

DRILL STEM TEST REPORT

Prepared For: **F.G Holl**

9431 East Central Suite 100
Wichita Kansas 67206

ATTN: Frank Greenbaum

Lenkner 1-29

29-30s-13w-Barber

Start Date: 2012.01.08 @ 08:08:00

End Date: 2012.01.08 @ 14:49:30

Job Ticket #: 17179 DST #: 10

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

Printed: 2012.01.09 @ 03:31:46

F.G Holl
29-30s-13w-Barber
Lenkner 1-29
DST # 10
Arbuckle
2012.01.08



DRILL STEM TEST REPORT

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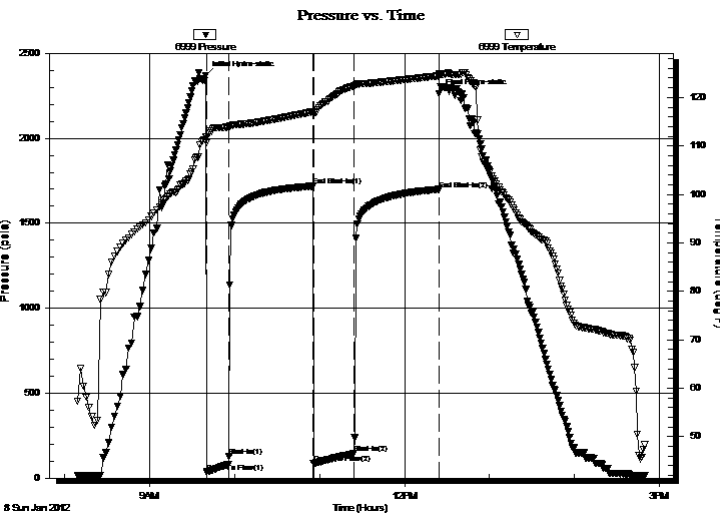
29-30s-13w-Barber
Lenkner 1-29
 Job Ticket: 17179 **DST#: 10**
 Test Start: 2012.01.08 @ 08:08:00

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 09:40:00 Tester: Dustin Ellis
 Time Test Ended: 14:49:30 Unit No: 3315-GB -170
 Interval: **4789.00 ft (KB) To 4800.00 ft (KB) (TVD)** Reference Elevations: 1921.00 ft (KB)
 Total Depth: 4800.00 ft (KB) (TVD) 1913.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 8.00 ft

Serial #: 6999 Inside
 Press @ RunDepth: 145.20 psia @ 4796.00 ft (KB) Capacity: 5000.00 psia
 Start Date: 2012.01.08 End Date: 2012.01.08 Last Calib.: 2012.01.09
 Start Time: 08:08:00 End Time: 14:49:30 Time On Btm: 2012.01.08 @ 09:39:30
 Time Off Btm: 2012.01.08 @ 12:24:30

TEST COMMENT: 1st Open 15 minutes Fair building blow blew 7.5 inches.
 1st Shut in 60 minutes No blow back
 2nd Open 30 minutes Fair building blow built to bottom of bucket in 16 minutes
 2nd Shut 60 minutes No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	2367.95	111.79	Initial Hydro-static
1	35.24	110.66	Open To Flow (1)
17	128.51	113.90	Shut-In(1)
76	1718.38	117.05	End Shut-In(1)
76	86.62	116.41	Open To Flow (2)
105	145.20	122.34	Shut-In(2)
165	1699.70	124.44	End Shut-In(2)
165	2261.92	124.84	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	Clean oil 100%	0.84
60.00	Oil cut muddy w ater	0.84
0.00	30%oil10%mud60%w ater	0.00
120.00	Salt w ater 5%mud 95% w ater	1.68
0.00	Chlorides 56000	0.00
0.00	Gravity of oil 32 corrected	0.00

