

**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Resource Development Technology LLC.

1-16s-45w-Cheyenne Co, Colorado

P.O. Box 1020
Morrison, Co 80465

Nininger #11-1-1645

Job Ticket: 55531

DST#: 4

ATTN: Phil Askey

Test Start: 2013.10.18 @ 03:48:00

GENERAL INFORMATION:

Formation: **Spergen**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:15:40

Time Test Ended: 12:30:19

Test Type: Conventional Bottom Hole (Reset)

Tester: Chuck Smith

Unit No: 62

Interval: 5364.00 ft (KB) To 5420.00 ft (KB) (TVD)

Total Depth: 5420.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 4356.00 ft (KB)

4345.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 6741 Inside

Press @ Run Depth: 181.05 psig @ 5383.00 ft (KB)

Start Date: 2013.10.18

End Date:

2013.10.18

Start Time: 03:48:02

End Time:

12:30:19

Capacity: 8000.00 psig

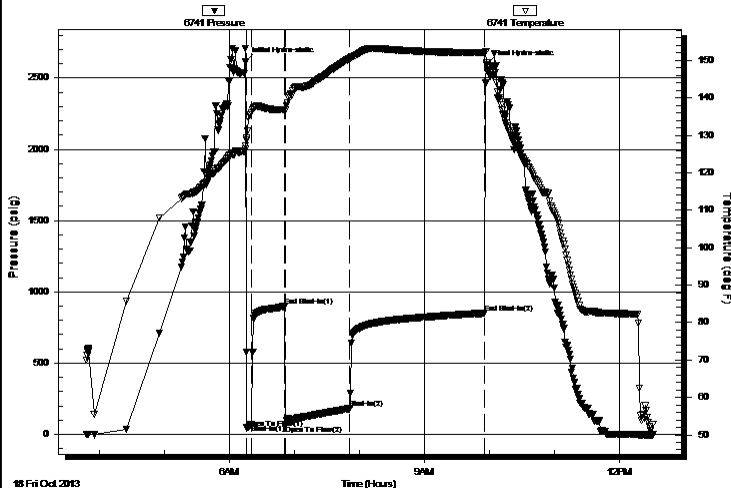
Last Calib.: 2013.10.18

Time On Btm: 2013.10.18 @ 06:14:30

Time Off Btm: 2013.10.18 @ 09:57:20

TEST COMMENT: 4" Blow .
Surface return.
B.O.B. @ 14 min.
3" Return receded to surface.

Pressure vs. Time



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 2612.69 | 127.13 | Initial Hydro-static |
| 2 | 45.62 | 129.23 | Open To Flow (1) |
| 6 | 70.64 | 136.08 | Shut-In(1) |
| 37 | 897.78 | 136.81 | End Shut-In(1) |
| 37 | 65.41 | 136.76 | Open To Flow (2) |
| 97 | 181.05 | 150.48 | Shut-In(2) |
| 221 | 849.58 | 152.06 | End Shut-In(2) |
| 223 | 2596.19 | 149.48 | Final Hydro-static |

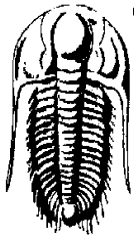
Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-----------------|--------------|
| 61.00 | GOCM 20g 2o 78m | 0.30 |
| 120.00 | GMCO 15g 5m 80o | 0.59 |
| 125.00 | GO 25g 75o | 1.75 |
| 125.00 | GO 20g 80o | 1.75 |
| 0.00 | 750' GIP | 0.00 |

Gas Rates

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

* Recovery from multiple tests



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FLUID SUMMARY

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DST#: 4

ATTN: Phil Askey

Test Start: 2013.10.18 @ 03:48:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

38 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 58.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|-----------------|---------------|
| 61.00 | GOCM 20g 2o 78m | 0.300 |
| 120.00 | GMCO 15g 5m 80o | 0.590 |
| 125.00 | GO 25g 75o | 1.753 |
| 125.00 | GO 20g 80o | 1.753 |
| 0.00 | 750' GIP | 0.000 |

Total Length: 431.00 ft

Total Volume: 4.396 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: API: 39 @ 50 Degrees F = 38.

Serial #: 6741

Inside

Resource Development Technology LLC.

Nininger #11-1-1645

DST Test Number: 4

