



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Outlaw Well Service LLC

17-8s-17w Rooks KS

1408 West 42nd
Hays KS, 67601

Schindler 1W

Job Ticket: 60643

DST#: 1

ATTN: Steve Reed

Test Start: 2014.11.27 @ 15:09:00

GENERAL INFORMATION:

Formation: **G Zone**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:50:15

Time Test Ended: 21:05:00

Test Type: Conventional Straddle (Initial)

Tester: Cody Bloedorn

Unit No: 73

Interval: 3116.00 ft (KB) To 3162.00 ft (KB) (TVD)

Reference Elevations: 1853.00 ft (KB)

Total Depth: 3370.00 ft (KB) (TVD)

1848.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8648

Inside

Press @ Run Depth: 265.85 psig @ 3120.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.11.27

End Date:

2014.11.27

Last Calib.:

2014.11.27

Start Time: 15:09:05

End Time:

21:04:59

Time On Btm:

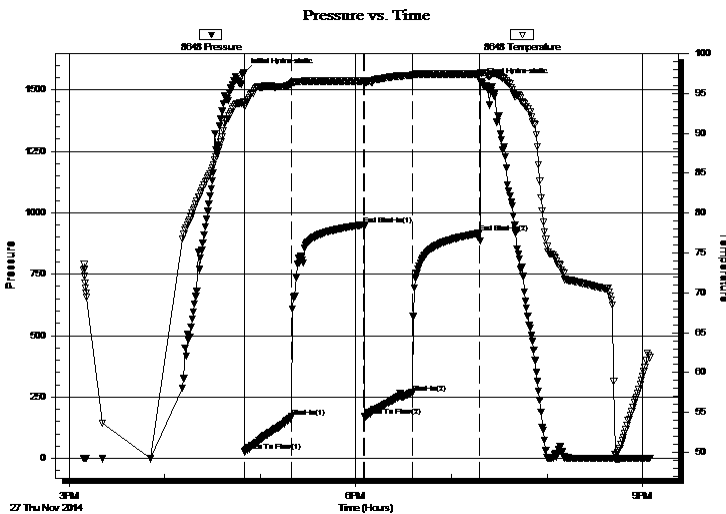
2014.11.27 @ 16:50:00

Time Off Btm:

2014.11.27 @ 19:18:15

TEST COMMENT: 30 - IF- B.O.B. in 7 minutes
45 - IS- No return
30 - FF- B.O.B. in 8 minutes
45 - FS- No return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1569.99	93.94	Initial Hydro-static
1	27.92	93.40	Open To Flow (1)
30	169.46	96.17	Shut-In(1)
75	950.98	96.57	End Shut-In(1)
76	170.93	96.31	Open To Flow (2)
106	265.85	97.23	Shut-In(2)
148	917.01	97.41	End Shut-In(2)
149	1530.76	97.63	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
496.00	Mud, 100%M	6.96

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:

ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3700.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
496.00	Mud, 100%M	6.958

Total Length: 496.00 ft Total Volume: 6.958 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

