



DRILL STEM TEST REPORT

Prepared For: **LB Exploration**

21352nd Rd Holyrood KS 67450+9021

ATTN: Steven Peterman

Spriggs B#1

26-33-13 Barber

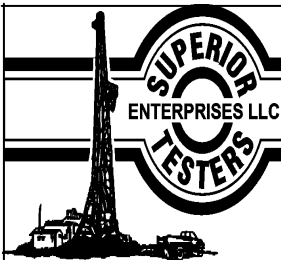
Start Date: 2013.04.19 @ 16:30:00

End Date: 2013.04.19 @ 23:31:00

Job Ticket #: 17453 DST #: 2

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

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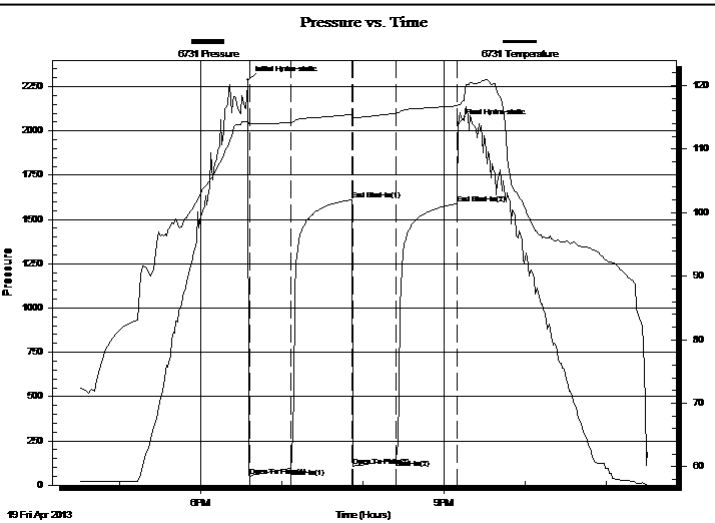
GENERAL INFORMATION:

Formation: **Swope**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 18:36:00 Tester: Jared Scheck
 Time Test Ended: 23:31:00 Unit No: 3320-Pratt-
 Interval: **4377.00 ft (KB) To 4407.00 ft (KB) (TVD)** Reference Elevations: 1566.00 ft (KB)
 Total Depth: 4407.00 ft (KB) (TVD) 1554.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 12.00 ft

Serial #: 6731

Press @ RunDepth: 145.82 psia @ ft (KB) Capacity: 5000.00 psia
 Start Date: 2013.04.19 End Date: 2013.04.19 Last Calib.: 2013.04.19
 Start Time: 16:31:00 End Time: 23:31:00 Time On Btm: 2013.04.19 @ 18:35:00
 Time Off Btm: 2013.04.19 @ 21:10:30

TEST COMMENT: 1st Opening 30 Minutes-Weak blow built 2 inches from bottom of bucket in 30 minutes
 1st Shut-in 45 Minutes No blow back
 2nd Opening 30 Minutes-Weak blow built 7 inches into bucket w ater in 30 minutes
 2nd Shut-in 45 Minutes-No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	2285.47	114.51	Initial Hydro-static
1	52.42	114.05	Open To Flow (1)
32	95.24	114.18	Shut-In(1)
77	1612.21	115.46	End Shut-In(1)
78	108.10	115.02	Open To Flow (2)
110	145.82	115.62	Shut-In(2)
155	1589.34	116.82	End Shut-In(2)
156	2039.37	116.96	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
180.00	water 40% mud 60% water	2.52
0.00	chlorides 100,000 resistivity .6 @ 70 deg	0.00

Gas Rates

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



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TOOL DIAGRAM

LB Exploration
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26-33-13 Barber
Spriggs B#1
 Job Ticket: 17453 **DST#: 2**
 Test Start: 2013.04.19 @ 16:30:00

Tool Information

Drill Pipe:	Length: 4362.00 ft	Diameter: 3.80 inches	Volume: 61.19 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: 61.19 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	13.00 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	4377.00 ft			Final 62000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	30.00 ft			
Tool Length:	58.00 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			4354.00	
Hydraulic Tool	5.00			4359.00	
Jars	6.00			4365.00	
Safety Joint	2.00			4367.00	
Packer	5.00			4372.00	28.00 Bottom Of Top Packer
Packer	5.00			4377.00	
Anchor	25.00			4402.00	
Recorder	1.00	6731	Inside	4403.00	
Recorder	1.00	8159	Outside	4404.00	
Bullnose	3.00			4407.00	30.00 Bottom Packers & Anchor
Total Tool Length:	58.00				



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FLUID SUMMARY

LB Exploration

26-33-13 Barber

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Spriggs B#1

Job Ticket: 17453

DST#: 2

ATTN: Steven Peterman

Test Start: 2013.04.19 @ 16:30:00

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: 53.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.58 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psia

Salinity: 9000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
180.00	w ater 40%mud 60%w ater	2.525
0.00	chlorides 100,000 ressitivity .6@70degre	0.000

Total Length: 180.00 ft Total Volume: 2.525 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

