13:37:00
 Time Off Btm: 2012.10.18 @ 17:31:00

TEST COMMENT: 1st Opening 2 Minutes-Strong Blow built to the bottom of a 5 gallon bucket in 15 seconds
 1st Shut-In 60 Minutes-No blow back
 2nd Opening 80 Minutes-Strong blow gas to surface in 20 minutes
 2nd Shut-In 90 Minutes-No blow



PRESSURE SUMMARY

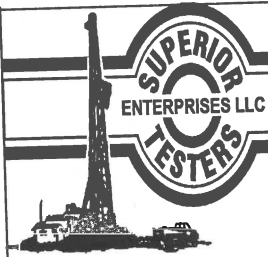
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1825.33	94.99	Initial Hydro-static
1	106.30	95.59	Open To Flow (1)
2	43.98	100.14	Shut-In(1)
64	1265.23	105.25	End Shut-In(1)
98	52.28	108.48	Open To Flow (2)
144	87.80	114.17	Shut-In(2)
233	1174.44	114.03	End Shut-In(2)
234	1788.11	112.08	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	5% Gas 45%Oil 35%Mud 15%w ater	1.68
20.00	Water	0.28

Gas Rates

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



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TOOL DIAGRAM

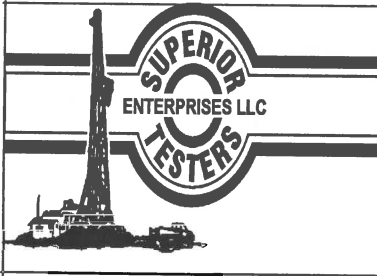
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Tool Information

Drill Pipe:	Length: 3760.00 ft	Diameter: 3.80 inches	Volume: 52.74 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: 54000.00 lb
			<u>Total Volume: 52.74 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	12.00 ft			String Weight: Initial 40000.00 lb
Depth to Top Packer:	3776.00 ft			Final 40000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	10.00 ft			
Tool Length:	38.00 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			3753.00	
Hydraulic Tool	5.00			3758.00	
Jars	6.00			3764.00	
Safety Joint	2.00			3766.00	
Packer	5.00			3771.00	28.00 Bottom Of Top Packer
Packer	5.00			3776.00	
Perforations	5.00			3781.00	
Recorder	1.00	6731	Inside	3782.00	
Recorder	1.00	8159	Outside	3783.00	
Bullnose	3.00			3786.00	10.00 Bottom Packers & Anchor
Total Tool Length:	38.00				



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FLUID SUMMARY

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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: 43.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.18 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psia		
Salinity: 5600.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	5% Gas 45%Oil 35%Mud 15%w ater	1.683
20.00	Water	0.281

Total Length: 140.00 ft Total Volume: 1.964 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

