



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Woolsey Operating Co. LLC

21-32s-12w Barber Ks

125 N. Market Suite 1000
Wichita Ks 67202

Kirkbride A-1

Job Ticket: 51842

DST#: 1

ATTN: Joel Gearhart

Test Start: 2014.01.13 @ 05:57:05

GENERAL INFORMATION:

Formation: **Miss.**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:29:05

Time Test Ended: 15:11:20

Test Type: Conventional Bottom Hole (Initial)

Tester: Gary Pevoteaux

Unit No: 53

Interval: 4394.00 ft (KB) To 4428.00 ft (KB) (TVD)

Reference Elevations: 1591.00 ft (KB)

Total Depth: 4428.00 ft (KB) (TVD)

1579.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 12.00 ft

Serial #: 6773 Outside

Press @ Run Depth: 63.76 psig @ 4395.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.01.13

End Date: 2014.01.13

Last Calib.: 2014.01.13

Start Time: 05:57:10

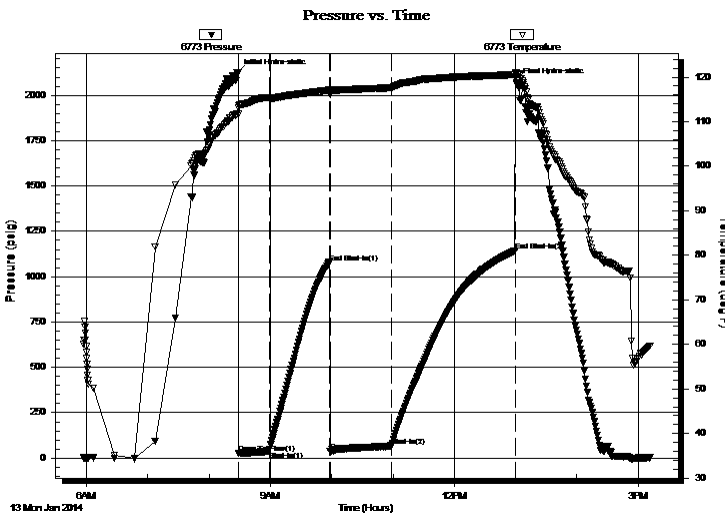
End Time: 15:11:20

Time On Btm: 2014.01.13 @ 08:27:35

Time Off Btm: 2014.01.13 @ 13:01:05

TEST COMMENT: IF: Strong blow . B.O.B in 6 1/2 mins.
IS: Weak blow . 1/4 to 1/2".
FF: Strong blow . B.O.B. in 5 sec.
FS: Weak blow . 1/4 to 3/4".

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2122.34	111.67	Initial Hydro-static
2	27.88	113.15	Open To Flow (1)
31	36.37	115.44	Shut-In(1)
90	1078.42	117.08	End Shut-In(1)
91	35.41	116.09	Open To Flow (2)
151	63.76	117.64	Shut-In(2)
272	1142.92	120.54	End Shut-In(2)
274	2069.24	120.83	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	GM&WCO 36%g 14%m 17%w 33%o	0.30
70.00	GOCM 23%g 35%o 42%m	0.34
0.00	1790 ft.of GIP	0.00

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:

4000 ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbf

Water Loss: 8.98 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
60.00	GM&WCO 36%g 14%m 17%w 33%o	0.295
70.00	GOCM 23%g 35%o 42%m	0.344
0.00	1790 ft.of GIP	0.000

Total Length: 130.00 ft

Total Volume: 0.639 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

