



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Samuel Gary Jr. & Assoc.

Juno 1-15

1515 Wynkoop Ste. 700
Denver, Co 80202

15/17S/16W-Rush

Job Ticket: 41076

DST#: 1

ATTN: Clayton Camozzi

Test Start: 2010.10.05 @ 00:45:47

GENERAL INFORMATION:

Formation: **LKC**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:27:47

Time Test Ended: 10:35:17

Test Type: Conventional Bottom Hole

Tester: Dustin Rash

Unit No: 31

Interval: 3306.00 ft (KB) To 3356.00 ft (KB) (TVD)

Reference Elevations: 2009.00 ft (KB)

Total Depth: 3356.00 ft (KB) (TVD)

2000.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 9.00 ft

Serial #: 8352 Outside

Press @ Run Depth: 101.71 psig @ 3345.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2010.10.05

End Date:

2010.10.05

Last Calib.:

2010.10.05

Start Time: 00:45:52

End Time:

10:35:17

Time On Btm:

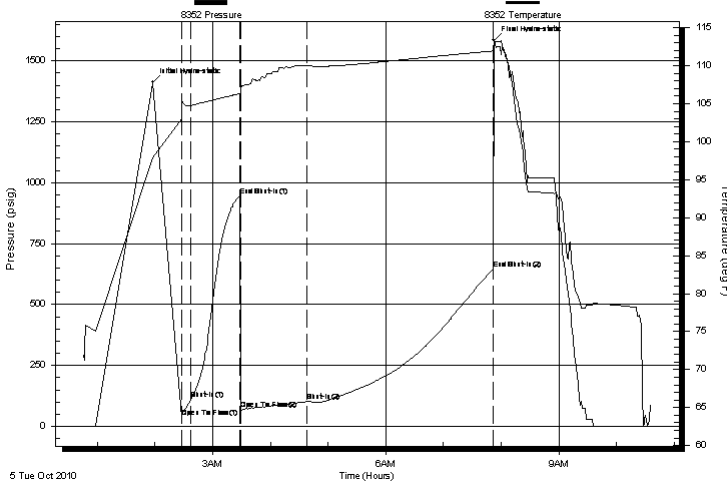
2010.10.05 @ 01:57:47

Time Off Btm:

2010.10.05 @ 07:52:26

TEST COMMENT: IF-Weak building blow . Built to 3 inches.
IS-No Return.
FF-Fair building blow . Built to 8 inches.
FS-No Return.

Pressure vs. Time



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 1411.20 | 97.92 | Initial Hydro-static |
| 30 | 38.17 | 103.03 | Open To Flow (1) |
| 40 | 109.70 | 104.78 | Shut-In(1) |
| 91 | 945.16 | 106.32 | End Shut-In(1) |
| 92 | 72.06 | 106.92 | Open To Flow (2) |
| 161 | 101.71 | 109.98 | Shut-In(2) |
| 355 | 646.76 | 111.94 | End Shut-In(2) |
| 355 | 1584.08 | 112.78 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|----------------------|--------------|
| 120.00 | 60%Mud/20%Oil/20%Gas | 1.68 |
| 40.00 | 100%Mud/Oil-skim | 0.56 |
| | | |
| | | |
| | | |

Gas Rates

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



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FLUID SUMMARY

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Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 45.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.20 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5400.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|----------------------|---------------|
| 120.00 | 60%Mud/20%Oil/20%Gas | 1.683 |
| 40.00 | 100%Mud/Oil-skim | 0.561 |

Total Length: 160.00 ft

Total Volume: 2.244 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

