



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Berexco LLC

10 1S 37W Cheyenne KS

2020 Bramblewood
Wichita KS 67206

Deyle 1-10

Job Ticket: 60166

DST#: 4

ATTN: Pete Vollmer

Test Start: 2014.09.24 @ 21:00:05

GENERAL INFORMATION:

Formation: **Pawnee**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:00:00

Time Test Ended: 07:28:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Robert Zodrow

Unit No: 49

Interval: 4434.00 ft (KB) To 4476.00 ft (KB) (TVD)

Reference Elevations: 3123.00 ft (KB)

Total Depth: 4476.00 ft (KB) (TVD)

3110.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 13.00 ft

Serial #: 6769 Outside

Press@RunDepth: 39.88 psig @ 4435.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.09.24

End Date:

2014.09.25

Last Calib.:

2014.09.25

Start Time:

21:00:05

End Time:

07:28:00

Time On Btm:

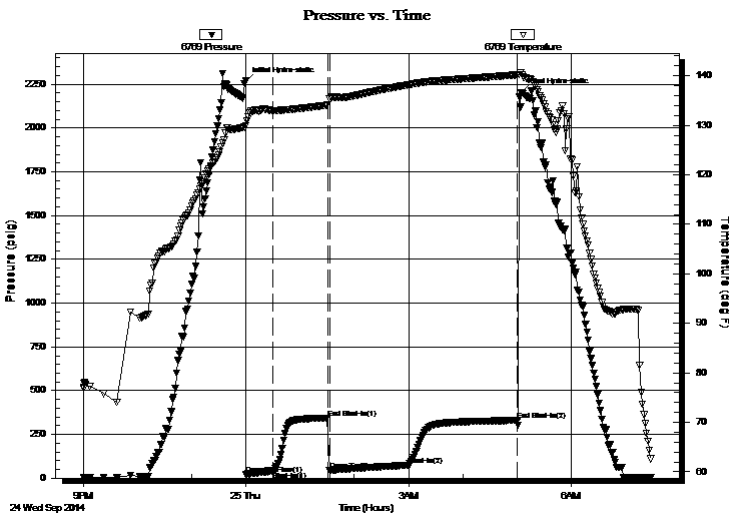
2014.09.24 @ 23:59:30

Time Off Btm:

2014.09.25 @ 05:04:30

TEST COMMENT: 30-IF- Blow built to 1 1/2"
60-IS- No return
90-FF- Blow started in 11 mins built to 6 1/2"
120-FS- No return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2267.97	129.95	Initial Hydro-static
1	21.23	129.88	Open To Flow (1)
31	39.88	132.99	Shut-In(1)
91	343.78	134.08	End Shut-In(1)
93	44.84	135.29	Open To Flow (2)
181	74.64	138.18	Shut-In(2)
301	329.65	140.19	End Shut-In(2)
305	2199.97	140.65	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
90.00	ocm 5%g 20%o 75%m	0.44
30.00	oil 5%g 95%o	0.15

Gas Rates

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

* Recovery from multiple tests



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FLUID SUMMARY

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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:

ppm

Viscosity: 103.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.20 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 900.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
90.00	ocm 5%g 20%o 75%m	0.443
30.00	oil 5%g 95%o	0.148

Total Length: 120.00 ft Total Volume: 0.591 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

