



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Triple Crown Operating LLC

33 20s 22w Ness

2201 S Utica Pl Ste 100
Tulsa OK 74114-7099

Barricklow 1-33

ATTN: Rod Anderson

Job Ticket: 64930

DST#: 2

Test Start: 2016.06.09 @ 16:42:00

GENERAL INFORMATION:

Formation: **Miss**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 19:14:00
 Time Test Ended: 03:23:00
 Interval: **4250.00 ft (KB) To 4351.00 ft (KB) (TVD)**
 Total Depth: 4351.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Jim Svaty
 Unit No: 76
 Reference Elevations: 2189.00 ft (KB)
 2181.00 ft (CF)
 KB to GR/CF: 8.00 ft

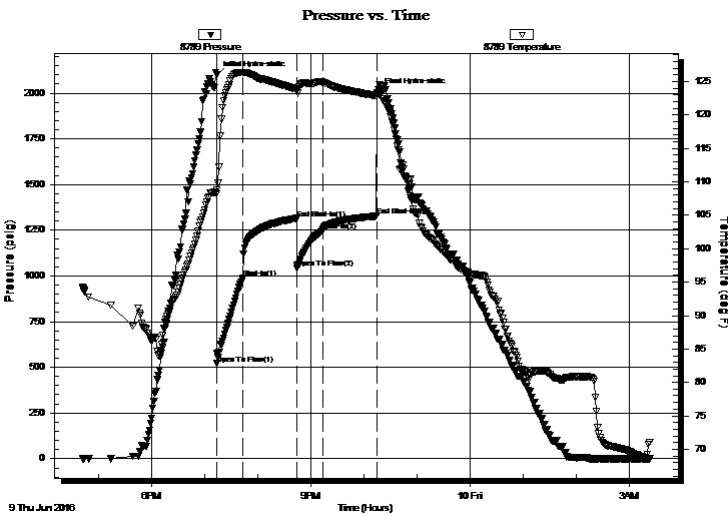
Serial #: 8789

Inside

Press@RunDepth: 1247.22 psig @ 4255.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2016.06.09 End Date: 2016.06.10 Last Calib.: 2016.06.10
 Start Time: 16:42:00 End Time: 03:23:13 Time On Btm: 2016.06.09 @ 19:13:13
 Time Off Btm: 2016.06.09 @ 22:14:58

TEST COMMENT: 30-IFP- BOB in 45sec.
 60-ISIP- No Blow
 30-FFP- BOB in 45sec.
 60-FSIP- No Blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2098.20	108.76	Initial Hydro-static
1	519.84	108.21	Open To Flow (1)
30	990.28	126.32	Shut-In(1)
91	1314.23	123.84	End Shut-In(1)
91	1042.06	123.58	Open To Flow (2)
121	1247.22	124.90	Shut-In(2)
181	1326.91	122.87	End Shut-In(2)
182	2003.99	123.23	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
496.00	Water 100%	5.86
372.00	MOCW 5%M 10%O 85%W	5.22
1178.00	GWCO 10%G 25%W 65%O	16.52
434.00	GMWCO 20%G 10%M 20%W 50%O	6.09
464.00	OCM 40%O 60%M	6.51

* 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:

37 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

32000 ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.94 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 12500.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
496.00	Water 100%	5.855
372.00	MOCW 5%M 10%O 85%W	5.218
1178.00	GWCO 10%G 25%W 65%O	16.524
434.00	GMWCO 20%G 10%M 20%W 50%O	6.088
464.00	OCM 40%O60%M	6.509

Total Length: 2944.00 ft Total Volume: 40.194 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: .220 @ 70

