



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Mkol Oil, LLC
 1407 Washington Circle
 Hays, KS 67601
 ATTN: Marc Downing

28-10S-17W Rooks, KS

Brumitt #3

Job Ticket: 63190

DST#: 3

Test Start: 2017.05.13 @ 13:15:02

GENERAL INFORMATION:

Formation: **LKC "I-K"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 15:15:08
 Time Test Ended: 19:42:23
 Interval: **3441.00 ft (KB) To 3512.00 ft (KB) (TVD)**
 Total Depth: 3512.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Brannan Lonsdale
 Unit No: 73
 Reference Elevations: 2073.00 ft (KB)
 2067.00 ft (CF)
 KB to GR/CF: 6.00 ft

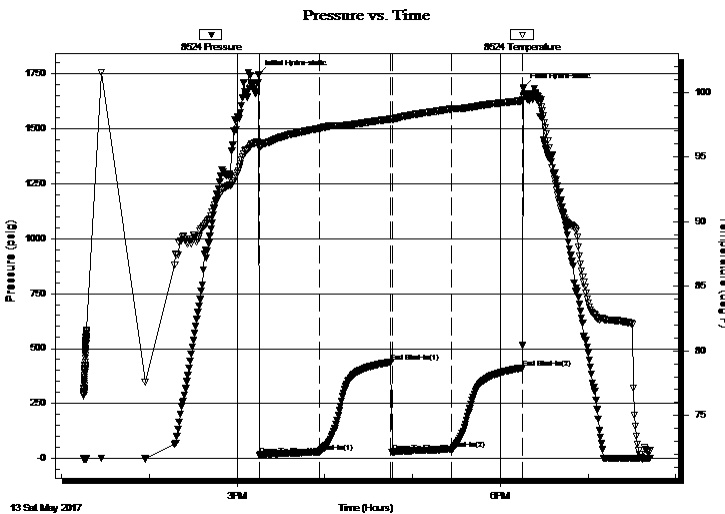
Serial #: 8524

Outside

Press@RunDepth: 42.25 psig @ 3442.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2017.05.13 End Date: 2017.05.13 Last Calib.: 2017.05.13
 Start Time: 13:15:03 End Time: 19:42:23 Time On Btm: 2017.05.13 @ 15:14:53
 Time Off Btm: 2017.05.13 @ 18:15:38

TEST COMMENT: 45- IF- Slow build to 6"
 45- IS- No blow
 45- FF- Slow build to 6"
 45- FSI- No blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1745.00	96.09	Initial Hydro-static
1	16.34	95.67	Open To Flow (1)
42	30.65	97.20	Shut-In(1)
91	439.04	97.92	End Shut-In(1)
91	28.82	97.88	Open To Flow (2)
132	42.25	98.71	Shut-In(2)
180	412.50	99.33	End Shut-In(2)
181	1683.35	99.67	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
65.00	MCO, 40%M 60%O	0.92
5.00	CO	0.07
0.00	55' GIP	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: 34 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: ppm
Viscosity: 48.00 sec/qt	Cushion Volume: bbl	
Water Loss: 8.79 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 8000.00 ppm		
Filter Cake: inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
65.00	MCO, 40%M 60%O	0.921
5.00	CO	0.071
0.00	55' GIP	0.000

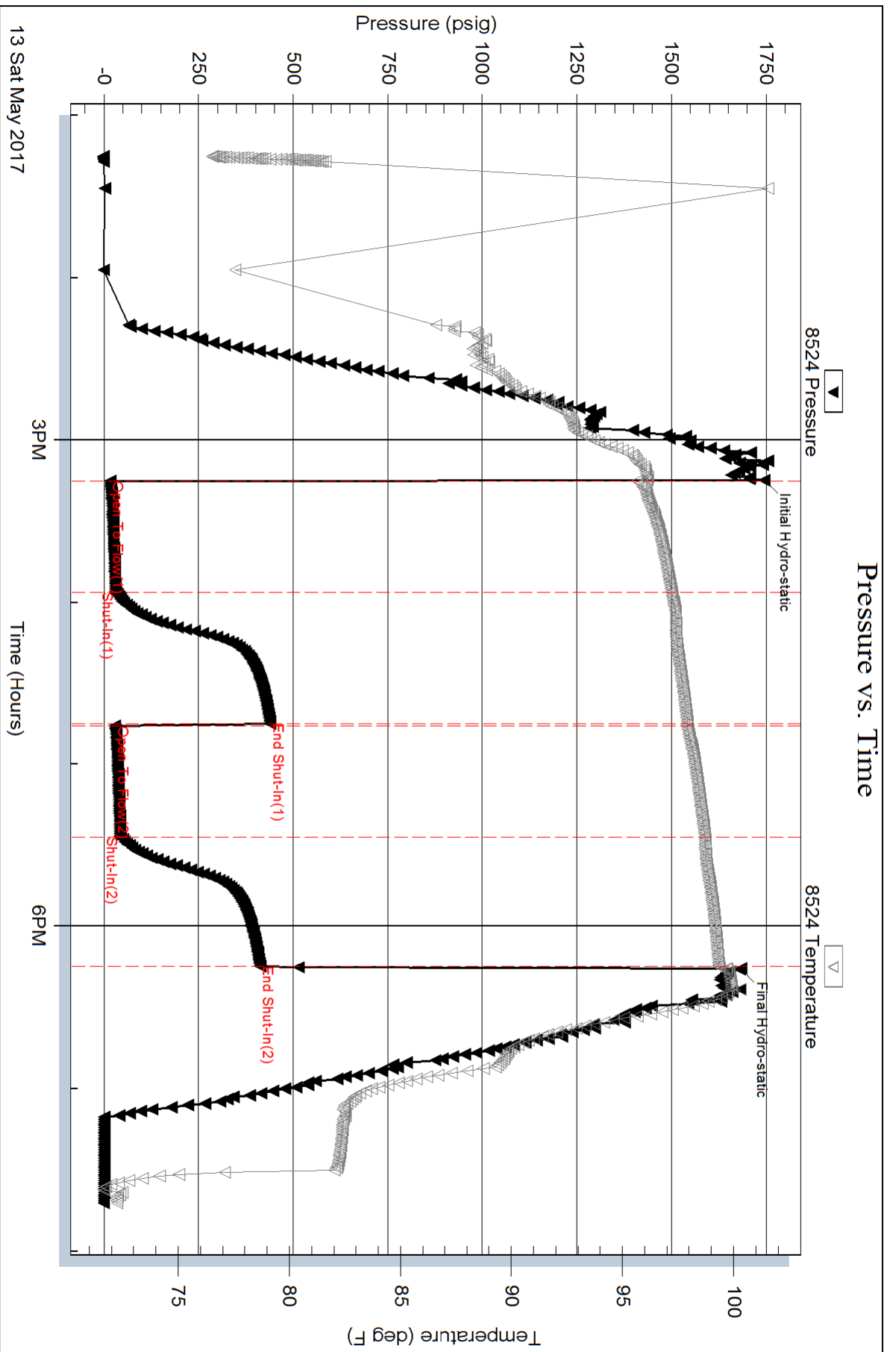
Total Length: 70.00 ft Total Volume: 0.992 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Serial #: 8524

Outside Mikol Oil, LLC

Burnt#3

DST Test Number: 3



Serial #: 6838

Inside

Mkol Oil, LLC

Burnt#3

DST Test Number: 3

