



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Cholla Production, LLC
7851 S Elati ST STE 201
Littleton CO, 80120-8081
ATTN: Tom Pronold

Vulgamore 1-21

21-19-33

Job Ticket: 43322

DST#: 2

Test Start: 2011.05.30 @ 06:50:00

GENERAL INFORMATION:

Formation: **Cherokee**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 08:52:30
Time Test Ended: 13:23:30

Test Type: Conventional Bottom Hole
Tester: Jace McKinney - Shan
Unit No: 55

Interval: **4450.00 ft (KB) To 4495.00 ft (KB) (TVD)**
Total Depth: 4495.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2968.00 ft (KB)
2963.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 6771

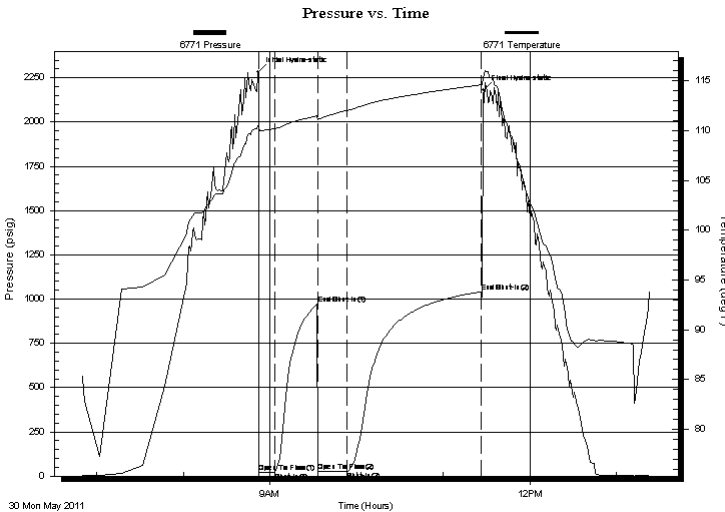
Outside

Press @ Run Depth: 27.48 psig @ 4451.00 ft (KB)
Start Date: 2011.05.30 End Date: 2011.05.30
Start Time: 06:50:15 End Time: 13:23:30

Capacity: 8000.00 psig
Last Calib.: 2011.05.30
Time On Btm: 2011.05.30 @ 08:52:00
Time Off Btm: 2011.05.30 @ 11:28:00

TEST COMMENT: IF: Built to 1/4" blow
IS: No Return Blow
FF: No Blow
FS: No Return Blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2283.16	110.58	Initial Hydro-static
1	19.48	109.75	Open To Flow (1)
12	22.19	110.22	Shut-In(1)
41	973.28	111.51	End Shut-In(1)
42	25.41	111.13	Open To Flow (2)
62	27.48	112.02	Shut-In(2)
155	1041.79	114.61	End Shut-In(2)
156	2183.07	115.61	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	osw m 40%w 60%m	0.05

Gas Rates

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



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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: 60.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.79 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 4000.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	osw m 40%w 60%m	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: API: @ F =

Pressure vs. Time

