



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 @ 04:25:00

End Date: 2013.11.09 @ 09:16:30

Job Ticket #: 18457 DST #: 5

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

Printed: 2013.11.09 @ 09:32:06

FG Holl Company L.L.C

26-17s-15w Barton

Lang?Bahr Unit #2-26

DST # 5

Lansing K, L

2013.11.09



DRILL STEM TEST REPORT

FG Holl Company L.L.C

26-17s-15w Barton

9431 E Central Ste 100 Wichita KS 67206+2563

Lang?Bahr Unit #2-26

ATTN: Rene Husted

Job Ticket: 18457

DST#: 5

Test Start: 2013.11.09 @ 04:25:00

GENERAL INFORMATION:

Formation: **Lansing K, L**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:02:30

Time Test Ended: 09:16:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Jared Scheck

Unit No: 3320-Great Bend -47

Interval: 3470.00 ft (KB) To 3514.00 ft (KB) (TVD)

Reference Elevations: 2000.00 ft (KB)

Total Depth: 3514.00 ft (KB) (TVD)

1992.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 6731

Press@RunDepth: 57.94 psia @ ft (KB)

Capacity: 5000.00 psia

Start Date: 2013.11.09

End Date: 2013.11.09

Last Calib.: 2013.11.09

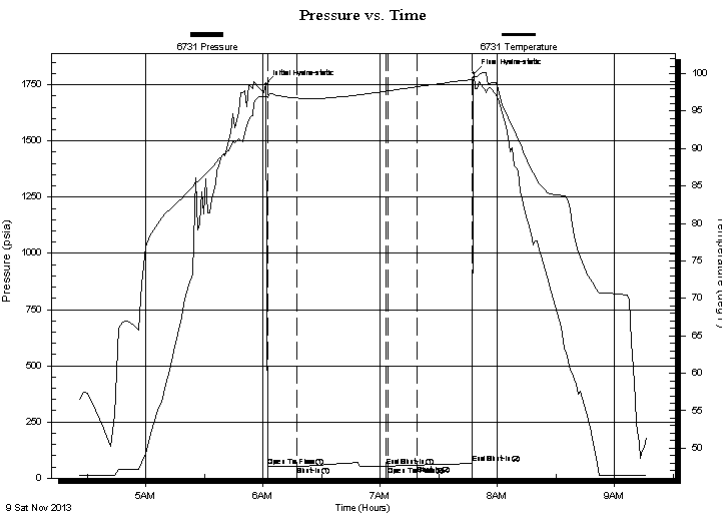
Start Time: 04:25:00

End Time: 09:16:30

Time On Btm: 2013.11.09 @ 06:01:30

Time Off Btm: 2013.11.09 @ 07:48:00

TEST COMMENT: 1st Opening 15 Minutes-Weak surface blow built 1/2 inch into water in 15 minutes
 1st Shut-in 30 Minutes-No blow back
 2nd Opening 15 Minutes-Very weak surge did not build flushed tool good surge did not build
 2nd Shut-in 45 Minutes-No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1753.19	96.94	Initial Hydro-static
2	50.72	96.79	Open To Flow (1)
16	51.97	96.73	Shut-In(1)
62	53.53	97.66	End Shut-In(1)
63	52.43	97.70	Open To Flow (2)
78	57.94	98.25	Shut-In(2)
106	65.05	99.23	End Shut-In(2)
107	1801.49	99.60	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
3.00	mud	0.04

Gas Rates

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



DRILL STEM TEST REPORT

FG Holl Company L.L.C

26-17s-15w Barton

9431 E Central Ste 100 Wichita KS 67206+2563

Lang?Bahr Unit #2-26

ATTN: Rene Husted

Job Ticket: 18457

DST#: 5

Test Start: 2013.11.09 @ 04:25:00

GENERAL INFORMATION:

Formation: **Lansing K, L**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:02:30

Time Test Ended: 09:16:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Jared Scheck

Unit No: 3320-Great Bend -47

Interval: 3470.00 ft (KB) To 3514.00 ft (KB) (TVD)

Reference Elevations: 2000.00 ft (KB)

