



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Culbreath Oil & Gas Inc.

1-5S-36W Rawlins KS

3501 S. Yale
Tulsa Ok, 74135

Minney #1-1"A"

Job Ticket: 62184

DST#: 4

ATTN: Anthony Luna

Test Start: 2015.06.11 @ 00:16:00

GENERAL INFORMATION:

Formation: **Cherokee Sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:06:00

Time Test Ended: 04:33:00

Test Type: Conventional Bottom Hole (Reset)

Tester: James Winder

Unit No: 83

Interval: 4524.00 ft (KB) To 4560.00 ft (KB) (TVD)

Reference Elevations: 3145.00 ft (KB)

Total Depth: 4560.00 ft (KB) (TVD)

3140.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8791 Inside

Press@RunDepth: psig @ 4525.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.06.11

End Date:

2015.06.11

Last Calib.:

2015.06.11

Start Time: 00:16:05

End Time:

04:32:59

Time On Btm:

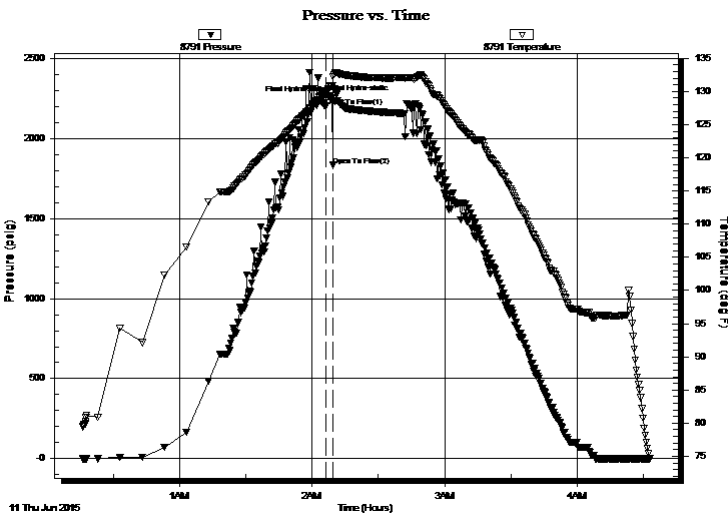
2015.06.11 @ 02:03:15

Time Off Btm:

2015.06.11 @ 02:09:30

TEST COMMENT: Packer Failure
Reset tool - failed again
Pulled tool

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2242.79	129.17	Initial Hydro-static
3	2203.08	129.54	Open To Flow (1)
6	1833.36	130.86	Open To Flow (2)
7	2238.52	132.20	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
190.00	Mud 100%	1.57

* Recovery from multiple tests

Gas Rates

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



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FLUID SUMMARY

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Test Start: 2015.06.11 @ 00:16:00

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:

bbbl

Water Loss: 7.95 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
190.00	Mud 100%	1.568

Total Length: 190.00 ft Total Volume: 1.568 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8791

Inside

Culbreath Oil & Gas Inc.

Minney #1-1"A"

DST Test Number: 4

