



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Jason Oil Company
3718 83 RD ST
PO Box 701
Russell KS, 67665-0701
ATTN: Jeff Lawler

6-19s-24w Ness Co, KS

Popp #3

Job Ticket: 54577

DST#: 1

Test Start: 2013.11.21 @ 02:15:00

GENERAL INFORMATION:

Formation: **Miss**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:01:45

Time Test Ended: 10:26:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Jace McKinney

Unit No: 46

Interval: 4352.00 ft (KB) To 4410.00 ft (KB) (TVD)

Reference Elevations: 2368.00 ft (KB)

Total Depth: 4410.00 ft (KB) (TVD)

2358.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 10.00 ft

Serial #: 8675 Inside

Press @ Run Depth: 350.76 psig @ 4353.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.11.21

End Date: 2013.11.21

Last Calib.: 2013.11.21

Start Time: 02:15:15

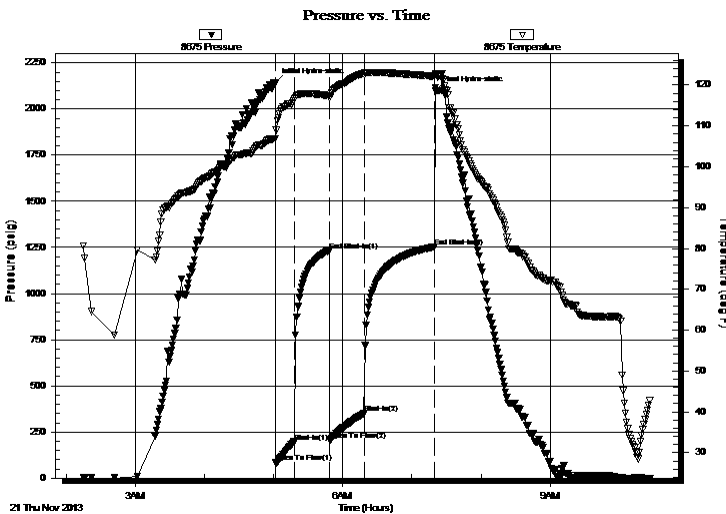
End Time: 10:26:30

Time On Btm: 2013.11.21 @ 05:01:15

Time Off Btm: 2013.11.21 @ 07:20:45

TEST COMMENT: B.O.B. in 2 1/2 min.
Bled off for 5 min, Weak surface return blow
B.O.B. in 4 min.
Bled off for 5 min, Very weak surface return blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2141.28	106.78	Initial Hydro-static
1	84.78	106.80	Open To Flow (1)
17	196.75	116.55	Shut-In(1)
47	1234.23	117.38	End Shut-In(1)
48	207.21	116.93	Open To Flow (2)
78	350.76	122.80	Shut-In(2)
139	1253.08	122.15	End Shut-In(2)
140	2101.29	122.85	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
126.00	mcw 40%M 60%W	1.49
126.00	gcom 25%G 25%O 50%M	1.77
252.00	ocg 40%O 60%G	3.53
189.00	w cgom 5%W 20%G 35%O 40%M	2.65
126.00	w com 5%W 45%O 50%M	1.77

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: 10.00 lb/gal
Viscosity: 65.00 sec/qt
Water Loss: 9.99 in³
Resistivity: ohm.m
Salinity: 5000.00 ppm
Filter Cake: inches

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

Oil API: 35 deg API
Water Salinity: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
126.00	mcw 40%M 60%W	1.485
126.00	gcom 25%G 25%O 50%M	1.767
252.00	ocg 40%O 60%G	3.535
189.00	w cgom 5%W 20%G 35%O 40%M	2.651
126.00	w com 5%W 45%O 50%M	1.767

Total Length: 819.00 ft Total Volume: 11.205 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments: RW: .30 @ 30 F = 45,000

API: 31 @ 20 F = 35

Pressure vs. Time

