



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Berexco, LLC

2/1s/36w Rawlins KS

2020 Bramblewood
Wichita, KS 67206

Schwerdt #1-2

Job Ticket: 55889

DST#: 1

ATTN: Pete Vollmer

Test Start: 2014.01.12 @ 09:38:00

GENERAL INFORMATION:

Formation: **Oread**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:58:15

Time Test Ended: 22:21:00

Test Type: Conventional Bottom Hole (Initial)

Tester: James Winder

Unit No: 57

Interval: 3990.00 ft (KB) To 4044.00 ft (KB) (TVD)

Reference Elevations: 3182.00 ft (KB)

Total Depth: 4044.00 ft (KB) (TVD)

3169.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 13.00 ft

Serial #: 8671

Inside

Press@RunDepth: 387.76 psig @ 3991.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.01.12

End Date: 2014.01.12

Last Calib.: 2014.01.12

Start Time: 09:38:05

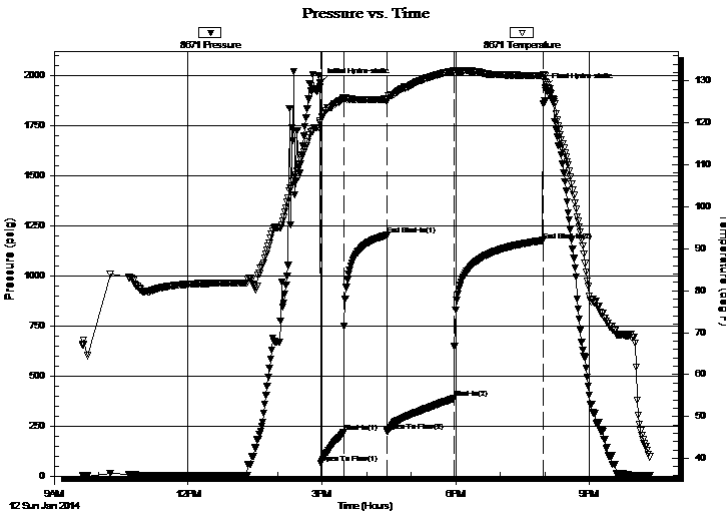
End Time: 22:21:00

Time On Btm: 2014.01.12 @ 14:57:45

Time Off Btm: 2014.01.12 @ 20:00:30

TEST COMMENT: 30 - IF: 3" Blow at open, built to BOB (11") in 16 1/2 min.
60 - IS: No blow back
90 - FF: Blow started at 2 min., built to BOB at 31 min.
120 - FS: No blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1963.85	120.46	Initial Hydro-static
1	62.80	120.41	Open To Flow (1)
32	218.47	125.93	Shut-In(1)
90	1202.52	125.65	End Shut-In(1)
90	223.00	125.03	Open To Flow (2)
181	387.76	132.37	Shut-In(2)
300	1175.87	131.25	End Shut-In(2)
303	1938.38	129.79	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
440.00	Water 93%w, 7%m	2.16
183.00	MCW 66%w, 34%m	1.76
93.00	WCM 65%m, 35%w	1.30
84.00	Mud 100%	1.18

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: 62.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.60 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 700.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
440.00	Water 93%w , 7%m	2.164
183.00	MCW 66%w , 34%m	1.756
93.00	WCM 65%m, 35%w	1.305
84.00	Mud 100%	1.178

Total Length: 800.00 ft Total Volume: 6.403 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW = .390 ohsm @ 39.2 deg F

Chlorides = 32,000 ppm

Pressure vs. Time