Total Depth: 3514.00 ft (KB) (TVD)

1992.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8159

Press@RunDepth: 63.37 psia @ ft (KB)

Capacity: 5000.00 psia

Start Date: 2013.11.09

End Date: 2013.11.09

Last Calib.: 2013.11.09

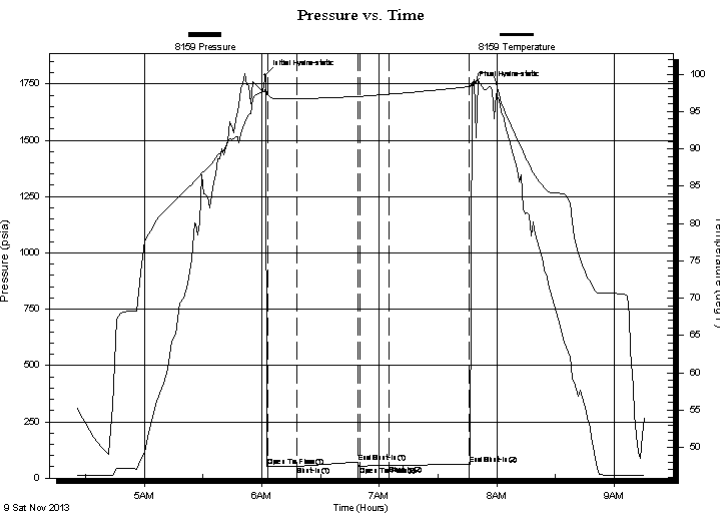
Start Time: 04:25:00

End Time: 09:16:00

Time On Btm: 2013.11.09 @ 06:02:00

Time Off Btm: 2013.11.09 @ 07:47:30

TEST COMMENT: 1st Opening 15 Minutes-Weak surface blow built 1/2 inch into water in 15 minutes
 1st Shut-in 30 Minutes-No blow back
 2nd Opening 15 Minutes-Very weak surge did not build flushed tool good surge did not build
 2nd Shut-in 45 Minutes-No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1791.78	98.19	Initial Hydro-static
1	51.24	97.25	Open To Flow (1)
16	52.40	96.69	Shut-In(1)
47	71.69	97.02	End Shut-In(1)
48	52.40	97.03	Open To Flow (2)
63	55.59	97.31	Shut-In(2)
104	63.37	98.30	End Shut-In(2)
106	1741.96	98.84	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
3.00	mud	0.04

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: 18457

DST#: 5

ATTN: Rene Husted

Test Start: 2013.11.09 @ 04:25:00

Tool Information

Drill Pipe:	Length: 3469.00 ft	Diameter: 3.80 inches	Volume: 48.66 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:	95000.00 lb
			<u>Total Volume: 48.66 bbl</u>	Tool Chased	2.00 ft
Drill Pipe Above KB:	27.00 ft			String Weight: Initial	48000.00 lb
Depth to Top Packer:	3470.00 ft			Final	48000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	44.00 ft				
Tool Length:	72.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments: ruined packer

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut-In Tool	5.00			3447.00	
Hydraulic Tool	5.00			3452.00	
Jars	6.00			3458.00	
Safety Joint	2.00			3460.00	
Packer	5.00			3465.00	28.00 Bottom Of Top Packer
Packer	5.00			3470.00	
Anchor	39.00			3509.00	
Recorder	1.00		Inside	3510.00	
Recorder	1.00		Outside	3511.00	
Bullnose	3.00			3514.00	44.00 Bottom Packers & Anchor
Total Tool Length:	72.00				



DRILL STEM TEST REPORT

FLUID SUMMARY

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: 18457

DST#: 5

ATTN: Rene Husted

Test Start: 2013.11.09 @ 04:25:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 10.00 lb/gal

Cushion Length: ft

Water Salinity: ppm

Viscosity: 54.00 sec/qt

Cushion Volume: bbl

Water Loss: 9.20 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure: psia

Salinity: 5000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
3.00	mud	0.042

Total Length: 3.00 ft Total Volume: 0.042 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: ruined packer

Pressure vs. Time

