



DRILL STEM TEST REPORT

Prepared For: **FG Holl Company L.L.C**

9431 E Central Ste 100 Wichita KS
67206+2563

ATTN: Rene Husted

Lang?Bahr Unit #2-26

26-17s-15w Barton

Start Date: 2013.11.09 @ 17:10:00

End Date: 2013.11.09 @ 22:19:30

Job Ticket #: 18458 DST #: 6

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

Printed: 2013.11.09 @ 22:26:18



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Test Start: 2013.11.09 @ 17:10:00

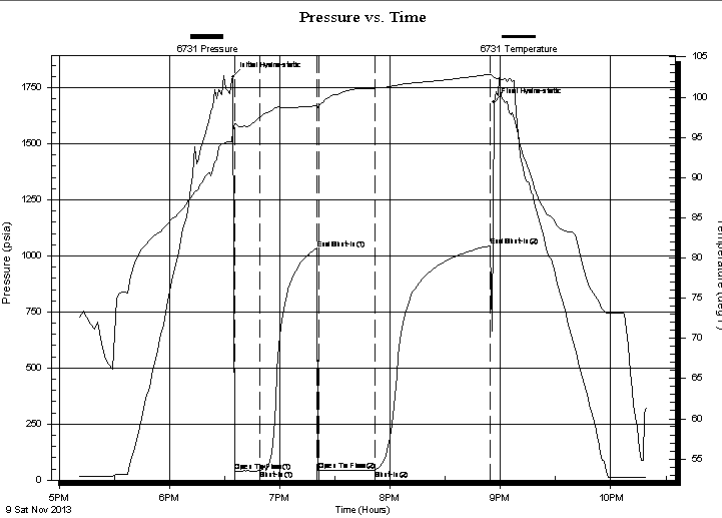
GENERAL INFORMATION:

Formation: **Congl**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 18:35:30 Tester: Jared Scheck
 Time Test Ended: 22:19:30 Unit No: 3320-Great Bend-47
 Interval: **3555.00 ft (KB) To 3571.00 ft (KB) (TVD)** Reference Elevations: 2000.00 ft (KB)
 Total Depth: 3571.00 ft (KB) (TVD) 1992.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: KB to GR/CF: 8.00 ft

Serial #: 6731

Press@RunDepth: 44.93 psia @ ft (KB) Capacity: 5000.00 psia
 Start Date: 2013.11.09 End Date: 2013.11.09 Last Calib.: 2013.11.09
 Start Time: 17:10:00 End Time: 22:19:30 Time On Btm: 2013.11.09 @ 18:34:30
 Time Off Btm: 2013.11.09 @ 20:56:30

TEST COMMENT: 1st Opening 15 Minutes-Weak surface blow built 1/2 inch into bucket w water in 30 minutesw
 1st Shut-in 30 Minutes-No blow back
 2nd Opening 30 Minutes-Very weak surface blow stayed steady throughout open
 2nd Shut-in 60 Minutes-No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1798.01	95.79	Initial Hydro-static
1	38.84	96.67	Open To Flow (1)
15	41.80	97.56	Shut-In(1)
46	1033.50	98.92	End Shut-In(1)
47	42.61	98.89	Open To Flow (2)
77	44.93	101.13	Shut-In(2)
140	1045.77	102.83	End Shut-In(2)
142	1685.55	102.46	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	spot oil cut mud 1%oil 99%mud	0.42

Gas Rates

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



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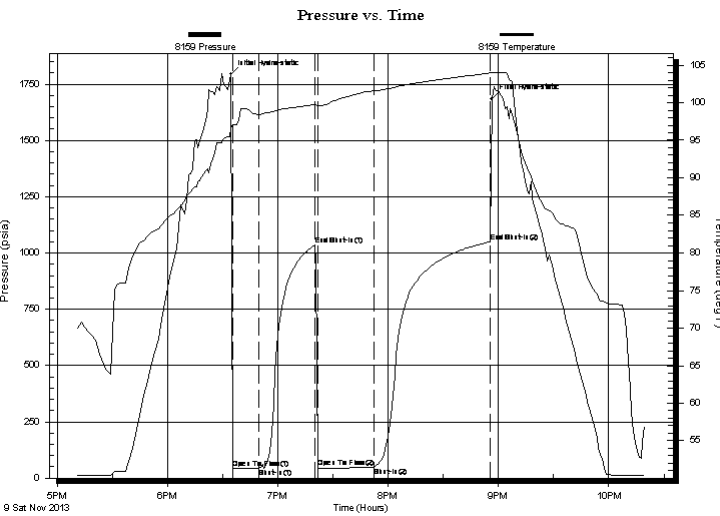
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 Total Depth: 3571.00 ft (KB) (TVD) 1992.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: KB to GR/CF: 8.00 ft

Serial #: 8159

Press@RunDepth: 1048.63 psia @ ft (KB) Capacity: 5000.00 psia
 Start Date: 2013.11.09 End Date: 2013.11.09 Last Calib.: 2013.11.09
 Start Time: 17:10:00 End Time: 22:20:00 Time On Btm: 2013.11.09 @ 18:34:30
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PRESSURE SUMMARY

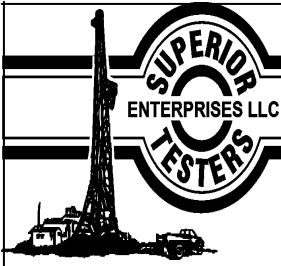
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1794.16	96.58	Initial Hydro-static
1	43.11	97.02	Open To Flow (1)
15	43.14	98.44	Shut-In(1)
46	1034.26	99.75	End Shut-In(1)
47	45.89	99.54	Open To Flow (2)
78	46.60	101.58	Shut-In(2)
141	1048.63	103.94	End Shut-In(2)
142	1685.11	103.97	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	spot oil cut mud 1%oil 99%mud	0.42

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

FG Holl Company L.L.C

26-17s-15w Barton

9431 E Central Ste 100 Wichita KS 67206+2563

Lang?Bahr Unit #2-26

Job Ticket: 18458

DST#: 6

ATTN: Rene Husted

Test Start: 2013.11.09 @ 17:10:00

Tool Information

Drill Pipe:	Length: 3533.00 ft	Diameter: 3.80 inches	Volume: 49.56 bbl	Tool Weight: 1000.00 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: 65000.00 lb
			<u>Total Volume: 49.56 bbl</u>	Tool Chased 1.00 ft
Drill Pipe Above KB:	6.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3555.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	16.00 ft			
Tool Length:	44.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Shut-In Tool	5.00			3532.00	
Hydraulic Tool	5.00			3537.00	
Jars	6.00			3543.00	
Safety Joint	2.00			3545.00	
Packer	5.00			3550.00	28.00 Bottom Of Top Packer
Packer	5.00			3555.00	
Anchor	11.00			3566.00	
Recorder	1.00	6731	Inside	3567.00	
Recorder	1.00	8159	Outside	3568.00	
Bullnose	3.00			3571.00	16.00 Bottom Packers & Anchor
Total Tool Length:	44.00				



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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: 53.00 sec/qt

Cushion Volume:

bbf

Water Loss: 9.20 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psia

Salinity: 8200.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
30.00	spot oil cut mud 1%oil 99%mud	0.421

Total Length: 30.00 ft Total Volume: 0.421 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

