



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Chaco Energy Company

**21-13s-32w Logan county**

P.O. Box. 1587  
Denver Co, 80201

**Scheetz 5-21**

Job Ticket: 57490

**DST#: 4**

ATTN: Austin G.

Test Start: 2014.10.28 @ 19:45:00

## GENERAL INFORMATION:

Formation: **Johnson**

Deviated: No Whipstock: 0.00 ft (KB)

Time Tool Opened: 22:05:00

Time Test Ended: 02:47:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Justin Harris

Unit No: 58

**Interval: 4529.00 ft (KB) To 4580.00 ft (KB) (TVD)**

Reference Elevations: 3023.00 ft (KB)

Total Depth: 4580.00 ft (KB) (TVD)

3011.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 12.00 ft

**Serial #: 8319**

**Inside**

Press@RunDepth: 29.34 psig @ 4563.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.10.28

End Date:

2014.10.29

Last Calib.: 2014.10.29

Start Time: 19:45:01

End Time:

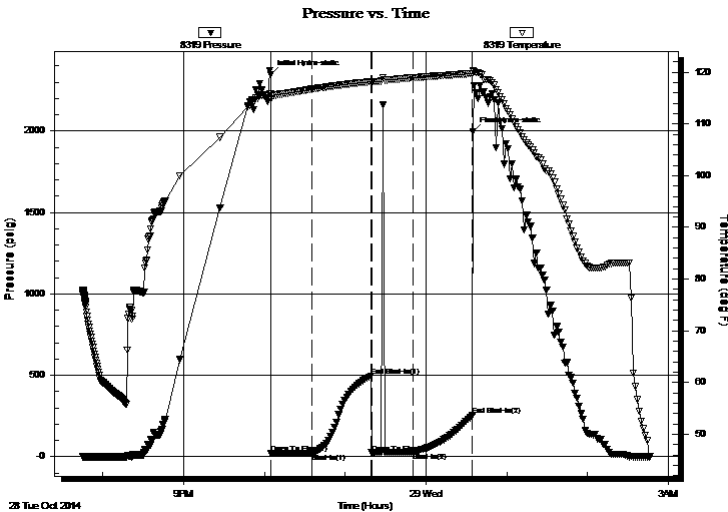
02:47:00

Time On Btm: 2014.10.28 @ 22:04:30

Time Off Btm: 2014.10.29 @ 00:35:00

**TEST COMMENT:** 30: Weak Surface blow died in 17 mins.  
45: No Return.  
30: No Blow Flush tool then no blow .  
45: No Return.

## PRESSURE SUMMARY



| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 2348.32         | 115.85       | Initial Hydro-static |
| 1           | 19.47           | 114.91       | Open To Flow (1)     |
| 31          | 23.30           | 116.69       | Shut-In(1)           |
| 75          | 495.73          | 118.15       | End Shut-In(1)       |
| 75          | 24.55           | 118.05       | Open To Flow (2)     |
| 106         | 29.34           | 118.92       | Shut-In(2)           |
| 150         | 255.66          | 119.75       | End Shut-In(2)       |
| 151         | 1996.05         | 120.34       | Final Hydro-static   |

## Recovery

| Length (ft) | Description         | Volume (bbl) |
|-------------|---------------------|--------------|
| 10.00       | mud w ith oil spots | 0.05         |
|             |                     |              |
|             |                     |              |
|             |                     |              |
|             |                     |              |

\* Recovery from multiple tests

## Gas Rates

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



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## FLUID SUMMARY

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**Scheetz 5-21**

Job Ticket: 57490

**DST#: 4**

ATTN: Austin G.

Test Start: 2014.10.28 @ 19:45:00

### Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 57.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4800.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

| Length<br>ft | Description         | Volume<br>bbl |
|--------------|---------------------|---------------|
| 10.00        | mud w ith oil spots | 0.049         |

Total Length: 10.00 ft      Total Volume: 0.049 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

