



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Sonoma Resources
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 ATTN: Bill Stout

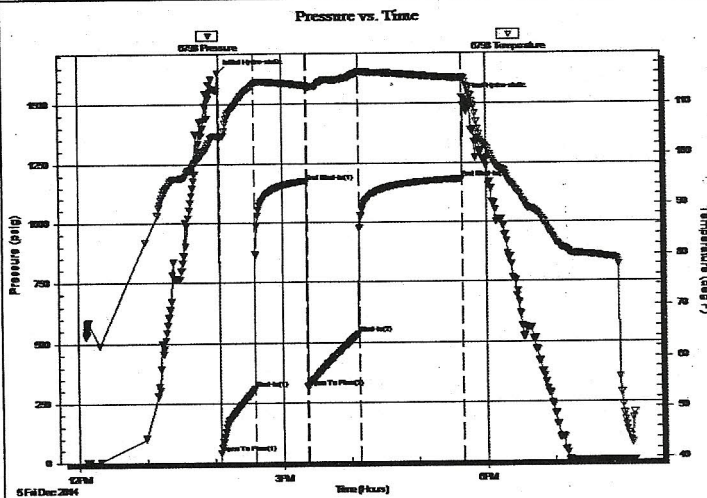
23-17S-1E Marion, KS
Unruh #1
 Job Ticket: 59890 **DST#: 2**
 Test Start: 2014.12.05 @ 12:07:18

GENERAL INFORMATION:

Formation: **Viola**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 14:05:03
 Time Test Ended: 20:10:48
 Interval: **3155.00 ft (KB) To 3202.00 ft (KB) (TVD)**
 Total Depth: 3202.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Leal Cason
 Unit No: 74
 Reference Elevations: 1460.00 ft (KB)
 1450.00 ft (CF)
 KB to GR/CF: 10.00 ft

Serial #: 6798 **Inside**
 Press@RunDepth: 536.09 psig @ 3156.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.12.05 End Date: 2014.12.05 Last Calib.: 2014.12.05
 Start Time: 12:07:19 End Time: 20:10:48 Time On Btm: 2014.12.05 @ 14:04:03
 Time Off Btm: 2014.12.05 @ 17:39:33

TEST COMMENT: IF: Fair Blow , BOB in 9 minutes
 IS: No Blow Back
 FF: Weak Blow , BOB in 12 minutes
 FSI: No Blow Back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1629.59	103.73	Initial Hydro-static
1	39.29	103.20	Open To Flow (1)
32	308.89	113.69	Shut-In(1)
78	1173.72	113.48	End Shut-In(1)
78	315.51	113.26	Open To Flow (2)
124	536.09	116.05	Shut-In(2)
216	1184.19	114.89	End Shut-In(2)
216	1524.35	114.99	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
372.00	Water	2.49
682.00	MCW 30%M 70%W	9.57
31.00	SOSWCM 2%O 28%W 70%M	0.43

* Recovery from multiple tests

Gas Rates

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