



**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: 57488

**DST#: 2**

ATTN: Austin G.

Test Start: 2014.10.26 @ 09:20:00

## GENERAL INFORMATION:

Formation: **Lansing H,I,J**

Deviated: No Whipstock: 0.00 ft (KB)

Time Tool Opened: 12:17:00

Time Test Ended: 18:30:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Justin Harris

Unit No: 58

**Interval: 4148.00 ft (KB) To 4240.00 ft (KB) (TVD)**

Reference Elevations: 3023.00 ft (KB)

Total Depth: 4240.00 ft (KB) (TVD)

3011.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 12.00 ft

**Serial #: 6625 Outside**

Press @ Run Depth: 245.73 psig @ 4236.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.10.26

End Date: 2014.10.26

Last Calib.: 2014.10.26

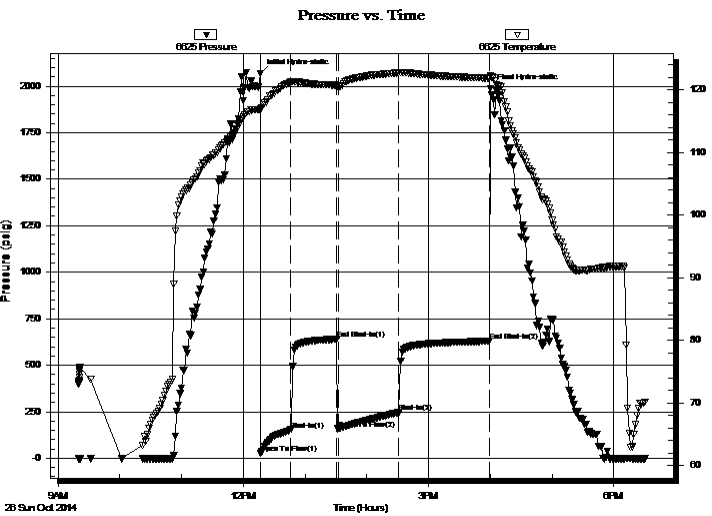
Start Time: 09:20:01

End Time: 18:30:00

Time On Btm: 2014.10.26 @ 12:16:30

Time Off Btm: 2014.10.26 @ 16:00:00

**TEST COMMENT:** 30: B.O.B in 15 mins.  
45: Weak surface blow to 1".  
60: B.O.B in 17 mins.  
90: No Return.



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2067.39	116.96	Initial Hydro-static
1	26.51	116.67	Open To Flow (1)
29	150.13	121.20	Shut-In(1)
75	639.61	120.72	End Shut-In(1)
76	158.49	120.56	Open To Flow (2)
135	245.73	122.71	Shut-In(2)
223	629.33	121.87	End Shut-In(2)
224	1987.77	122.19	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
250.00	gmcw 5%g 5%m 90%w	1.23
126.00	gmocw 1%o 5%g 1-%m 84%w	1.77
108.00	gow cm 5%g 10%o 30%w 55%m	1.51
30.00	gas clean oil 5%g 95%o	0.42

\* Recovery from multiple tests

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Chaco Energy Company

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

P.O. Box. 1587  
Denver Co, 80201

**Scheetz 5-21**

Job Ticket: 57488

**DST#: 2**

ATTN: Austin G.

Test Start: 2014.10.26 @ 09:20:00

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

38 deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

60000 ppm

Viscosity: 47.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.98 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
250.00	gmcw 5%g 5%m 90%w	1.229
126.00	gmocw 1%o 5%g 1-%m 84%w	1.767
108.00	gow cm 5%g 10%o 30%w 55%m	1.515
30.00	gas clean oil 5%g 95%o	0.421

Total Length: 514.00 ft

Total Volume: 4.932 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: API RW .09 @ 91 F = 60000 Chlorides

