



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: WLLMMLLR1DST1

TIME ON: 1225
TIME OFF: 2350

Company CENTRAL OPERATING INC Lease & Well No. WILLIAM MILLER #1
Contractor EXCELL RIG 3 Charge to CENTRAL OPERATING INC
Elevation 4512 GL Formation D SAND STRADDLE Effective Pay _____ Ft. Ticket No. M704
Date 9/8/2014 Sec. 7 Twp. _____ 2N S Range _____ 51 W County WASHINGTON CO. COLO. State KANSAS
Test Approved By DAVE WINSLOW Diamond Representative MIKE COCHRAN

Formation Test No. 1 Interval Tested from 4471 ft. to 4477 ft. Total Depth 4565 ft.

Packer Depth 4466 ft. Size 6 3/4 in. Packer depth 4477 ft. Size 6 3/4 in.

Packer Depth 4471 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 4473 ft. Recorder Number 5448 Cap. 5,000 P.S.I.

Bottom Recorder Depth (Outside) 4546 ft. Recorder Number E1150 Cap. 5,000 P.S.I.

Below Straddle Recorder Depth 4574 ft. Recorder Number 6884 Cap. 6,275 P.S.I.

Mud Type CHEM Viscosity 69 Drill Collar Length 331 ft. I.D. 2 1/4 in.

Weight 9.4 Water Loss 7.2 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.

Chlorides 500 P.P.M. Drill Pipe Length 4108 ft. I.D. 3 1/2 in.

Jars: Make STERLING Serial Number 3 Test Tool Length 32 ft. Tool Size 3 1/2-IF in.

Did Well Flow? NO Reversed Out NO Anchor Length 6 ft. Size 4 1/2-FH in.

Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. (88' TP) Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: WSB, BOB 54 MIN (NO BB)

2nd Open: _____

Recovered 583 ft. of GMW 2% GAS, 97% WTR, 1% MUD (252' DP, 331' DC)

Recovered 583 ft. of TOTAL FLUID

Recovered _____ ft. of _____

Recovered _____ ft. of CHLOR: 2,000 PPM

Recovered _____ ft. of PH:7.0

Recovered _____ ft. of _____

Remarks: BELOW STRADDLE PSI: 984

TOOL SAMPLE: 99% WTR, 1% MUD W/ A FEW SPECKS OF OIL

Time Set Packer(s) 4:00 P.M. A.M. P.M. Time Started Off Bottom 7:00 P.M. A.M. P.M. Maximum Temperature 166°F

Initial Hydrostatic Pressure..... (A) 2200 P.S.I.

Initial Flow Period..... Minutes 90 (B) 26 P.S.I. to (C) 242 P.S.I.

Initial Closed In Period..... Minutes 90 (D) 765 P.S.I.

Final Flow Period..... Minutes --- (E) UNKNOWN P.S.I. to (F) UNKNOWN P.S.I.

Final Closed In Period..... Minutes --- (G) UNKNOWN P.S.I.

Final Hydrostatic Pressure..... (H) 2186 P.S.I.

Diamond Testing shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statement or opinion concerning the result of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

DIAMOND TESTING

Pressure Survey Report

General Information

Company Name	CENTRAL OPERATING INC	Job Number	M704
Well Name	WILLIAM MILLER #1	Representative	MIKE COCHRAN
Unique Well ID	DST#1 4471-4477 D SAND STRADDLE	Well Operator	CENTRAL OPERATING INC
Surface Location	SEC.7-2N-51W WASHINGTON CO.COLO.	Report Date	2014/09/08
Field	WILDCAT	Prepared By	MIKE COCHRAN
Well Type	Vertical	Qualified By	DAVE WINSLOW
		Test Unit	NO. 3

Test Information

Test Type	CONVENTIONAL		
Formation	DST#1 4471-4477 D SAND STRADDLE		
Test Purpose (AEUB)	Initial Test		
Start Test Date	2014/09/08	Start Test Time	12:25:00
Final Test Date	2014/09/08	Final Test Time	23:50:00
		Well Fluid Type	01 Oil
Gauge Name	5448		
Gauge Serial Number			

Test Results

Remarks **RECOVERED:**
583' GMW 2% GAS, 97% WTR, 1% MUD (252' DP, 331' DC)
583' TOTAL FLUID

CHLOR: 2,000 PPM
PH:7.0

TOOL SAMPLE: 99% WTR, 1% MUD W/ A FEW SPECKS OF OIL

CENTRAL OPERATING INC
DST#1 4471-4477 D SAND STRADDLE
Start Test Date: 2014/09/08
Final Test Date: 2014/09/08

WILLIAM MILLER #1
Formation: DST#1 4471-4477 D SAND STRADDLE
Pool: WILDCAT
Job Number: M704

WILLIAM MILLER #1

