



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Berexco LLC

23/9s/21w Graham KS

2020 N Bramblewood
Wichita, KS 67206

Balthazor A #3

Job Ticket: 45673

DST#: 2

ATTN: Bryan Bynog

Test Start: 2012.04.19 @ 13:20:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:50:30

Time Test Ended: 21:33:30

Test Type: Conventional Bottom Hole (Reset)

Tester: James Winder

Unit No: 57

Interval: 3684.00 ft (KB) To 3740.00 ft (KB) (TVD)

Reference Elevations: 2238.00 ft (KB)

Total Depth: 3740.00 ft (KB) (TVD)

2227.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 11.00 ft

Serial #: 6719

Inside

Press @ Run Depth: 1108.25 psig @ 3685.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.04.19

End Date: 2012.04.19

Last Calib.: 2012.04.19

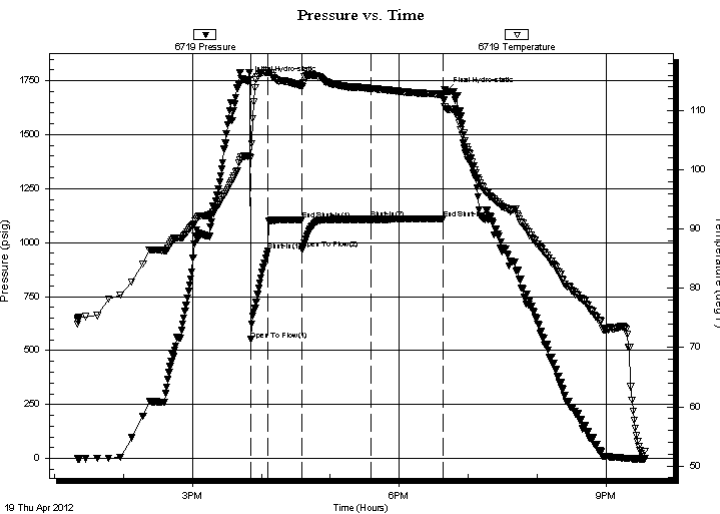
Start Time: 13:20:05

End Time: 21:33:29

Time On Btm: 2012.04.19 @ 15:48:00

Time Off Btm: 2012.04.19 @ 18:41:00

TEST COMMENT: 15 - IF: Blow built to BOB (11") in 30 sec.
30 - IS: Bled off, No blow back
60 - FF: Blow built to BOB in 40 sec., dead by 45 min.
60 - FS: No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1751.72	102.34	Initial Hydro-static
3	550.26	102.00	Open To Flow (1)
18	961.95	116.41	Shut-In(1)
47	1106.68	114.18	End Shut-In(1)
48	969.02	114.02	Open To Flow (2)
108	1108.25	113.75	Shut-In(2)
170	1109.27	112.73	End Shut-In(2)
173	1699.45	110.30	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1500.00	Water 98%w , 2%w, trace oil	16.09
250.00	M CW 89%w , 11%w, trace oil	3.51
560.00	W CM 72%w , 23%w , 5%g, trace oil	7.86
95.00	Mud w /trace oil 100%w	1.33

* Recovery from multiple tests

Gas Rates

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



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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:

32000 ppm

Viscosity: 49.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.75 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1500.00	Water 98%w , 2%m, trace oil	16.085
250.00	MCW 89%w , 11%m, trace oil	3.507
560.00	WCM 72%m, 23%w , 5%g, trace oil	7.855
95.00	Mud w /trace oil 100%m	1.333

Total Length: 2405.00 ft Total Volume: 28.780 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 6# LCM

RW = .279 ohms @ 55.3 deg F

Chlorides = 32,000 ppm

Pressure vs. Time

