



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Coachman Energy Oper.Co LLC
 1125 17th St
 Suite 410
 Denver Co 80202
 ATTN: Deb Smith,Charlie St

25-15s-20w Ellis
Leiker 3-25-15-20
 Job Ticket: 64138 **DST#: 2**
 Test Start: 2017.04.16 @ 02:35:14

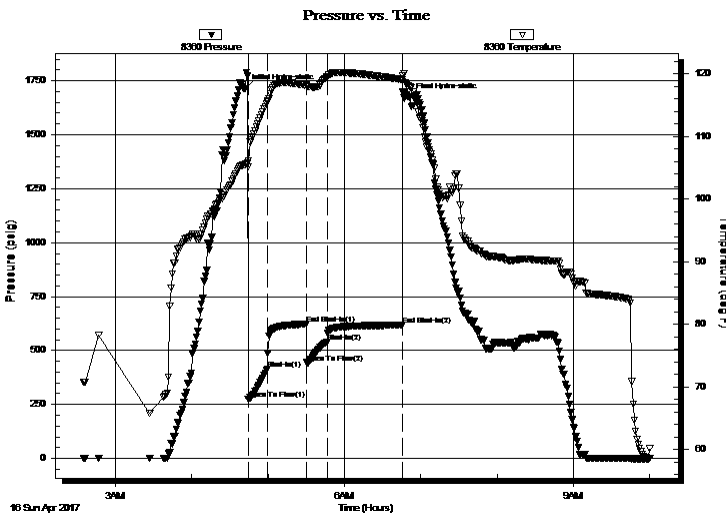
GENERAL INFORMATION:

Formation: **LKC G-K**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 04:44:24
 Time Test Ended: 10:00:23
 Interval: **3570.00 ft (KB) To 3670.00 ft (KB) (TVD)**
 Total Depth: 3670.00 ft (KB) (TVD)
 Hole Diameter: 7.85 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Ray Schwager
 Unit No: 77
 Reference Elevations: 2148.00 ft (KB)
 2141.00 ft (CF)
 KB to GR/CF: 7.00 ft

Serial #: 8360 **Inside**
 Press@RunDepth: 540.86 psig @ 3576.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2017.04.16 End Date: 2017.04.16 Last Calib.: 2017.04.16
 Start Time: 02:35:14 End Time: 10:00:23 Time On Btm: 2017.04.16 @ 04:42:24
 Time Off Btm: 2017.04.16 @ 06:50:54

TEST COMMENT: 15-IFP-BOB in 45 sec
 30-ISIP-BOB BL BK in 6min
 15-FFP-BOB Thru-out
 60-FSIP-BOB GTS in 5min

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1713.13	105.57	Initial Hydro-static
2	273.68	105.21	Open To Flow (1)
18	414.67	115.53	Shut-In(1)
48	622.67	118.22	End Shut-In(1)
48	444.39	118.14	Open To Flow (2)
64	540.86	119.52	Shut-In(2)
123	617.31	119.11	End Shut-In(2)
129	1673.45	118.02	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	Gas to Surface	0.00
1302.00	CO	18.26
62.00	MGO 30%G15%M55%O	0.87
62.00	MGO 30%G30%M40%O	0.87
30.00	O&GCM 5%G5%O90%M	0.42

* Recovery from multiple tests

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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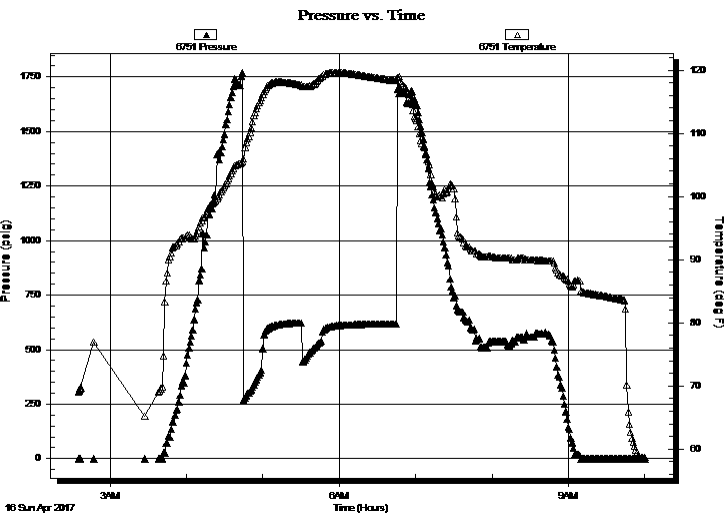
Test Type: Conventional Bottom Hole (Reset)
 Tester: Ray Schwager
 Unit No: 77

Reference Elevations: 2148.00 ft (KB)
 2141.00 ft (CF)
 KB to GR/CF: 7.00 ft

Serial #: 6751 Outside

Press@RunDepth: psig @ 3576.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2017.04.16 End Date: 2017.04.16 Last Calib.: 2017.04.16
 Start Time: 02:35:17 End Time: 10:00:11 Time On Btm:
 Time Off Btm:

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Recovery

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1302.00	CO	18.26
62.00	MGO 30%G15%M55%O	0.87
62.00	MGO 30%G30%M40%O	0.87
30.00	O&GCM 5%G5%O90%M	0.42

Gas Rates

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

* Recovery from multiple tests



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FLUID SUMMARY

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Job Ticket: 64138

DST#: 2

Test Start: 2017.04.16 @ 02:35:14

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

40 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbf

Water Loss: 6.00 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 600.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
0.00	Gas to Surface	0.000
1302.00	CO	18.264
62.00	MGO 30%G15%M55%O	0.870
62.00	MGO 30%G30%M40%O	0.870
30.00	O&GCM 5%G5%O90%M	0.421

Total Length: 1456.00 ft

Total Volume: 20.425 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

