



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Berexco, LLC
 2020 N. Bramblewood
 Wichita, KS 67206
 ATTN: Bryan Bynog

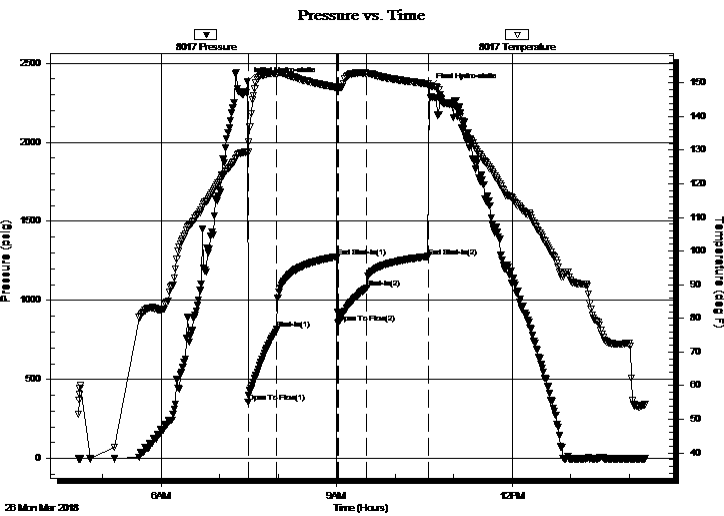
17/2s/37w Cheyenne KS
Park University#1-17
 Job Ticket: 63251 **DST#: 5**
 Test Start: 2018.03.26 @ 04:35:00

GENERAL INFORMATION:

Formation: **Lans. "E - F"**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 07:28:45 Tester: James Winder
 Time Test Ended: 14:16:15 Unit No: 83
 Interval: **4500.00 ft (KB) To 4600.00 ft (KB) (TVD)** Reference Elevations: 3402.00 ft (KB)
 Total Depth: 4600.00 ft (KB) (TVD) 3394.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 8.00 ft

Serial #: 8017 Outside
 Press@RunDepth: 1078.49 psig @ 4501.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2018.03.26 End Date: 2018.03.26 Last Calib.: 2018.03.26
 Start Time: 04:35:05 End Time: 14:16:15 Time On Btm: 2018.03.26 @ 07:28:15
 Time Off Btm: 2018.03.26 @ 10:34:30

TEST COMMENT: 30 - IF: Blow built to BOB (11") at 1 min., built to 176"
 60 - IS: No blow back
 30 - FF: Blow built to BOB at 2 1/4 min., built to 90"
 60 - FS: No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2382.19	129.62	Initial Hydro-static
1	355.76	129.41	Open To Flow (1)
30	815.60	152.82	Shut-In(1)
93	1276.75	148.59	End Shut-In(1)
93	858.10	148.38	Open To Flow (2)
123	1078.49	152.74	Shut-In(2)
186	1277.93	149.77	End Shut-In(2)
187	2346.62	149.28	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
975.00	SMCW 95%w, 5%m	9.43
435.00	MCW 90%w, 10%m	6.10
690.00	MCW 65%w, 35%m	9.68
375.00	WCM 90%m, 10%w	5.26

* Recovery from multiple tests

Gas Rates

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



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DST#: 5

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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:

28000 ppm

Viscosity: 56.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.00 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
975.00	SMCW 95%w, 5%m	9.432
435.00	MCW 90%w, 10%m	6.102
690.00	MCW 65%w, 35%m	9.679
375.00	WCM 90%m, 10%w	5.260

Total Length: 2475.00 ft Total Volume: 30.473 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW = .380 ohms @ 44.6 deg F Chlorides = 28,000 ppm

