



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Shakespeare Oil
202 West Main St
Salem, IL
ATTN: Tim Priest

Scott, Ks
Nightengale #2-28
Job Ticket: 61499 **DST#: 1**
Test Start: 2015.07.14 @ 10:06:07

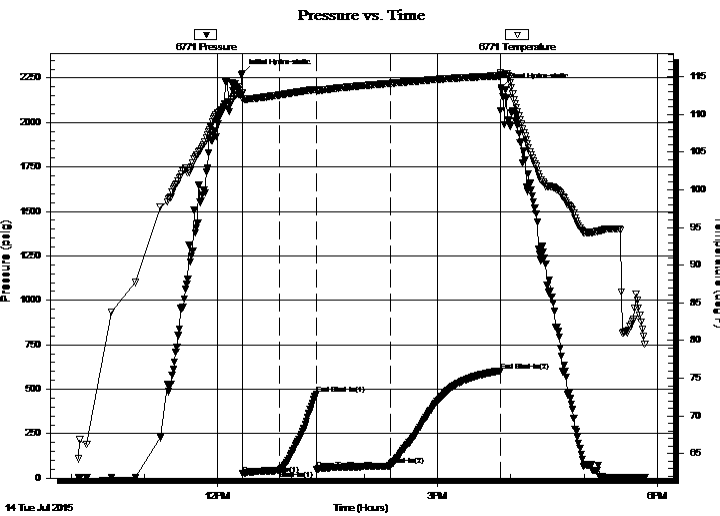
GENERAL INFORMATION:

Formation: **Marmaton A-B**
Deviated: No Whipstock: 0.00 ft (KB)
Time Tool Opened: 12:20:22
Time Test Ended: 17:55:07
Interval: **4463.00 ft (KB) To 4510.00 ft (KB) (TVD)**
Total Depth: 4510.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole (Initial)
Tester: Shane McBride
Unit No: 84
Reference Elevations: 3143.00 ft (KB)
3133.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 6771 Outside

Press @ Run Depth: 69.56 psig @ 4464.00 ft (KB)
Start Date: 2015.07.14 End Date: 2015.07.14
Start Time: 10:06:07 End Time: 17:50:07
Capacity: 8000.00 psig
Last Calib.: 2015.07.14
Time On Btm: 2015.07.14 @ 12:20:07
Time Off Btm: 2015.07.14 @ 15:52:07

TEST COMMENT: 3 1/4" in blow
No return
5 1/4" in blow
No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2276.85	112.84	Initial Hydro-static
1	23.67	112.12	Open To Flow (1)
31	42.98	112.58	Shut-In(1)
61	471.15	113.33	End Shut-In(1)
61	51.06	113.19	Open To Flow (2)
121	69.56	114.11	Shut-In(2)
211	603.45	115.11	End Shut-In(2)
212	2194.66	115.32	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
80.00	o c m w /tr of gas 30% o 70% m	0.39
50.00	c.o. w /tr of gas	0.30
0.00	115' weak gas in pipe	0.00

Gas Rates

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



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FLUID SUMMARY

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Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 31 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 0 ppm
Viscosity: 54.00 sec/qt	Cushion Volume: bbl	
Water Loss: 9.17 in ³	Gas Cushion Type:	
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig	
Salinity: 5000.00 ppm		
Filter Cake: 1.00 inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
80.00	o c m w /tr of gas 30%o 70%m	0.393
50.00	c.o. w /tr of gas	0.301
0.00	115' weak gas in pipe	0.000

Total Length: 130.00 ft Total Volume: 0.694 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Serial #: 6771

Outside Shakespeare Oil

Nightengale #2-28

DST Test Number: 1

