



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: HSS1-23DST2

TIME ON: 0340
TIME OFF: 1110

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 LANS H-K Effective Pay _____ Ft. Ticket No. M555
Date 10/2/2013 Sec. 23 Twp. 20 S Range 14 W County BARTON State KANSAS
Test Approved By KIM SHOEMAKER Diamond Representative MIKE COCHRAN

Formation Test No. 2 Interval Tested from 3390 ft. to 3465 ft. Total Depth 3465 ft.
Packer Depth 3385 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.
Packer Depth 3390 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3377 ft. Recorder Number 0063 Cap. 6,000 P.S.I.
Bottom Recorder Depth (Outside) 3462 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 56 Drill Collar Length 117 ft. I.D. 2 1/4 in.
Weight 8.9 Water Loss 8.0 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 2,000 P.P.M. Drill Pipe Length 3246 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number SFTY JT Test Tool Length 27 ft. Tool Size 3 1/2-IF in.
Did Well Flow? NO Reversed Out NO Anchor Length 75 ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. 31' D.P. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: **STRONG 2" BLOW RIGHT AWAY, BOB 1 MIN 25 SEC. (5" BB)**
2nd Open: **STRONG 3" BLOW, BOB 1 MIN 15 SEC. (BOB BB)**

Recovered 239 ft. of GHOCM 14% GAS, 44% OIL, 42% MUD
Recovered 306 ft. of WGMCO 10% GAS, 71% OIL, 5% WTR, 14% MUD (189' DP, 117' DC)
Recovered 545 ft. of TOTAL FLUID

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of <u>CHLOR: 10,000 PPM</u>	Other Charges
Recovered _____ ft. of _____	Insurance
Remarks: <u>GTS DURING FINAL SHUT IN</u>	
<u>TOOL SAMPLE: 5% GAS, 34% OIL, 14% WTR, 47% MUD</u>	Total

Time Set Packer(s) 5:30 A.M. ^{A.M.}/_{P.M.} Time Started Off Bottom 8:30 A.M. ^{A.M.}/_{P.M.} Maximum Temperature 109

Initial Hydrostatic Pressure..... (A) 1646 P.S.I.
Initial Flow Period..... Minutes 30 (B) 35 P.S.I. to (C) 108 P.S.I.
Initial Closed In Period..... Minutes 45 (D) 985 P.S.I.
Final Flow Period..... Minutes 45 (E) 124 P.S.I. to (F) 198 P.S.I.
Final Closed In Period..... Minutes 60 (G) 978 P.S.I.
Final Hydrostatic Pressure..... (H) 1638 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	L.D. DRILLING, INC.	Job Number	M555
Well Name	HISS #1-23	Representative	MIKE COCHRAN
Unique Well ID	DST#2 3390-3465 LANS H-K	Well Operator	L.D. DRILLING, INC.
Surface Location	SEC.23-20S-14W BARTON CO.KS.	Report Date	2013/10/02
Field	WILDCAT	Prepared By	MIKE COCHRAN
Well Type	Vertical	Qualified By	KIM SHOEMAKER
		Test Unit	NO. 1

Test Information

Test Type	CONVENTIONAL		
Formation	DST#2 3390-3465 LANS H-K		
Test Purpose (AEUB)	Initial Test		
Start Test Date	2013/10/02	Start Test Time	03:40:00
Final Test Date	2013/10/02	Final Test Time	11:10:00
		Well Fluid Type	01 Oil
Gauge Name	0063		
Gauge Serial Number			

Test Results

Remarks **RECOVERED:**

239' GHOCM 14% GAS, 44% OIL, 42% MUD
306' WGMCO 10% GAS, 71% OIL, 5% WTR, 14% MUD (189' DP, 117' DC)
545' TOTAL FLUID

CHLOR: 10,000 PPM

TOOL SAMPLE: 5% GAS, 34% OIL, 14% WTR, 47% MUD

HISS #1-23

