



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Val Energy Inc LLC
 125 N Market St STE 1110
 Wichita, Ks. 67202
 ATTN: David Barker

31-30s-12w Barber Co. Ks.
Bouziden 1-31
 Job Ticket: 34002 **DST#: 2**
 Test Start: 2019.10.24 @ 03:27:17

GENERAL INFORMATION:

Formation: **Mississippi**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 05:47:32
 Time Test Ended: 12:34:47
 Interval: **4294.00 ft (KB) To 4356.00 ft (KB) (TVD)**
 Total Depth: 4356.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Matt Smith
 Unit No: 68
 Reference Elevations: 1823.00 ft (KB)
 1811.00 ft (CF)
 KB to GR/CF: 12.00 ft

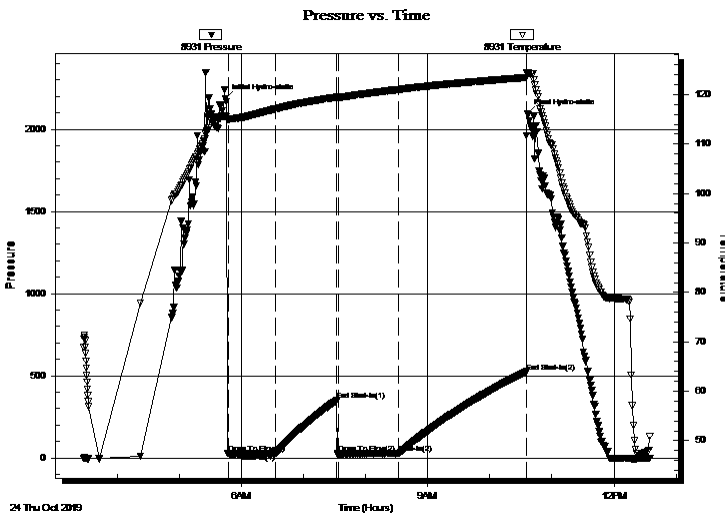
Serial #: 8931

Inside

Press@RunDepth: 28.82 psig @ 4295.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2019.10.24 End Date: 2019.10.24 Last Calib.: 2019.10.24
 Start Time: 03:27:22 End Time: 12:34:47 Time On Btm: 2019.10.24 @ 05:44:32
 Time Off Btm: 2019.10.24 @ 10:36:32

TEST COMMENT: IF: Strong Blow . B.O.B. in 12- mins. Built to 29.87".
 IS: No Blow .
 FF: Strong Blow . B.O.B., immediately. Built to 39.57".
 FS: No Blow .

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2184.80	115.58	Initial Hydro-static
3	27.21	114.96	Open To Flow (1)
49	27.50	117.10	Shut-In(1)
108	350.75	119.48	End Shut-In(1)
109	26.43	119.42	Open To Flow (2)
168	28.82	121.02	Shut-In(2)
291	525.42	123.44	End Shut-In(2)
292	2092.11	124.48	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	GM 3%g 97%m	0.46
0.00	667' G.I.P. 100%g	0.00

* Recovery from multiple tests

Gas Rates

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



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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:	4000 ppm
Viscosity: 60.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.18 in ³	Gas Cushion Type:		
Resistivity: 4000.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: ppm			
Filter Cake: 0.20 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	GM 3%g 97%m	0.457
0.00	667' G.I.P. 100%g	0.000

Total Length: 60.00 ft Total Volume: 0.457 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: None

Laboratory Name: Laboratory Location:

Recovery Comments:

