



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Wold Oil Properties  
 139 W 2nd. St STE 200  
 Casper Wy. 82601  
 ATTN: Robert Hendrix

**2-13-35 Logan KS**  
**Sirvta #1-2**  
 Job Ticket: 43215      **DST#: 2**  
 Test Start: 2011.10.11 @ 10:57:15

## GENERAL INFORMATION:

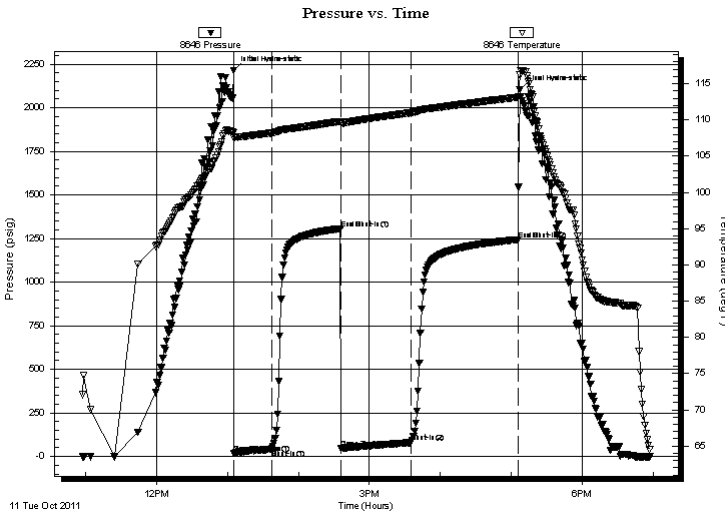
Formation: **Altamont**  
 Deviated: No Whipstock: ft (KB)  
 Test Type: Conventional Bottom Hole (Reset)  
 Time Tool Opened: 13:05:30  
 Tester: Mike Roberts  
 Time Test Ended: 18:57:45  
 Unit No: 48  
 Interval: **4272.00 ft (KB) To 4310.00 ft (KB) (TVD)**  
 Reference Elevations: 3057.00 ft (KB)  
 Total Depth: 4310.00 ft (KB) (TVD)  
 3047.00 ft (CF)  
 Hole Diameter: 7.88 inches  
 Hole Condition: Fair  
 KB to GR/CF: 10.00 ft

## Serial #: 8646

Press @ Run Depth: 79.97 psig @ ft (KB)      Capacity: 8000.00 psig  
 Start Date: 2011.10.11      End Date: 2011.10.11      Last Calib.: 2011.10.11  
 Start Time: 10:57:15      End Time: 18:57:45      Time On Btm: 2011.10.11 @ 13:05:15  
 Time Off Btm: 2011.10.11 @ 17:07:15

TEST COMMENT: IF: Built to 3 3/4" blow  
 IS: Very weak surface blow  
 FF: Built to 5 1/2" blow  
 FS: Weak return blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2214.28	108.28	Initial Hydro-static
1	19.77	107.48	Open To Flow (1)
32	41.84	108.20	Shut-In(1)
91	1305.98	109.82	End Shut-In(1)
91	48.39	109.57	Open To Flow (2)
150	79.97	111.00	Shut-In(2)
241	1243.94	113.14	End Shut-In(2)
242	2106.32	116.20	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
91.00	mco 3% m 97% o	0.45
93.00	ocm 40% o 60% m	0.46

\* Recovery from multiple tests

## Gas Rates

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



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**FLUID SUMMARY**

Wold Oil Properties

**2-13-35 Logan KS**

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Casper Wy. 82601

**Sirvta #1-2**

Job Ticket: 43215

**DST#: 2**

ATTN: Robert Hendrix

Test Start: 2011.10.11 @ 10:57:15

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

31 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.20 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 7500.00 ppm

Filter Cake: 2.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
91.00	mco 3% <i>m</i> 97% <i>o</i>	0.448
93.00	ocm 40% <i>o</i> 60% <i>m</i>	0.457

Total Length: 184.00 ft      Total Volume: 0.905 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: API= 32@70 corrected to 31 @60

