



DRILL STEM TEST REPORT

Prepared For: **F G Holl Company**

9431 East Central Suite#100
Wichita, Kansas 67206+2563

ATTN: Ryan Greenbaum

Reece " A " #1-1

1/23S/22W Hodgeman Co.

Start Date: 2011.12.15 @ 04:49:00

End Date: 2011.12.16 @ 13:13:30

Job Ticket #: 18858 DST #: 1

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

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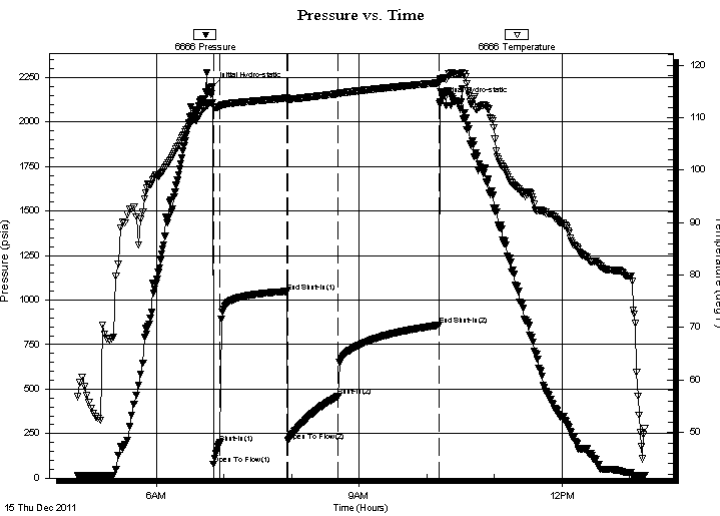
1/23S/22W Hodgeman Co.
Reece " A " #1-1
 Job Ticket: 18858 **DST#: 1**
 Test Start: 2011.12.15 @ 04:49:00

GENERAL INFORMATION:

Formation: **Marmaton**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 06:50:30 Tester: Dylan E Ellis
 Time Test Ended: 13:13:30 Unit No: 3335/Great Bend/124
 Interval: **4380.00 ft (KB) To 4330.00 ft (KB) (TVD)** Reference Elevations: 2311.00 ft (KB)
 Total Depth: 4380.00 ft (KB) (TVD) 2300.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 11.00 ft

Serial #: 6666 Outside
 Press @ RunDepth: 461.57 psia @ 4376.88 ft (KB) Capacity: 5000.00 psia
 Start Date: 2011.12.15 End Date: 2011.12.16 Last Calib.: 2011.12.16
 Start Time: 04:49:00 End Time: 13:13:30 Time On Btm: 2011.12.15 @ 06:49:30
 Time Off Btm: 2011.12.15 @ 10:12:00

TEST COMMENT: 1ST Opening 5 Minutes fair building blow/blow blew to bottom of bucket in 5 minutes
 1ST Shut-In 60 Minutes yes blow back
 2ND Opening 45 Minutes fair building blow/blow blew to bottom of bucket in 7 minutes
 2ND Shut-In 90 Minutes yes blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	2199.60	112.87	Initial Hydro-static
1	76.14	112.13	Open To Flow (1)
7	198.37	112.13	Shut-In(1)
66	1048.62	113.77	End Shut-In(1)
67	209.89	113.56	Open To Flow (2)
112	461.57	114.60	Shut-In(2)
202	859.64	116.68	End Shut-In(2)
203	2115.32	117.33	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
945.00	Lightly Gassy Salt Water	10.39
0.00	Gas-5% Water-95%	0.00
0.00	Chlorides were 79,000	0.00
0.00	Resistivity was .18 @ 78 degrees	0.00

Gas Rates

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



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TOOL DIAGRAM

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DST#: 1

ATTN: Ryan Greenbaum

Test Start: 2011.12.15 @ 04:49:00

Tool Information

Drill Pipe:	Length: 4010.00 ft	Diameter: 3.80 inches	Volume: 56.25 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: 314.42 ft	Diameter: 2.25 inches	Volume: 1.55 bbl	Weight to Pull Loose: 32000.00 lb
			<u>Total Volume: 57.80 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	14.42 ft			String Weight: Initial 76000.00 lb
Depth to Top Packer:	4330.00 ft			Final 79000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	49.88 ft			
Tool Length:	69.88 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			4315.00	
Hydraulic Tool	5.00			4320.00	
Top Packer	5.00			4325.00	
Packer	5.00			4330.00	20.00 Bottom Of Top Packer
Perforations	6.00			4336.00	
Change Over Sub	0.75			4336.75	
Drill Pipe	31.38			4368.13	
Change Over Sub	0.75			4368.88	
Anchor	6.00			4374.88	
Recorder	1.00	6731	Inside	4375.88	
Recorder	1.00	6666	Outside	4376.88	
Bull Plug	3.00			4379.88	49.88 Anchor Tool

Total Tool Length: 69.88



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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: 58.00 sec/qt
Water Loss: 7.60 in³
Resistivity: ohm.m
Salinity: 7600.00 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
945.00	Lightly Gassy Salt Water	10.392
0.00	Gas-5% Water-95%	0.000
0.00	Chlorides were 79,000	0.000
0.00	Resistivity was .18 @ 78 degrees	0.000

Total Length: 945.00 ft Total Volume: 10.392 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

