

DIAMOND TESTING

Pressure Survey Report

General Information

Company Name	L.D. DRILLING, INC.	Job Number	M558
Well Name	HISS #1-23	Representative	MIKE COCHRAN
Unique Well ID	DST#5 3563-3577 ARBUCKLE	Well Operator	L.D. DRILLING, INC.
Surface Location	SEC.23-20S-14W BARTON CO.KS.	Report Date	2013/10/04
Field	WILDCAT	Prepared By	MIKE COCHRAN
Well Type	Vertical	Qualified By	KIM SHOEMAKER
		Test Unit	NO. 1

Test Information

Test Type	CONVENTIONAL		
Formation	DST#5 3563-3577 ARBUCKLE		
Test Purpose (AEUB)	Initial Test		
Start Test Date	2013/10/03	Start Test Time	19:00:00
Final Test Date	2013/10/04	Final Test Time	02:00:00
		Well Fluid Type	01 Oil
Gauge Name	0063		
Gauge Serial Number			

Test Results

Remarks RECOVERED:
442' GMW 1% GAS, 5% MUD, 94% WTR
442' TOTAL FLUID

CHLOR: 22,000 PPM
PH:7.0
RW: .30 @ 78 DEG

TOOL SAMPLE: 100% WTR



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: HSS1-23DST5

TIME ON: 1900 (10/3)
TIME OFF: 0200 (10/4)

Company L.D. DRILLING, INC. Lease & Well No. HISS #1-23
Contractor PETROMARK DRILLING, LLC-RIG 2 Charge to L.D. DRILLING, INC.
Elevation 1900 KB Formation ARBUCKLE Effective Pay _____ Ft. Ticket No. M558
Date 10/3/2013 Sec. 23 Twp. 20 S Range 14 W County BARTON State KANSAS
Test Approved By KIM SHOEMAKER Diamond Representative MIKE COCHRAN

Formation Test No. 5 Interval Tested from 3563 ft. to 3577 ft. Total Depth 3577 ft.
Packer Depth 3558 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.
Packer Depth 3563 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3545 ft. Recorder Number 0063 Cap. 6,000 P.S.I.
Bottom Recorder Depth (Outside) 3574 ft. Recorder Number 6884 Cap. 6,275 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEM Viscosity 55 Drill Collar Length 117 ft. I.D. 2 1/4 in.
Weight 8.7 Water Loss 8.8 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 5,000 P.P.M. Drill Pipe Length 3414 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 14 ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: GSB, BOB 17 MIN (NO BB)
2nd Open: GSB, BOB 23 MIN (NO BB)

Recovered 442 ft. of GMW 1% GAS, 5% MUD, 94% WTR

Recovered 442 ft. of TOTAL FLUID

Recovered _____ ft. of _____

Recovered _____ ft. of CHLOR: 22,000 PPM

Recovered _____ ft. of RW: .30 @ 78 DEG

Recovered _____ ft. of PH:7.0

Remarks: _____

TOOL SAMPLE: 100% WTR

Time Set Packer(s) 8:45 P.M. ^{A.M.} P.M. Time Started Off Bottom 11:45 P.M. ^{A.M.} P.M. Maximum Temperature 114

Initial Hydrostatic Pressure..... (A) 1733 P.S.I.
Initial Flow Period..... Minutes 30 (B) 11 P.S.I. to (C) 113 P.S.I.
Initial Closed In Period..... Minutes 45 (D) 1024 P.S.I.
Final Flow Period..... Minutes 45 (E) 115 P.S.I. to (F) 203 P.S.I.
Final Closed In Period..... Minutes 60 (G) 951 P.S.I.
Final Hydrostatic Pressure..... (H) 1711 P.S.I.

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: _____	Insurance
TOOL SAMPLE: <u>100% WTR</u>	Total

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.

HISS #1-23

