



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Cholla Production, LLC

32 19s 33w Scott, Ks

7851 S Elati St. STE 201
Littleton, Co 80120

Bontrager RT 1-32

ATTN: Bill Goff

Job Ticket: 49773

DST#: 1

Test Start: 2012.11.21 @ 00:57:00

GENERAL INFORMATION:

Formation: **Kansas City**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:04:00

Time Test Ended: 07:37:45

Test Type: Conventional Bottom Hole (Initial)

Tester: Bradley Walter

Unit No: 53

Interval: 4125.00 ft (KB) To 4172.00 ft (KB) (TVD)

Reference Elevations: 2991.00 ft (KB)

Total Depth: 4172.00 ft (KB) (TVD)

2986.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8522 Outside

Press @ Run Depth: 154.88 psig @ 4126.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.11.21

End Date:

2012.11.21

Last Calib.: 2012.11.21

Start Time: 00:57:05

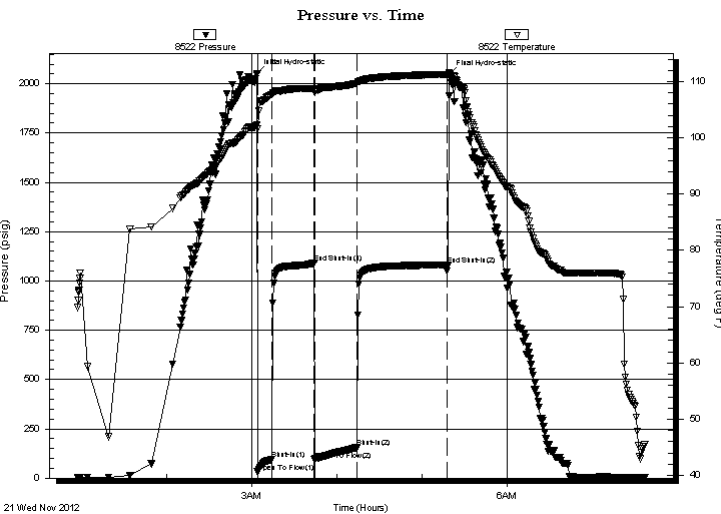
End Time:

07:37:44

Time On Btm: 2012.11.21 @ 03:03:45

Time Off Btm: 2012.11.21 @ 05:19:30

TEST COMMENT: IF: 9" blow.
IS: No return.
FF: BOB @ 18 min.
FS: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2053.01	102.19	Initial Hydro-static
1	31.73	101.60	Open To Flow (1)
11	95.26	107.74	Shut-In(1)
41	1090.11	108.70	End Shut-In(1)
41	92.87	108.14	Open To Flow (2)
71	154.88	109.71	Shut-In(2)
134	1080.76	111.28	End Shut-In(2)
136	2044.99	111.62	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
240.00	mcw 45m 55w (oil spots)	2.24
3.00	free oil	0.04
0.00	60' Gassy oder	0.00

Gas Rates

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



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FLUID SUMMARY

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DST#: 1

ATTN: Bill Goff

Test Start: 2012.11.21 @ 00:57:00

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:

51000 ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3400.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
240.00	mcw 45m 55w (oil spots)	2.237
3.00	free oil	0.042
0.00	60' Gassy oder	0.000

Total Length: 243.00 ft Total Volume: 2.279 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: rw is .230 @ 45 = 51,000ppm

Sampler 100mL M 100mL O 1800mL W 325psi

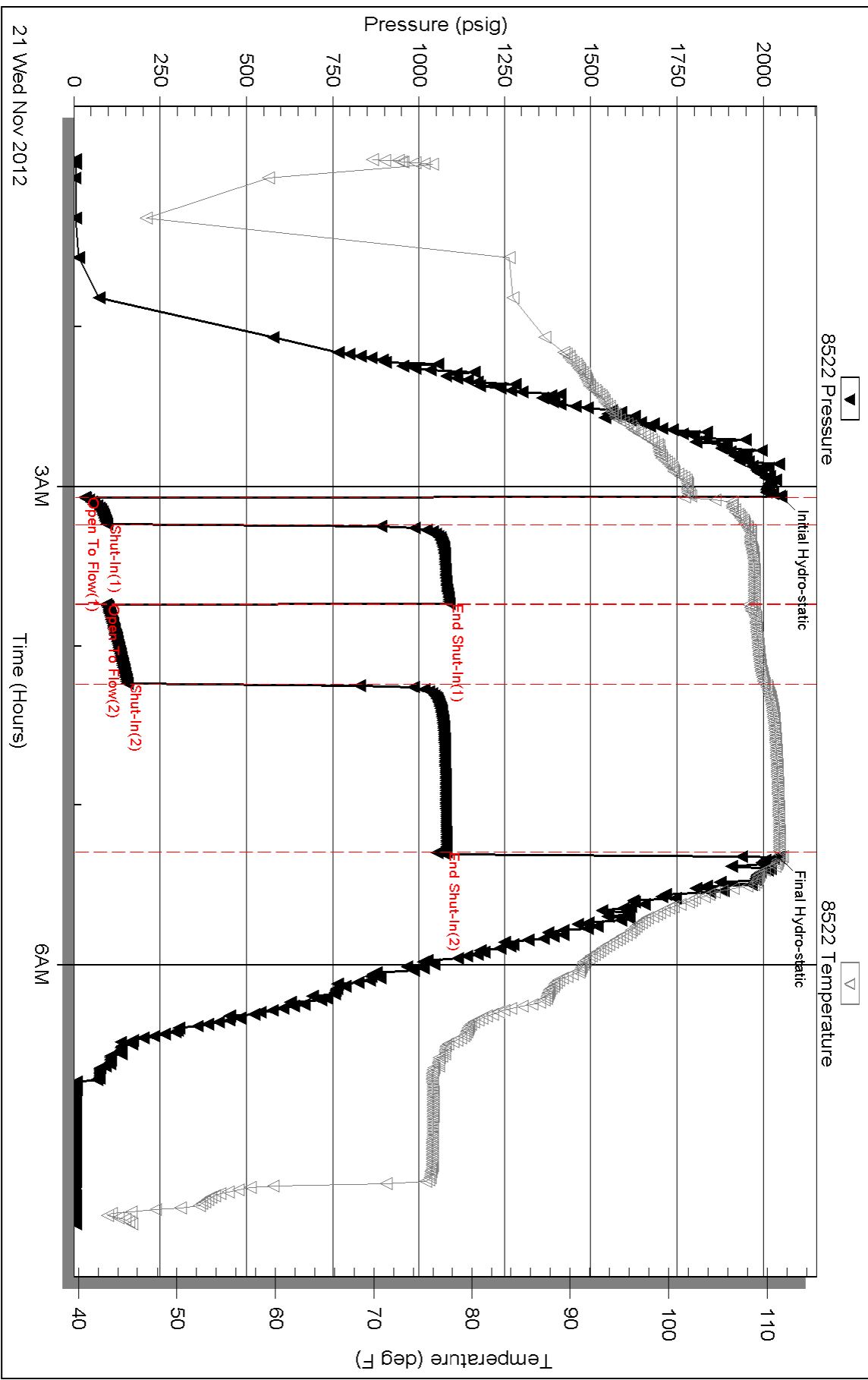
Serial #: 8522

Outside Cholla Production, LLC

Bortrager RT-1-32

DST Test Number: 1

Pressure vs. Time



Triobite Testing, Inc

Ref. No: 49773

Printed: 2012.11.21 @ 11:21:36