



DRILL STEM TEST REPORT

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

9431 East Central Suite 100
Wichita, Kansas 67206-2563

ATTN: Ryan Greenbaum

Foster Unit #1-5

5-20s-16w Pawnee

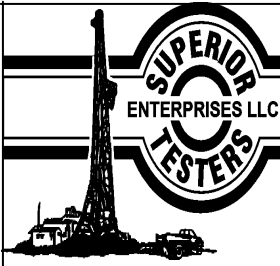
Start Date: 2012.06.06 @ 00:00:00

End Date: 2012.06.06 @ 00:00:00

Job Ticket #: 15870 DST #: 3

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

Printed: 2012.06.06 @ 18:41:04



DRILL STEM TEST REPORT

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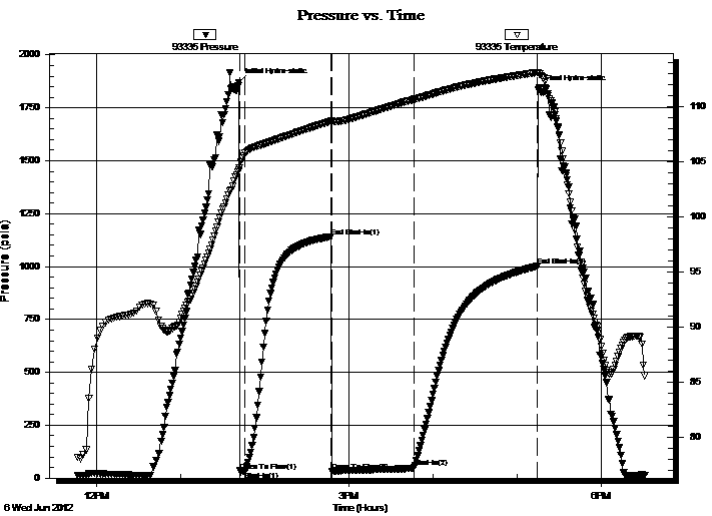
5-20s-16w Pawnee
Foster Unit #1-5
 Job Ticket: 15870 **DST#: 3**
 Test Start: 2012.06.06 @ 00:00:00

GENERAL INFORMATION:

Formation: Aruckle
Deviated: No Whipstock: ft (KB)
Test Type: Conventional Bottom Hole (Initial)
Time Tool Opened: 00:00:00
Tester: Gene Budig
Time Test Ended: 00:00:00
Unit No: 3335
Interval: 3760.00 ft (KB) To 3775.00 ft (KB) (TVD)
Reference Elevations: 2038.00 ft (KB)
Total Depth: 3775.00 ft (KB) (TVD)
 2030.00 ft (CF)
Hole Diameter: 7.88 inches **Hole Condition:** Fair
KB to GR/CF: 8.00 ft

Serial #: 93335 **Inside**
Press @ Run Depth: 1001.40 psia @ 3771.00 ft (KB) **Capacity:** 5000.00 psia
Start Date: 2012.06.06 **End Date:** 2012.06.06 **Last Calib.:** 2012.06.06
Start Time: 11:45:00 **End Time:** 18:31:00 **Time On Btm:** 2012.06.06 @ 13:41:30
Time Off Btm: 2012.06.06 @ 17:15:00

TEST COMMENT:
 1st Opening 05 Minutes Fair blow built to 8 inches into the water
 1st Shut-In 60 Minutes-No blow back
 2nd Opening 60 Minutes-Fair blow built to the bottom of a 5 gallon bucket in 8 minutes
 2nd Shut-In 90 Minutes-No blow back



PRESSURE SUMMARY

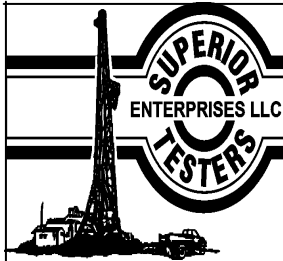
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1869.35	104.24	Initial Hydro-static
1	33.97	104.48	Open To Flow (1)
5	31.32	105.76	Shut-In(1)
66	1140.69	108.68	End Shut-In(1)
67	31.60	108.69	Open To Flow (2)
125	49.99	110.66	Shut-In(2)
213	1001.40	113.11	End Shut-In(2)
214	1836.83	113.12	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	1300 of gas in the pipe	0.00
50.00	muddy gassy oil	0.70
0.00	15%Gas 30%Oil 55%mud	0.00

Gas Rates

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



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Foster Unit #1-5
 Job Ticket: 15870 **DST#: 3**
 Test Start: 2012.06.06 @ 00:00:00