Gas Rates

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



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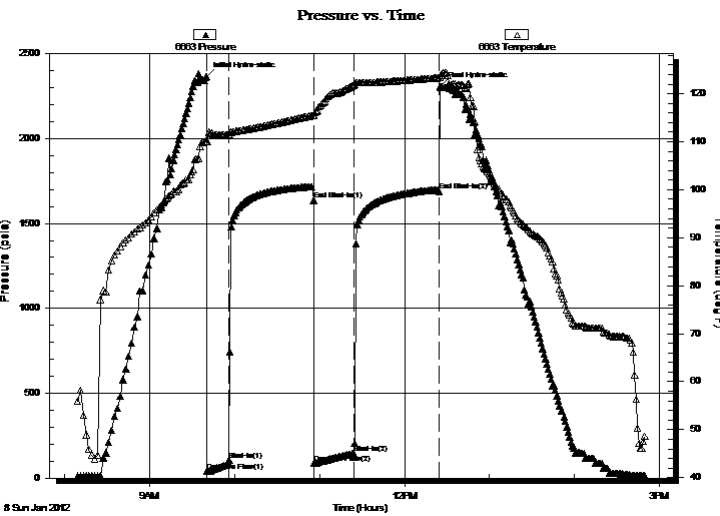
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 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 8.00 ft

Serial #: 6663 Outside
 Press @ Run Depth: 1689.84 psia @ 4797.00 ft (KB) Capacity: 5000.00 psia
 Start Date: 2012.01.08 End Date: 2012.01.08 Last Calib.: 2012.01.09
 Start Time: 08:08:00 End Time: 14:50:00 Time On Btm: 2012.01.08 @ 09:40:00
 Time Off Btm: 2012.01.08 @ 12:25:00

TEST COMMENT: 1st Open 15 minutes Fair building blow blew 7.5 inches.
 1st Shut in 60 minutes No blow back
 2nd Open 30 minutes Fair building blow built to bottom of bucket in 16 minutes
 2nd Shut 60 minutes No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	2365.39	109.94	Initial Hydro-static
1	39.03	110.10	Open To Flow (1)
16	107.01	111.57	Shut-In(1)
76	1637.27	115.53	End Shut-In(1)
76	85.58	115.36	Open To Flow (2)
104	146.45	121.78	Shut-In(2)
165	1689.84	123.33	End Shut-In(2)
165	2305.78	123.44	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	Clean oil 100%	0.84
60.00	Oil cut muddy w ater	0.84
0.00	30%oil10%mud60%w ater	0.00
120.00	Salt w ater 5%mud 95% w ater	1.68
0.00	Chlorides 56000	0.00
0.00	Gravity of oil 32 corrected	0.00

Gas Rates

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



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TOOL DIAGRAM

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Lenkner 1-29
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Tool Information

Drill Pipe:	Length: 4792.00 ft	Diameter: 3.80 inches	Volume: 67.22 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:	75000.00 lb
			<u>Total Volume: 67.22 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial	72000.00 lb
Depth to Top Packer:	4789.00 ft			Final	72000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	11.00 ft				
Tool Length:	39.00 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			4766.00	
Hydraulic Tool	5.00			4771.00	
Jars	6.00			4777.00	
Safety Joint	2.00			4779.00	
Packer	5.00			4784.00	28.00 Bottom Of Top Packer
Packer	5.00			4789.00	
Perforations	6.00			4795.00	
Recorder	1.00	6999	Inside	4796.00	
Recorder	1.00	6663	Outside	4797.00	
Bull Plug	3.00			4800.00	11.00 Bottom Packers & Anchor
Total Tool Length:	39.00				



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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: 47.00 sec/qt
Water Loss: 9.60 in³
Resistivity: 0.40 ohm.m
Salinity: 5000.00 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
60.00	Clean oil 100%	0.842
60.00	Oil cut muddy w ater	0.842
0.00	30%oil10%mud60%w ater	0.000
120.00	Salt w ater 5%mud 95% w ater	1.683
0.00	Chlorides 56000	0.000
0.00	Gravity of oil 32 corrected	0.000

Total Length: 240.00 ft Total Volume: 3.367 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

