



**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: 54519

DST#: 2

ATTN: Phil Askey

Test Start: 2013.10.13 @ 19:01:00

GENERAL INFORMATION:

Formation: **Pleasanton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:34:30

Time Test Ended: 03:11:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Cornelio Landa III (

Unit No: 62

Interval: 4667.00 ft (KB) To 4680.00 ft (KB) (TVD)

Total Depth: 4680.00 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: 146.32 psig @ 4672.00 ft (KB)

Start Date: 2013.10.13

End Date:

2013.10.14

Start Time: 19:01:02

End Time:

03:11:30

Capacity: 8000.00 psig

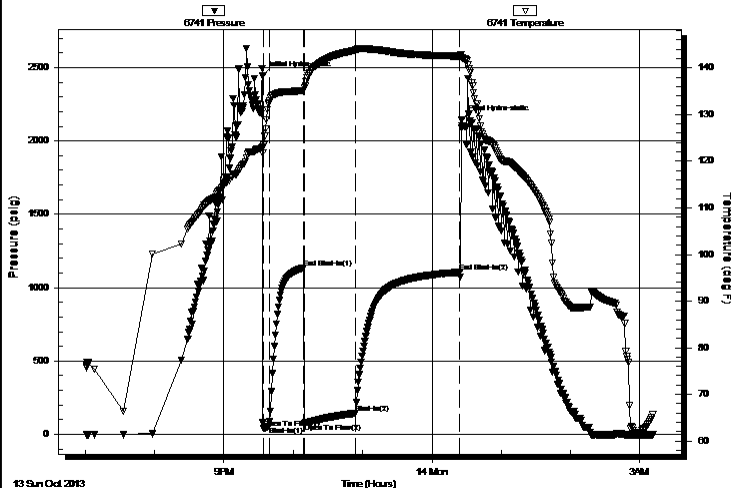
Last Calib.: 2013.10.14

Time On Btm: 2013.10.13 @ 21:33:30

Time Off Btm: 2013.10.14 @ 00:25:50

TEST COMMENT: IF: B.o.b. in 2 mins.15 sec.
ISl: Bled off in 3 mins.- 2 in. of Blow back
FF: B.o.b. in 7 mins. 15 sec.
FSl: Bled off in 1 1/2 mins.- 1/2 in. of Blow back

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2444.79	123.03	Initial Hydro-static
1	41.10	123.43	Open To Flow (1)
6	57.47	132.57	Shut-In(1)
36	1134.40	135.10	End Shut-In(1)
37	76.23	135.71	Open To Flow (2)
81	146.32	143.82	Shut-In(2)
171	1106.03	142.52	End Shut-In(2)
173	2146.71	142.22	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
61.00	Gw 5g 95w	0.30
120.00	Mcgw 10m 20g 70w	0.59
126.00	Gocm 20g 30o 50m	1.77
0.00	Rw .19@51=52000	0.00
0.00	630 GIP	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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* Recovery from multiple tests



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FLUID SUMMARY

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DST#: 2

ATTN: Phil Askey

Test Start: 2013.10.13 @ 19:01:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 57.00 sec/qt

Water Loss: 8.74 in³

Resistivity: ohm.m

Salinity: 2600.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity:

deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
61.00	Gw 5g 95w	0.300
120.00	Mcgw 10m 20g 70w	0.590
126.00	Gocm 20g 30o 50m	1.767
0.00	Rw .19@51=52000	0.000
0.00	630 GIP	0.000

Total Length: 307.00 ft Total Volume: 2.657 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Lcm #15-Dropped a Pill down hole prior to TOH

Serial #: 6741

Inside

Resource Development Technology LLC.

Nininger #11-1-1645

DST Test Number: 2

