



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Carmen Schmitt
 PO Box 47
 Great Bend KS, 67530-0047
 ATTN: Brad Rine

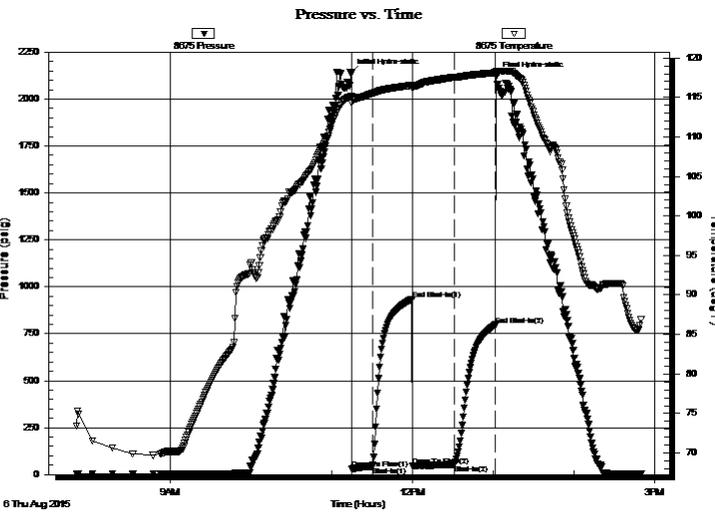
14-16s-28w Lane Co, KS
Lawrence #1-14
 Job Ticket: 61598 **DST#: 3**
 Test Start: 2015.08.06 @ 07:50:00

GENERAL INFORMATION:

Formation: **Marmaton**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 11:14:30
 Time Test Ended: 14:50:00
 Interval: **4282.00 ft (KB) To 4400.00 ft (KB) (TVD)**
 Total Depth: 4400.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Poor
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Jace McKinney
 Unit No: 75
 Reference Elevations: 2731.00 ft (KB)
 2723.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 8675 Inside
 Press@RunDepth: 53.96 psig @ 4297.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2015.08.06 End Date: 2015.08.06 Last Calib.: 2015.08.06
 Start Time: 07:50:15 End Time: 14:50:00 Time On Btm: 2015.08.06 @ 11:13:45
 Time Off Btm: 2015.08.06 @ 13:02:15

TEST COMMENT: Built to 1 1/4" blow
 No return blow
 Built to 1" blow
 No return blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2136.50	115.08	Initial Hydro-static
1	28.53	114.28	Open To Flow (1)
16	43.73	115.48	Shut-In(1)
46	933.54	116.54	End Shut-In(1)
47	44.90	116.20	Open To Flow (2)
77	53.96	117.55	Shut-In(2)
108	797.12	118.12	End Shut-In(2)
109	2122.47	118.33	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
55.00	100%Mud	0.77

* Recovery from multiple tests

Gas Rates

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



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FLUID SUMMARY

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Lawrence #1-14
Job Ticket: 61598 **DST#: 3**
Test Start: 2015.08.06 @ 07:50:00

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: 46.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.59 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 3400.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
55.00	100%Mud	0.772

Total Length: 55.00 ft Total Volume: 0.772 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Serial #: 8675

Inside

Carmen Schmitt

Lawrence #1-14

DST Test Number: 3

