



DRILL STEM TEST REPORT

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

8431 East Central Suite#100
Wichita, Kansas 67206+2563

ATTN: Ryan Greenbaum

32/20S/15W Barton

C.J.M.Inc.Unit#1-32

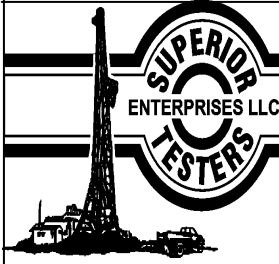
Start Date: 2011.07.19 @ 11:28:00

End Date: 2011.07.19 @ 17:12:30

Job Ticket #: 16558 DST #: 1

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

Printed: 2011.07.19 @ 17:33:14



DRILL STEM TEST REPORT

F.G. Holl Company
 8431 East Central Suite#100
 Wichita, Kansas 67206+2563
 ATTN: Ryan Greenbaum

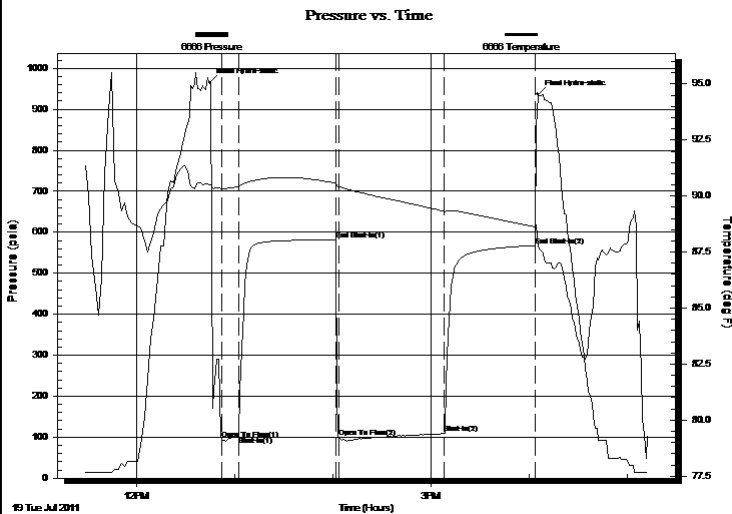
C.J.M.Inc.Unit#1-32
32/20S/15W Barton
 Job Ticket: 16558 **DST#: 1**
 Test Start: 2011.07.19 @ 11:28:00

GENERAL INFORMATION:

Formation: **Herrington**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 12:52:00 Tester: Dylan E Ellis
 Time Test Ended: 17:12:30 Unit No: 3345/Great Bend/40
 Interval: **1885.00 ft (KB) To 1975.00 ft (KB) (TVD)** Reference Elevations: 2000.00 ft (KB)
 Total Depth: 1975.00 ft (KB) (TVD) 1992.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 8.00 ft

Serial #: 6666 Outside
 Press @ Run Depth: 109.03 psia @ 1971.30 ft (KB) Capacity: 5000.00 psia
 Start Date: 2011.07.19 End Date: 2011.07.19 Last Calib.: 2011.07.19
 Start Time: 11:28:00 End Time: 17:12:30 Time On Btm: 2011.07.19 @ 12:45:00
 Time Off Btm: 2011.07.19 @ 16:05:30

TEST COMMENT: 1ST Opening 15 Minutes fair steady building blow/blow blew bottom of bucket in 4 minutes
 1ST Shut-In 60 Minutes yes
 2ND Opening 60 Minutes bottom of bucket instantly/gas to surface in 1 minute
 2ND Shut-In 60 Minutes yes



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	964.64	90.50	Initial Hydro-static
7	95.24	90.32	Open To Flow (1)
18	102.57	90.41	Shut-In(1)
77	582.01	90.57	End Shut-In(1)
79	99.56	90.41	Open To Flow (2)
143	109.03	89.31	Shut-In(2)
199	567.61	88.62	End Shut-In(2)
201	936.87	87.80	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
100.00	Mud (very thin looking) 100% Mud	1.40

Gas Rates

	Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)
First Gas Rate	0.75	4.00	62.48
Last Gas Rate	0.75	6.50	101.53
Max. Gas Rate	0.75	6.50	101.53



DRILL STEM TEST REPORT

TOOL DIAGRAM

F.G. Holl Company
 8431 East Central Suite#100
 Wichita, Kansas 67206+2563
 ATTN: Ryan Greenbaum

C.J.M.Inc.Unit#1-32
32/20S/15W Barton
 Job Ticket: 16558 **DST#: 1**
 Test Start: 2011.07.19 @ 11:28:00

Tool Information

Drill Pipe:	Length: 1887.00 ft	Diameter: 3.80 inches	Volume: 26.47 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: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 20000.00 lb
			<u>Total Volume: 26.47 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 24000.00 lb
Depth to Top Packer:	1885.00 ft			Final 24000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	89.30 ft			
Tool Length:	117.30 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			1862.00	
Hydraulic Tool	5.00			1867.00	
Jars	6.00			1873.00	
Safety Joint	2.00			1875.00	
Packer	5.00			1880.00	28.00 Bottom Of Top Packer
Packer	5.00			1885.00	
Perforations	5.00			1890.00	
Change Over Sub	0.75			1890.75	
Drill Pipe	62.80			1953.55	
Change Over Sub	0.75			1954.30	
Perforations	15.00			1969.30	
Recorder	1.00	6651	Inside	1970.30	
Recorder	1.00	6666	Outside	1971.30	
Bull Plug	3.00			1974.30	89.30 Bottom Packers & Anchor

Total Tool Length: 117.30



DRILL STEM TEST REPORT

FLUID SUMMARY

F.G. Holl Company
 8431 East Central Suite#100
 Wichita, Kansas 67206+2563
 ATTN: Ryan Greenbaum

C.J.M.Inc.Unit#1-32
32/20S/15W Barton
 Job Ticket: 16558 **DST#: 1**
 Test Start: 2011.07.19 @ 11:28:00

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: 45.00 sec/qt	Cushion Volume: bbl		
Water Loss: 10.20 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psia		
Salinity: 31000.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
100.00	Mud (very thin looking) 100% Mud	1.403

Total Length: 100.00 ft Total Volume: 1.403 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:



DRILL STEM TEST REPORT

GAS RATES

F.G. Holl Company
8431 East Central Suite#100
Wichita, Kansas 67206+2563
ATTN: Ryan Greenbaum

C.J.M.Inc.Unit#1-32
32/20S/15W Barton
Job Ticket: 16558 **DST#: 1**
Test Start: 2011.07.19 @ 11:28:00

Gas Rates Information

Temperature: 59 (deg F)
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)
2	10	0.75	4.00	62.48
2	20	0.75	5.50	85.91
2	30	0.75	5.70	89.03
2	40	0.75	6.20	96.84
2	50	0.75	6.50	101.53

Pressure vs. Time

