



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Culbreath Oil & Gas Company Inc.

20-10s-31w-Thomas KS

1532 S. Peoria Ave.
Tulsa, OK 74120

OstmeyerBixeman1-20A

ATTN: Pat Deenihan

Job Ticket: 54541

DST#: 1

Test Start: 2013.11.22 @ 04:55:00

GENERAL INFORMATION:

Formation: **Lkc "H"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:27:45

Time Test Ended: 17:17:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Cornelio Landa III (

Unit No: 64

Interval: 4152.00 ft (KB) To 4192.00 ft (KB) (TVD)

Reference Elevations: 3022.00 ft (KB)

Total Depth: 4192.00 ft (KB) (TVD)

3014.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 6772 Inside

Press@RunDepth: 976.79 psig @ 4157.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.11.22

End Date:

2013.11.22

Last Calib.:

2013.11.08

Start Time:

04:55:05

End Time:

17:17:30

Time On Btm:

2013.11.22 @ 09:27:30

Time Off Btm:

2013.11.22 @ 13:14:00

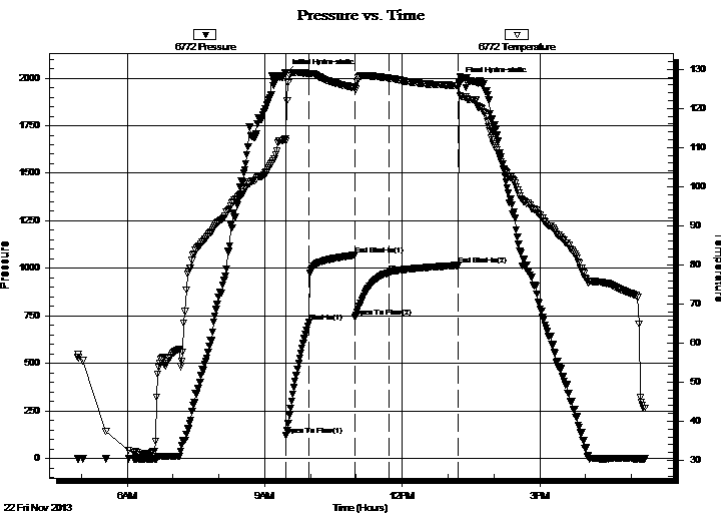
TEST COMMENT:

IF: B.o.b. in 1 1/2 min.

IS: Bled off in 4 1/2 min.-No return

FF: B.o.b. in 3 min.

FS: Bled off in 3 1/2 min.-Fair Surface blow back-Built to 8 1/2 in. of Blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2026.52	112.26	Initial Hydro-static
1	119.22	111.67	Open To Flow (1)
31	717.33	128.88	Shut-In(1)
91	1068.80	125.35	End Shut-In(1)
91	742.17	125.21	Open To Flow (2)
136	976.79	127.72	Shut-In(2)
226	1015.45	125.80	End Shut-In(2)
227	1982.49	125.97	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1140.00	Gmcw 5g 10m 85w	15.99
1200.00	Gmcw 10g 10m 80w	16.83
60.00	Water w / oil specs 100w	0.84

Gas Rates

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



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FLUID SUMMARY

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OstmeyerBixeman1-20A

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ATTN: Pat Deenihan

Test Start: 2013.11.22 @ 04:55:00

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: 120000 ppm

Viscosity: 48.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.94 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 bbbl
1140.00	Gmcw 5g 10m 85w	15.991
1200.00	Gmcw 10g 10m 80w	16.833
60.00	Water w / oil specs 100w	0.842

Total Length: 2400.00 ft Total Volume: 33.666 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW .12@40=120,000

Pressure vs. Time

