



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: HSS1-23DST4

TIME ON: 0740
TIME OFF: 1340

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. M557
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. 4 Interval Tested from 3483 ft. to 3565 ft. Total Depth 3565 ft.
Packer Depth 3478 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.
Packer Depth 3483 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3465 ft. Recorder Number 0063 Cap. 6,000 P.S.I.
Bottom Recorder Depth (Outside) 3562 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 59 Drill Collar Length 117 ft. I.D. 2 1/4 in.
Weight 8.9 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 3334 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 82 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.

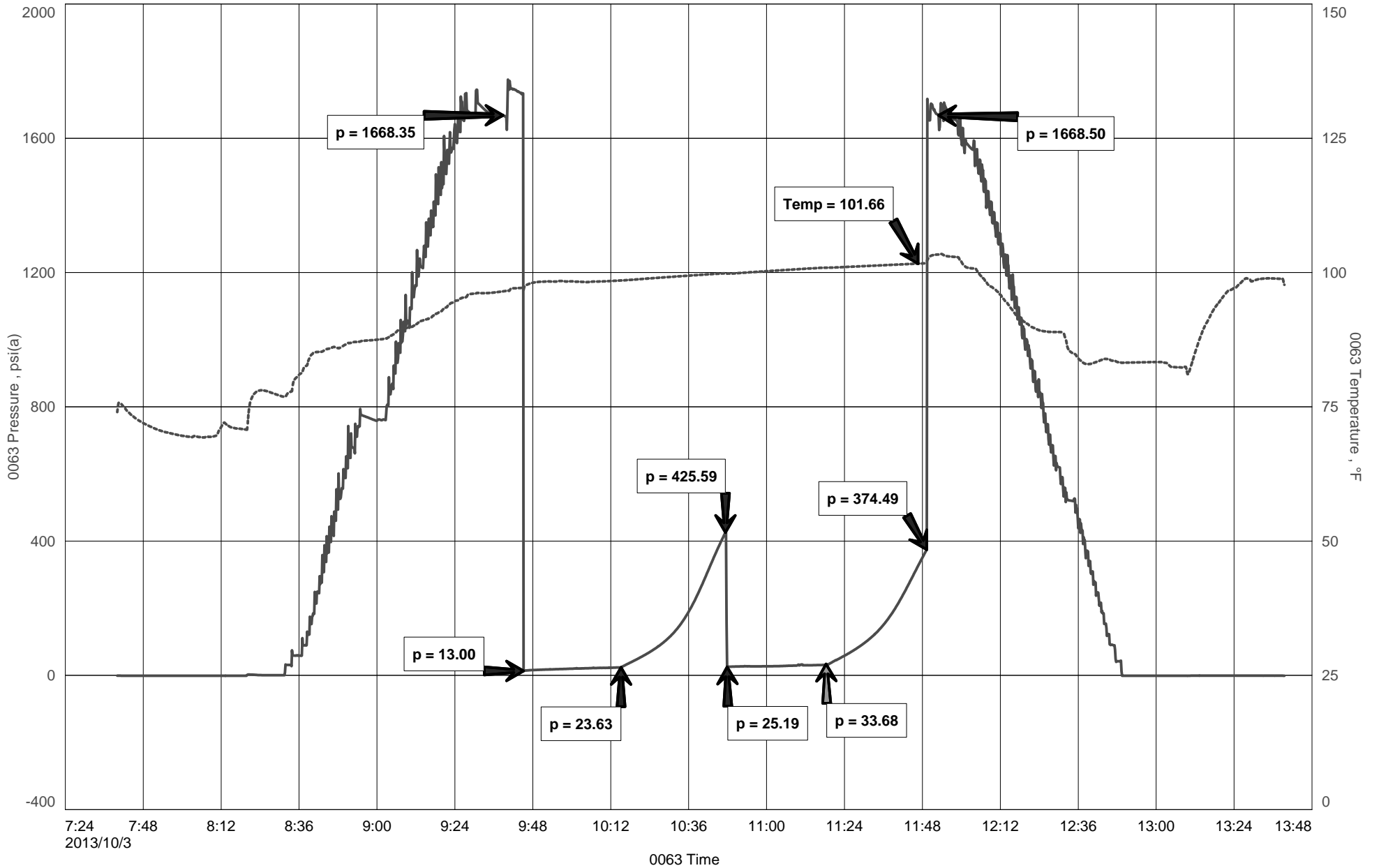
Blow: 1st Open: WSB, INC. TO 1" IN 9 MIN, THEN MAINTAIN AN INTERMITTENT 1" BLOW (NO BB)
2nd Open: VWSB, INC. TO 1/4" (NO BB)

Recovered <u>40</u> ft. of <u>SOCGM 6% GAS, 4% OIL, 90% MUD</u>	Price Job Other Charges Insurance Total
Recovered <u>40</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>4% OIL, 96% MUD, SLIGHT GASSY ODOR</u>	

Time Set Packer(s) 9:45 A.M. ^{A.M.}/_{P.M.} Time Started Off Bottom 11:45 A.M. ^{A.M.}/_{P.M.} Maximum Temperature 102
Initial Hydrostatic Pressure..... (A) 1668 P.S.I.
Initial Flow Period..... Minutes 30 (B) 13 P.S.I. to (C) 24 P.S.I.
Initial Closed In Period..... Minutes 30 (D) 426 P.S.I.
Final Flow Period..... Minutes 30 (E) 25 P.S.I. to (F) 34 P.S.I.
Final Closed In Period..... Minutes 30 (G) 374 P.S.I.
Final Hydrostatic Pressure..... (H) 1669 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.

HISS #1-23



DIAMOND TESTING

Pressure Survey Report

General Information

Company Name	L.D. DRILLING, INC.	Job Number	M557
Well Name	HISS #1-23	Representative	MIKE COCHRAN
Unique Well ID	DST#4 3483-3565 ARBUCKLE	Well Operator	L.D. DRILLING, INC.
Surface Location	SEC.23-20S-14W BARTON CO.KS.	Report Date	2013/10/03
Field	WILDCAT	Prepared By	MIKE COCHRAN
Well Type	Vertical	Qualified By	KIM SHOEMAKER
		Test Unit	NO. 1

Test Information

Test Type	CONVENTIONAL		
Formation	DST#4 3483-3565 ARBUCKLE		
Test Purpose (AEUB)	Initial Test		
Start Test Date	2013/10/03	Start Test Time	07:40:00
Final Test Date	2013/10/03	Final Test Time	13:40:00
		Well Fluid Type	01 Oil
Gauge Name	0063		
Gauge Serial Number			

Test Results

Remarks RECOVERED:

40' SOCGM 6% GAS, 4% OIL, 90% MUD
40' TOTAL FLUID

TOOL SAMPLE: 4% OIL, 96% MUD, SLIGHT GASSY ODOR