



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: 63189

DST#: 2

Test Start: 2017.05.12 @ 21:07:42

GENERAL INFORMATION:

Formation: **LKC "G"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 23:38:18
 Time Test Ended: 03:12:48
 Interval: **3387.00 ft (KB) To 3415.00 ft (KB) (TVD)**
 Total Depth: 3415.00 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

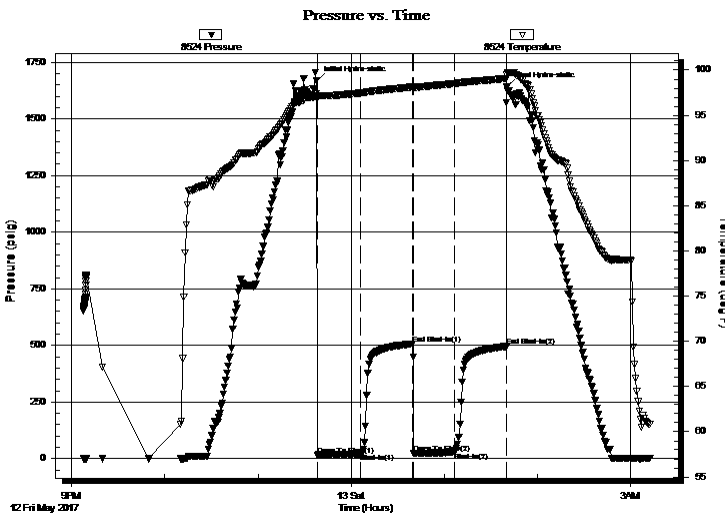
Serial #: 8524

Outside

Press@RunDepth: 27.94 psig @ 3388.00 ft (KB)
 Start Date: 2017.05.12 End Date: 2017.05.13
 Start Time: 21:07:43 End Time: 03:12:48
 Capacity: 8000.00 psig
 Last Calib.: 2017.05.13
 Time On Btm: 2017.05.12 @ 23:38:03
 Time Off Btm: 2017.05.13 @ 01:40:18

TEST COMMENT: 30- IF- Weak blow built slowly to 1.5"
 30- IS- No blow
 30- FF- Weak surface blow
 30- FSI- No blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1668.12	97.39	Initial Hydro-static
1	14.58	96.83	Open To Flow (1)
29	21.79	97.46	Shut-In(1)
62	506.41	98.13	End Shut-In(1)
63	22.96	98.05	Open To Flow (2)
89	27.94	98.49	Shut-In(2)
122	495.19	99.05	End Shut-In(2)
123	1643.35	99.48	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	SOCMW, 5%O 10%M 85%W	0.14

* 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:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	55000 ppm
Viscosity: 58.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.98 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 12000.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	SOCMW, 5%O 10%M 85%W	0.142

Total Length: 10.00 ft Total Volume: 0.142 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments: RW: .14@60deg

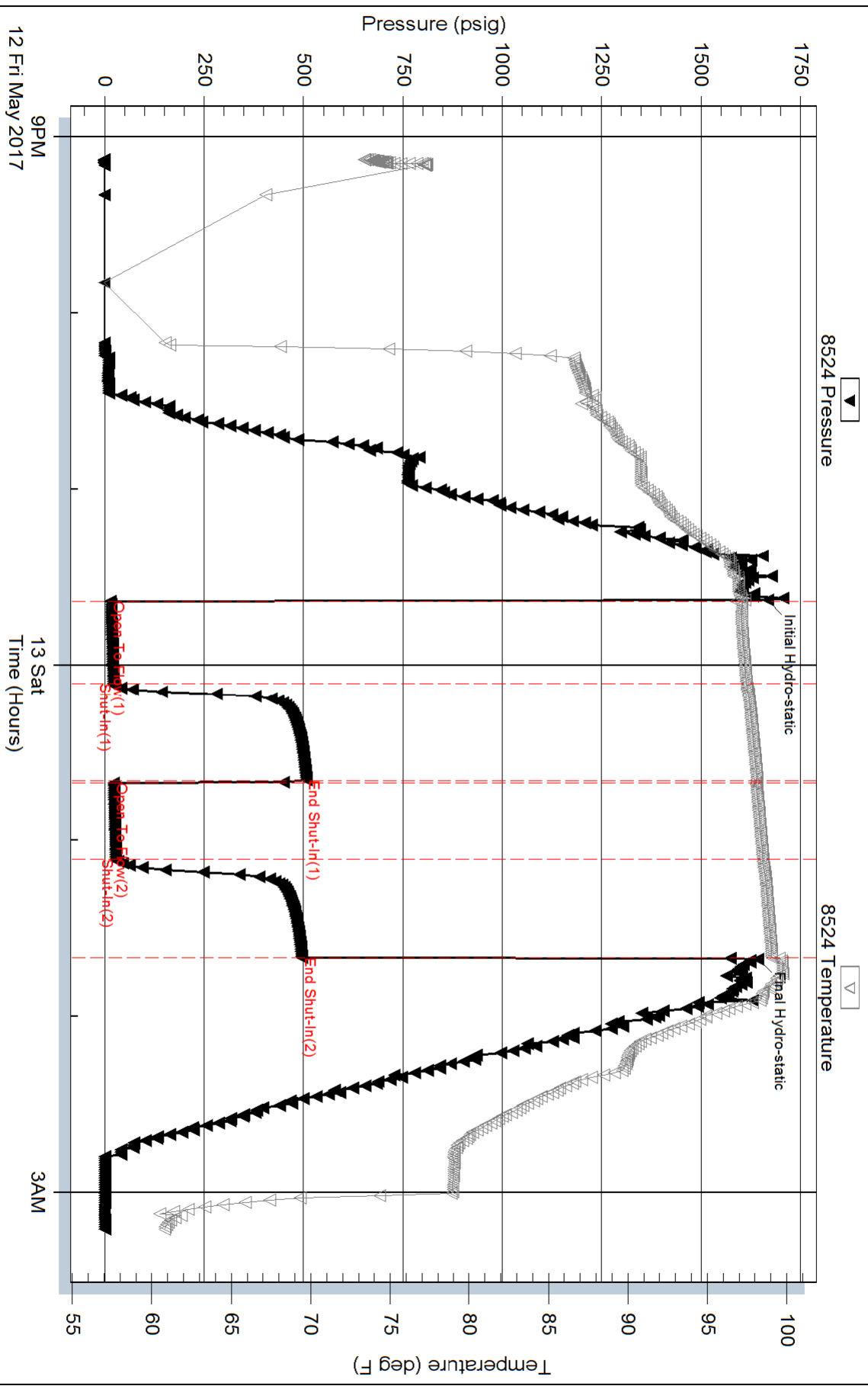
Serial #: 8524

Outside Mikol Oil, LLC

Burnt#3

DST Test Number: 2

Pressure vs. Time



Triobite Testing, Inc

Ref. No: 63189

Printed: 2017.05.13 @ 09:13:12

Serial #: 6838

Inside

Mkol Oil, LLC

Burnt#3

DST Test Number: 2

