



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Strata Exploration, Inc.
PO Box 401
Fairfield IL, 62837 - 0401
ATTN: Tom Pronold

21-29s-32w Haskell Co. KS

Leonard # 2-21

Job Ticket: 54614 **DST#: 1**
Test Start: 2014.02.20 @ 07:15:00

GENERAL INFORMATION:

Formation: **Morrow Sandstone**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:59:30

Time Test Ended: 16:03:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Jace McKinney

Unit No: 75

Interval: **5253.00 ft (KB) To 5355.00 ft (KB) (TVD)**

Reference Elevations: 2919.00 ft (KB)

Total Depth: 5355.00 ft (KB) (TVD)

2908.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 11.00 ft

Serial #: 8675

Inside

Press@RunDepth: 44.05 psig @ 5254.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.02.20 End Date: 2014.02.20

Last Calib.: 2014.02.20

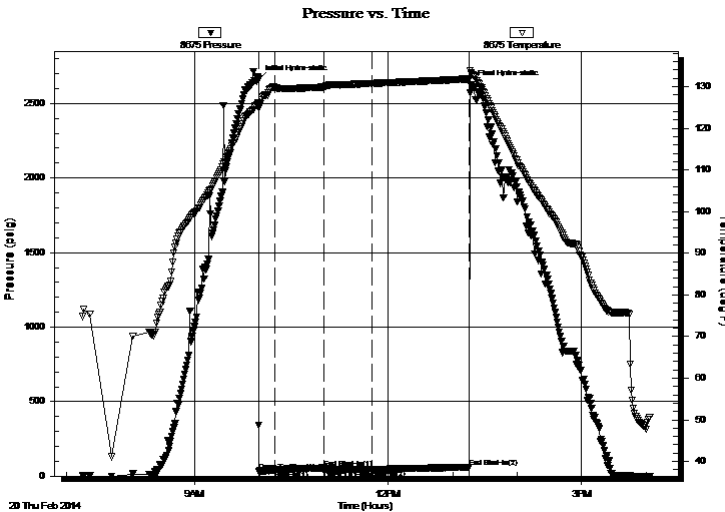
Start Time: 07:15:15 End Time: 16:03:30

Time On Btm: 2014.02.20 @ 09:59:00

Time Off Btm: 2014.02.20 @ 13:16:45

TEST COMMENT: B.O.B. in 7 min.
Bled off for 5 min. No return blow
Built to 8" blow in 25 min, slowly died to 6" blow
Bled off for 5 min. No return blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2663.74	126.18	Initial Hydro-static
1	29.34	125.49	Open To Flow (1)
16	37.75	129.83	Shut-In(1)
61	55.09	129.90	End Shut-In(1)
61	38.10	129.91	Open To Flow (2)
106	44.05	130.78	Shut-In(2)
197	59.98	131.87	End Shut-In(2)
198	2628.53	133.47	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	100% Mud	0.10
0.00	620 Very Weak Gas In Pipe	0.00

Gas Rates

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



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FLUID SUMMARY

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DST#: 1

ATTN: Tom Pronold

Test Start: 2014.02.20 @ 07:15:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 50.00 sec/qt
Water Loss: 7.60 in³
Resistivity: ohm.m
Salinity: 2200.00 ppm
Filter Cake: 1.00 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

Oil API: deg API
Water Salinity: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	100% Mud	0.098
0.00	620 Very Weak Gas In Pipe	0.000

Total Length: 20.00 ft Total Volume: 0.098 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

