



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Culbreath Oil & Gas

2-5S-36W Rawlins, KS

3501 S Yale Ave.
Tulsa, OK 74135

Minney #1-2

Job Ticket: 53446

DST#: 1

ATTN: Anthony Luna

Test Start: 2015.07.20 @ 17:40:00

GENERAL INFORMATION:

Formation: **LKC "H"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:13:30

Time Test Ended: 00:14:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Kevin Mack

Unit No: 82

Interval: 4190.00 ft (KB) To 4226.00 ft (KB) (TVD)

Reference Elevations: 3178.00 ft (KB)

Total Depth: 4226.00 ft (KB) (TVD)

3168.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 8653 Outside

Press @ Run Depth: 22.88 psig @ 4191.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.07.20

End Date:

2015.07.21

Last Calib.: 2015.07.21

Start Time: 17:41:00

End Time:

00:14:30

Time On Btm: 2015.07.20 @ 20:13:00

Time Off Btm: 2015.07.20 @ 22:18:30

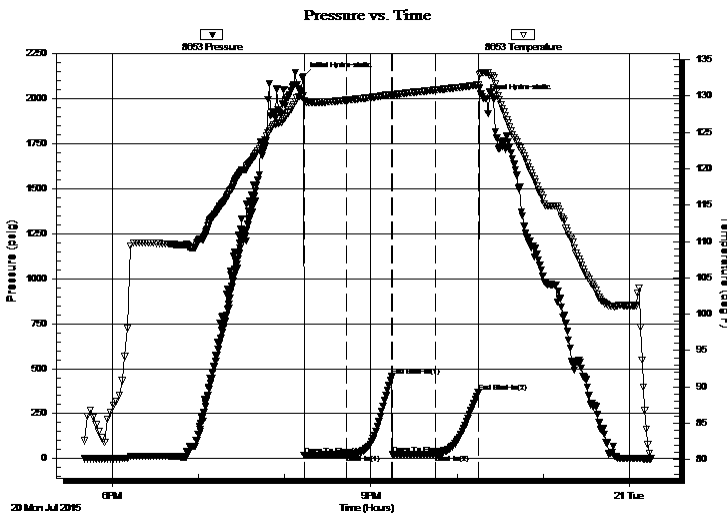
TEST COMMENT: 30 - FF- Surface Blow died in 18 min.

30 - IS- No Return

30 - FF- No Blow

30 - FS- No Return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2121.48	130.07	Initial Hydro-static
1	19.16	129.38	Open To Flow (1)
30	21.69	129.42	Shut-In(1)
62	457.47	130.22	End Shut-In(1)
62	22.26	130.09	Open To Flow (2)
92	22.88	130.81	Shut-In(2)
122	366.88	131.51	End Shut-In(2)
126	1998.76	133.22	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud 100M	0.02

Gas Rates

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



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FLUID SUMMARY

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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: 53.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 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
5.00	Mud 100M	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

