



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Orca Operating Co
 427 S Boston Ste 400
 Tulsa, OK 74103
 ATTN: Harold Watts

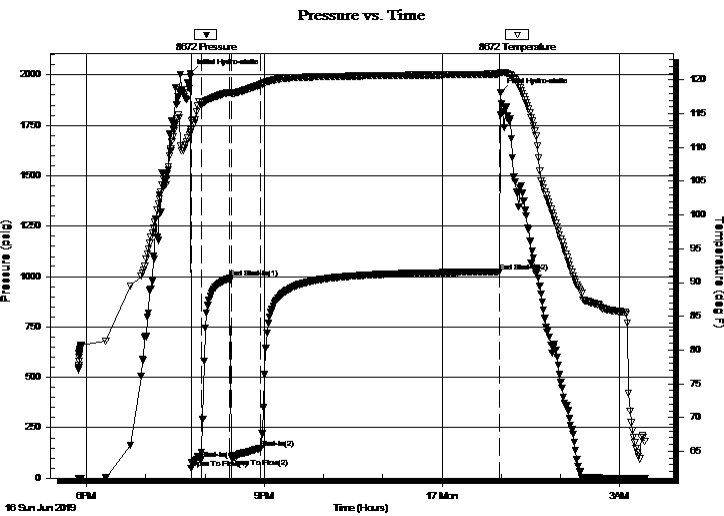
12-25S-9W Reno
Shoffner 12-1
 Job Ticket: 65876 **DST#: 2**
 Test Start: 2019.06.16 @ 17:52:00

GENERAL INFORMATION:

Formation: **Mississippi**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 19:45:47
 Time Test Ended: 03:25:47
 Interval: **3837.00 ft (KB) To 3875.00 ft (KB) (TVD)**
 Total Depth: 3875.00 ft (KB) (TVD)
 Hole Diameter: 8.75 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Leal Cason
 Unit No: 74
 Reference Elevations: 1657.00 ft (KB)
 1644.00 ft (CF)
 KB to GR/CF: 13.00 ft

Serial #: 8672 **Inside**
 Press@RunDepth: 148.87 psig @ 3838.00 ft (KB) Capacity: psig
 Start Date: 2019.06.16 End Date: 2019.06.17 Last Calib.: 2019.06.17
 Start Time: 17:52:01 End Time: 03:25:47 Time On Btm: 2019.06.16 @ 19:45:02
 Time Off Btm: 2019.06.17 @ 00:59:32

TEST COMMENT: IF: Fair Blow , Built to 7 1/2 inches
 IS: No Blow Back
 FF: Fair Blow , BOB in 20 minutes, Built to 17 1/2 inches
 FS: No Blow Back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2007.90	112.20	Initial Hydro-static
1	48.68	112.60	Open To Flow (1)
11	94.08	116.39	Shut-In(1)
40	991.26	118.17	End Shut-In(1)
42	100.56	118.00	Open To Flow (2)
72	148.87	119.29	Shut-In(2)
313	1023.99	120.91	End Shut-In(2)
315	1911.08	121.12	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	90 GIP	0.00
124.00	MCW 10%M 90%W	0.61
60.00	SOSMCW 1%O 30%M 69%W	0.30
92.00	SOCM 2%O 98%M	0.94

* Recovery from multiple tests

Gas Rates

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



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FLUID SUMMARY

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Shoffner 12-1

Job Ticket: 65876

DST#: 2

ATTN: Harold Watts

Test Start: 2019.06.16 @ 17:52:00

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:

86000 ppm

Viscosity: 61.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.19 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 0.02 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
0.00	90 GIP	0.000
124.00	MCW 10%M 90%W	0.610
60.00	SOSMCW 1%O 30%M 69%W	0.300
92.00	SOCM 2%O 98%M	0.944

Total Length: 276.00 ft Total Volume: 1.854 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW w as .084 @ 76 degrees

