



## DRILL STEM TEST REPORT

Prepared For: **RJM COMPANY**

P.O. BOX 256  
CLAFLIN ,KANSAS 67525-0256

ATTN: .JIM MUSGROVE

**WILLIAM POTTER 1**

**RJUSH 15-17S-20W**

Start Date: 2016.05.11 @ 15:40:00

End Date: 2016.05.11 @ 00:00:00

Job Ticket #: 01224                      DST #: 2

Eagle Testers  
1309 Patton Road    Great Bend, Kansas 67530  
620-791-7394

Printed: 2016.05.12 @ 02:14:25

RJM COMPANY

RJUSH 15-17S-20W

WILLIAM POTTER 1

DST # 2

CHEROKEE SAND-CONGLO

2016.05.11





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 CLAFLIN, KANSAS 67525-0256  
 ATTN: JIM MUSGROVE

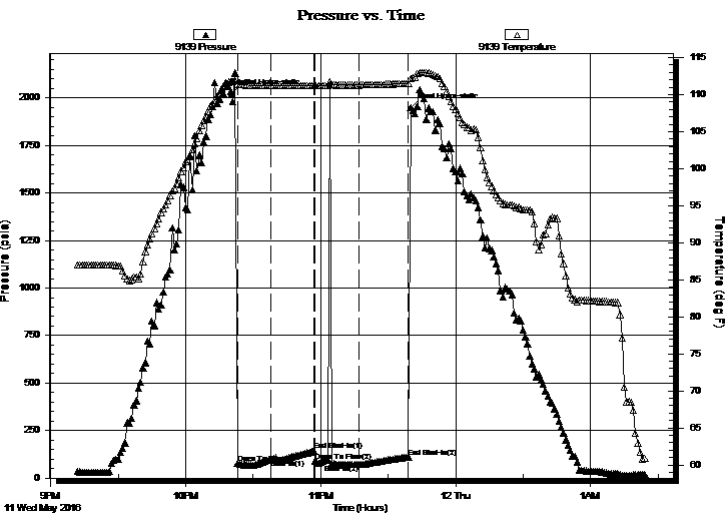
**RJUSH 15-17S-20W**  
**WILLIAM POTTER 1**  
 Job Ticket: 01224 **DST#: 2**  
 Test Start: 2016.05.11 @ 15:40:00

## GENERAL INFORMATION:

Formation: **CHEROKEE SAND-CONGLO**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 23:22:00  
 Time Test Ended: 00:00:00  
 Interval: **3929.00 ft (KB) To 3991.00 ft (KB) (TVD)**  
 Total Depth: 3991.00 ft (KB) (TVD)  
 Hole Diameter: 8.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: GENE BUDIG  
 Unit No: 1  
 Reference Elevations: 2127.00 ft (KB)  
 2119.00 ft (CF)  
 KB to GR/CF: 8.00 ft

**Serial #: 9139 Outside**  
 Press@RunDepth: 111.73 psia @ 3986.28 ft (KB) Capacity: 5000.00 psia  
 Start Date: 2016.05.11 End Date: 2016.05.12 Last Calib.: 2016.05.12  
 Start Time: 21:12:00 End Time: 01:24:30 Time On Btm: 2016.05.11 @ 22:20:30  
 Time Off Btm: 2016.05.11 @ 23:40:00

**TEST COMMENT:** 1ST OPENING 15 MINUTES WEAK BLOW TO VERY WEAK SURFACE BLOW  
 1ST SHUT-IN 20 MINUTES  
 2ND OPENING 20 MINUTES NO BLOW FLUSHED TOOL WEAK BLOW FOR 2 MINUTES  
 2ND SHUT-IN 20 MINUTES



## PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	2025.15	111.75	Initial Hydro-static
3	76.54	111.41	Open To Flow (1)
18	97.27	111.19	Shut-In(1)
37	144.77	111.20	End Shut-In(1)
37	88.59	111.19	Open To Flow (2)
57	71.08	111.31	Shut-In(2)
79	111.73	111.49	End Shut-In(2)
80	1949.78	112.18	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
10.00	DRILLING MUD	0.14

## Gas Rates

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



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TOOL DIAGRAM

RJM COMPANY

RJUSH 15-17S-20W

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WILLIAM POTTER 1

Job Ticket: 01224

DST#: 2

ATTN: JIM MUSGROVE

Test Start: 2016.05.11 @ 15:40:00

## Tool Information

Drill Pipe:	Length: 3925.00 ft	Diameter: 3.80 inches	Volume: 55.06 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: 20000.00 lb
			Total Volume: 55.06 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial 40000.00 lb
Depth to Top Packer:	3929.00 ft			Final 40000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	62.28 ft			
Tool Length:	91.28 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			3905.00	
Hydraulic tool	5.00			3910.00	
Jars	7.00			3917.00	
Safety Joint	2.00		Fluid	3919.00	
Top Packer	5.00			3924.00	
Packer	5.00			3929.00	29.00 Bottom Of Top Packer
Anchor	5.00			3934.00	
Change Over Sub	0.75			3934.75	
Drill Pipe	31.78			3966.53	
Change Over Sub	0.75			3967.28	
Anchor	19.00			3986.28	
Recorder	0.00	9119	Inside	3986.28	
Recorder	0.00	9139	Outside	3986.28	
Bullnose	5.00			3991.28	62.28 Anchor Tool

**Total Tool Length: 91.28**



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**FLUID SUMMARY**

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**WILLIAM POTTER 1**  
 Job Ticket: 01224      **DST#: 2**  
 Test Start: 2016.05.11 @ 15:40:00

## 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: 50.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.79 in <sup>3</sup>	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
10.00	DRILLING MUD	0.140

Total Length: 10.00 ft      Total Volume: 0.140 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments:

### Pressure vs. Time

