

DIAMOND TESTING

Pressure Survey Report

General Information

Company Name	L.D. DRILLING, INC.	Job Number	M597
Well Name	A/T FARMS, INC. #1-27	Representative	MIKE COCHRAN
Unique Well ID	DST#1 4098-4200 CHERO SAND	Well Operator	L.D. DRILLING, INC.
Surface Location	SEC.27-18S-21W NESS CO.KS.	Report Date	2013/12/30
Field	WILDCAT	Prepared By	MIKE COCHRAN
Well Type	Vertical	Qualified By	KIM SHOEMAKER
		Test Unit	NO. 1

Test Information

Test Type	CONVENTIONAL		
Formation	DST#1 4098-4200 CHERO SAND		
Test Purpose (AEUB)	Initial Test		
Start Test Date	2013/12/30	Start Test Time	12:45:00
Final Test Date	2013/12/30	Final Test Time	18:15:00
		Well Fluid Type	01 Oil
Gauge Name	0063		
Gauge Serial Number			

Test Results

Remarks RECOVERED:
10' DM 100% MUD
10' TOTAL FLUID

TOOL SAMPLE: 100% DRLG MUD W/ A VERY THIN SCUM OF OIL, SLIGHT ODOR



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: ATFRMS1-27DST1

TIME ON: 1245
TIME OFF: 1815

Company L.D. DRILLING, INC. Lease & Well No. A/T FARMS, INC. #1-27
Contractor L.D. DRILLING, INC. Charge to L.D. DRILLING, INC.
Elevation 2108 KB Formation CHERO SAND Effective Pay _____ Ft. Ticket No. M597
Date 12/30/2013 Sec. 27 Twp. 18 S Range 21 W County NESS State KANSAS
Test Approved By KIM SHOEMAKER Diamond Representative MIKE COCHRAN

Formation Test No. 1 Interval Tested from 4098 ft. to 4200 ft. Total Depth 4200 ft.
Packer Depth 4093 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.
Packer Depth 4098 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.

Depth of Selective Zone Set _____
Top Recorder Depth (Inside) 4080 ft. Recorder Number 0063 Cap. 6,000 P.S.I.
Bottom Recorder Depth (Outside) 4100 ft. Recorder Number E1150 Cap. 5,000 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEM Viscosity 55 Drill Collar Length 0 ft. I.D. 2 1/4 in.
Weight 9.0 Water Loss 8.8 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 6,000 P.P.M. Drill Pipe Length 4066 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number 1 Test Tool Length 32 ft. Tool Size 3 1/2-IF in.
Did Well Flow? NO Reversed Out NO Anchor Length 102 ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. 63' DP Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: A SURGE OF BUBBLES ON TOOL OPEN THAT DIED BEFORE 9 MIN (NO BB)
2nd Open: NO BLOW

Recovered <u>10</u> ft. of <u>DM 100% MUD</u>	Price Job Other Charges Insurance Total
Recovered <u>10</u> ft. of <u>TOTAL FLUID</u>	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Remarks: _____	
TOOL SAMPLE: <u>100% DRLG MUD W/ A VERY THIN SCUM OF OIL, SLIGHT ODOR</u>	

Time Set Packer(s) 3:18 P.M. ^{A.M.}/_{P.M.} Time Started Off Bottom 4:21 P.M. ^{A.M.}/_{P.M.} Maximum Temperature 103°F
Initial Hydrostatic Pressure..... (A) 1962 P.S.I.
Initial Flow Period..... Minutes 30 (B) 11 P.S.I. to (C) 12 P.S.I.
Initial Closed In Period..... Minutes 30 (D) 112 P.S.I.
Final Flow Period..... Minutes 3 (E) 12 P.S.I. to (F) 13 P.S.I.
Final Closed In Period..... Minutes 0 (G) UNKNOWN P.S.I.
Final Hydrostatic Pressure..... (H) 1940 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.

L.D. DRILLING, INC.
DST#1 4098-4200 CHERO SAND
Start Test Date: 2013/12/30
Final Test Date: 2013/12/30

A/T FARMS, INC. #1-27
Formation: DST#1 4098-4200 CHERO SAND
Pool: WILDCAT
Job Number: M597

A/T FARMS, INC. #1-27

