



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Brungardt Oil & Leasing, Inc.

22-11S-15W Russell, KS

213 W 7th
PO Box 871
Russell, KS 67665
ATTN: Roger Fischer

Miller #1

Job Ticket: 60922

DST#: 2

Test Start: 2014.10.19 @ 12:54:36

GENERAL INFORMATION:

Formation: **KC- "I-K"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 14:17:36
 Time Test Ended: 17:34:06
 Interval: **3150.00 ft (KB) To 3225.00 ft (KB) (TVD)**
 Total Depth: 3225.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Brannan Lonsdale
 Unit No: 62
 Reference Elevations: 1854.00 ft (KB)
 1849.00 ft (CF)
 KB to GR/CF: 5.00 ft

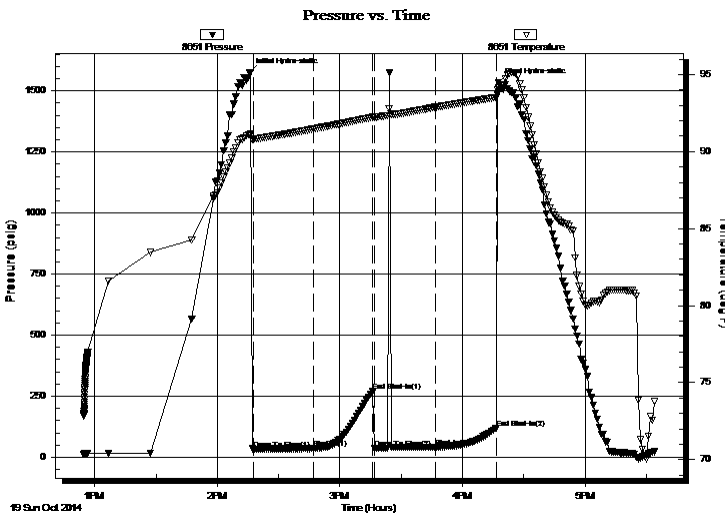
Serial #: 8651

Inside

Press @ Run Depth: 41.39 psig @ 3151.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.10.19 End Date: 2014.10.19 Last Calib.: 2014.10.19
 Start Time: 12:54:37 End Time: 17:34:06 Time On Btm: 2014.10.19 @ 14:15:36
 Time Off Btm: 2014.10.19 @ 16:17:36

TEST COMMENT: 30- IF- .5" blow throughout
 30- IS- No blow
 30- FF- No blow Flushed tool No blow
 30- FSI- No blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1575.33	91.12	Initial Hydro-static
2	33.97	90.86	Open To Flow (1)
32	35.76	91.47	Shut-In(1)
61	269.94	92.23	End Shut-In(1)
62	36.60	92.23	Open To Flow (2)
91	41.39	92.87	Shut-In(2)
121	119.58	93.52	End Shut-In(2)
122	1534.64	94.13	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	M	0.07

* 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

Mud Weight: 9.00 lb/gal

Viscosity: 52.00 sec/qt

Water Loss: 7.99 in³

Resistivity: ohm.m

Salinity: 6500.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	M	0.073

Total Length: 10.00 ft Total Volume: 0.073 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