GENERAL INFORMATION:

Formation: **Aruckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 00:00:00
 Time Test Ended: 00:00:00
 Interval: **3760.00 ft (KB) To 3775.00 ft (KB) (TVD)**
 Total Depth: 3775.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Gene Budig
 Unit No: 3335
 Reference Elevations: 2038.00 ft (KB)
 2030.00 ft (CF)
 KB to GR/CF: 8.00 ft

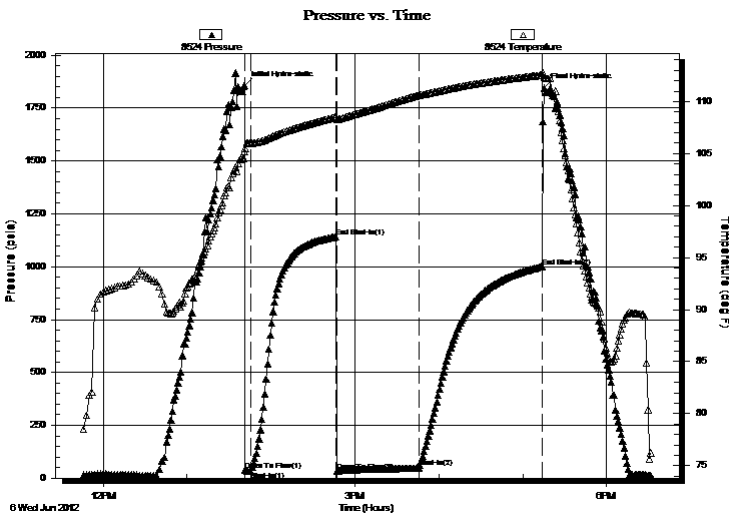
Serial #: 8524

Outside

Press@RunDepth: 1001.57 psia @ 3772.00 ft (KB) Capacity: 5000.00 psia
 Start Date: 2012.06.06 End Date: 2012.06.06 Last Calib.: 2012.06.06
 Start Time: 11:45:00 End Time: 18:31:30 Time On Btm: 2012.06.06 @ 13:41:00
 Time Off Btm: 2012.06.06 @ 17:15:30

TEST COMMENT: 1st Opening 05 Minutes Fair blow built to 8 inches into the water
 1st Shut-In 60 Minutes-No blow back
 2nd Opening 60 Minutes-Fair blow built to the bottom of a 5 gallon bucket in 8 minutes
 2nd Shut-In 90 Minutes-No blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1856.43	105.17	Initial Hydro-static
1	38.26	105.47	Open To Flow (1)
5	31.89	106.00	Shut-In(1)
66	1141.00	108.52	End Shut-In(1)
67	33.85	108.29	Open To Flow (2)
125	49.67	110.59	Shut-In(2)
213	1001.57	112.55	End Shut-In(2)
215	1844.80	112.31	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	1300 of gas in the pipe	0.00
50.00	muddy gassy oil	0.70
0.00	15%Gas 30%Oil 55%mud	0.00

Gas Rates

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



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TOOL DIAGRAM

F.G.Holl Company
 9431 East Central Suite 100
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5-20s-16w Pawnee
Foster Unit #1-5
 Job Ticket: 15870 **DST#: 3**
 Test Start: 2012.06.06 @ 00:00:00

Tool Information

Drill Pipe:	Length: 3755.00 ft	Diameter: 3.80 inches	Volume: 52.67 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.86 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: 46000.00 lb
			<u>Total Volume: 52.67 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	23.00 ft			String Weight: Initial 38000.00 lb
Depth to Top Packer:	3760.00 ft			Final 38000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	15.00 ft			
Tool Length:	43.00 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			3737.00	
Hydraulic Tool	5.00			3742.00	
Jars	6.00			3748.00	
Safety Joint	2.00			3750.00	
Packer	5.00			3755.00	28.00 Bottom Of Top Packer
Packer	5.00			3760.00	
Perforations	10.00			3770.00	
Recorder	1.00	93335	Inside	3771.00	
Recorder	1.00	8524	Outside	3772.00	
Bull Plug	3.00			3775.00	15.00 Bottom Packers & Anchor
Total Tool Length:	43.00				



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FLUID SUMMARY

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Test Start: 2012.06.06 @ 00:00:00

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: 48.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.60 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psia		
Salinity: 4000.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	1300 of gas in the pipe	0.000
50.00	muddy gassy oil	0.701
0.00	15%Gas 30%Oil 55%mud	0.000

Total Length: 50.00 ft Total Volume: 0.701 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

