



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

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

Nightingale Grains #2-28

Scott, Ks

Job Ticket: 61500 **DST#: 2**
 Test Start: 2015.07.15 @ 01:25:42

GENERAL INFORMATION:

Formation: **Marmaton C**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 03:41:57
 Time Test Ended: 09:15:27
 Interval: **4510.00 ft (KB) To 4540.00 ft (KB) (TVD)**
 Total Depth: 4540.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 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

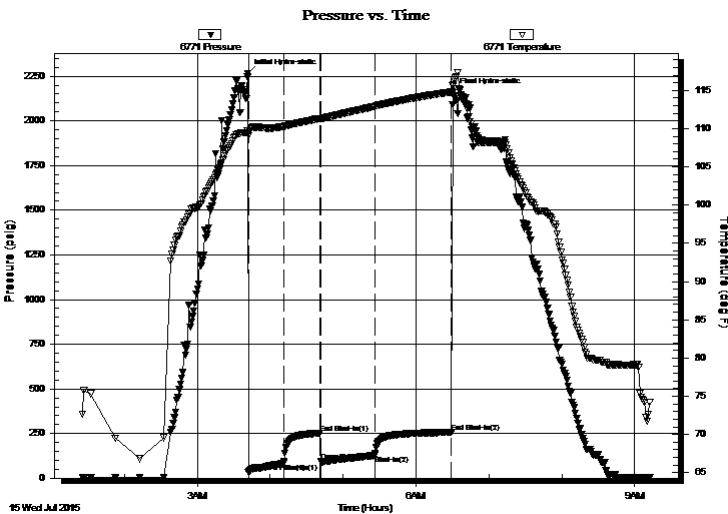
Outside

Press@RunDepth: 127.56 psig @ 4511.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2015.07.15 End Date: 2015.07.15 Last Calib.: 2015.07.15
 Start Time: 01:25:42 End Time: 09:12:27 Time On Btm: 2015.07.15 @ 03:41:42
 Time Off Btm: 2015.07.15 @ 06:30:27

TEST COMMENT: B.O.B. in 8 min
 3 1/2" in return
 B.O.B. in 7 min.
 9" in return

PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2266.71	109.70	Initial Hydro-static
1	32.84	109.04	Open To Flow (1)
30	82.68	110.27	Shut-In(1)
60	252.08	111.35	End Shut-In(1)
60	93.40	111.31	Open To Flow (2)
105	127.56	112.91	Shut-In(2)
168	256.38	114.79	End Shut-In(2)
169	2160.68	115.70	Final Hydro-static



Recovery

Length (ft)	Description	Volume (bbl)
120.00	g m c o 30%g 30%m 40%o	0.59
240.00	c g o 25%g 75%o	3.33
0.00	1080' gas in pipe	0.00

* Recovery from multiple tests

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: 53.00 sec/qt	Cushion Volume: bbl	
Water Loss: 9.15 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
120.00	g m c o 30%g 30%m 40%o	0.590
240.00	c g o 25%g 75%o	3.330
0.00	1080' gas in pipe	0.000

Total Length: 360.00 ft Total Volume: 3.920 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Serial #: 6771

Outside Shakespeare Oil

Scott, Ks

DST Test Number: 2

