



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Mikol Oil LLC
 1407 Washington Cir
 Hays Ks 67601
 ATTN: Larry Denning, Marc D

8-8s-16w Rooks
Townley 2-8
 Job Ticket: 63051 **DST#: 2**
 Test Start: 2016.07.20 @ 23:40:18

GENERAL INFORMATION:

Formation: **LKC E,F,G**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 01:00:58
 Time Test Ended: 04:36:57
 Interval: **3137.00 ft (KB) To 3185.00 ft (KB) (TVD)**
 Total Depth: 3185.00 ft (KB) (TVD)
 Hole Diameter: 7.85 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Ray Schwager
 Unit No: 77
 Reference Elevations: 1917.00 ft (KB)
 1909.00 ft (CF)
 KB to GR/CF: 8.00 ft

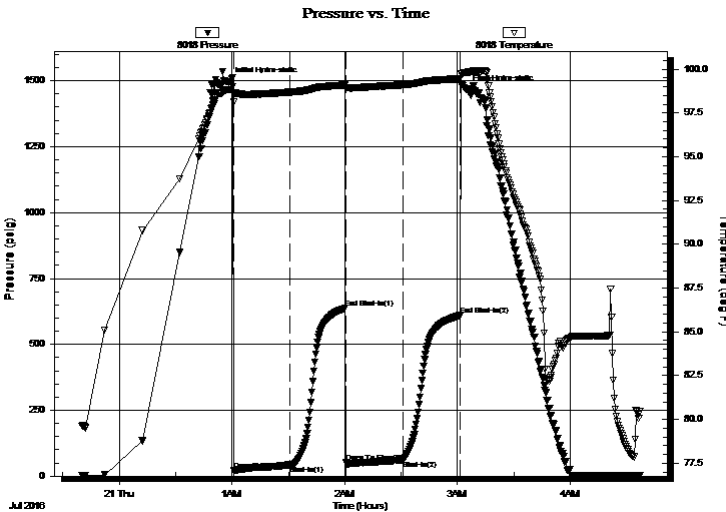
Serial #: 8018

Inside

Press@RunDepth: 60.96 psig @ 3149.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2016.07.20 End Date: 2016.07.21 Last Calib.: 2016.07.21
 Start Time: 23:40:18 End Time: 04:36:57 Time On Btm: 2016.07.21 @ 00:58:13
 Time Off Btm: 2016.07.21 @ 03:04:43

TEST COMMENT: 30-IFP-w k bl thru-out 1/4" to 1 1/4" bl
 30-ISIP-no bl
 30-FFP-w k bl thru-out surface to 1 1/4" bl
 30-FSIP-no bl

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1496.59	98.82	Initial Hydro-static
3	21.31	98.12	Open To Flow (1)
33	43.04	98.69	Shut-In(1)
62	636.80	99.09	End Shut-In(1)
63	51.06	98.90	Open To Flow (2)
93	60.96	99.10	Shut-In(2)
124	609.82	99.45	End Shut-In(2)
127	1468.17	99.81	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1.00	CO	0.01
10.00	HOCM 40% O60%M	0.07
60.00	O&GCM 10% G20% O70%M	0.42

Gas Rates

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



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FLUID SUMMARY

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Townley 2-8
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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: 50.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.20 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 2500.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1.00	CO	0.007
10.00	HOCM 40%O60%M	0.071
60.00	O&GCM 10%G20%O70%M	0.425

Total Length: 71.00 ft Total Volume: 0.503 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:

