



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: HSS1-23DST3

TIME ON: 2050 (10/2)
TIME OFF: 0245 (10/3)

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. M556
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. 3 Interval Tested from 3484 ft. to 3556 ft. Total Depth 3556 ft.
Packer Depth 3479 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.
Packer Depth 3484 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3466 ft. Recorder Number 0063 Cap. 6,000 P.S.I.
Bottom Recorder Depth (Outside) 3553 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 57 Drill Collar Length 117 ft. I.D. 2 1/4 in.
Weight 8.7 Water Loss 8.0 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 4,000 P.P.M. Drill Pipe Length 3335 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 72 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, INCREASED TO 3/4" (NO BB)
2nd Open: NO BLOW, THEN AFTER 8 MIN A VWSB THAT INC. TO <1/4" (NO BB)

Recovered 20 ft. of SOCM 6% OIL, 94% MUD
Recovered 20 ft. of TOTAL FLUID
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____

Recovered _____ ft. of _____	Price Job
Remarks: _____	Other Charges
TOOL SAMPLE: <u>8% OIL, 92% MUD, GASSY ODOR</u>	Insurance
	Total

Time Set Packer(s) 10:45 P.M. A.M. P.M. Time Started Off Bottom 12:45 A.M. A.M. P.M. Maximum Temperature 105

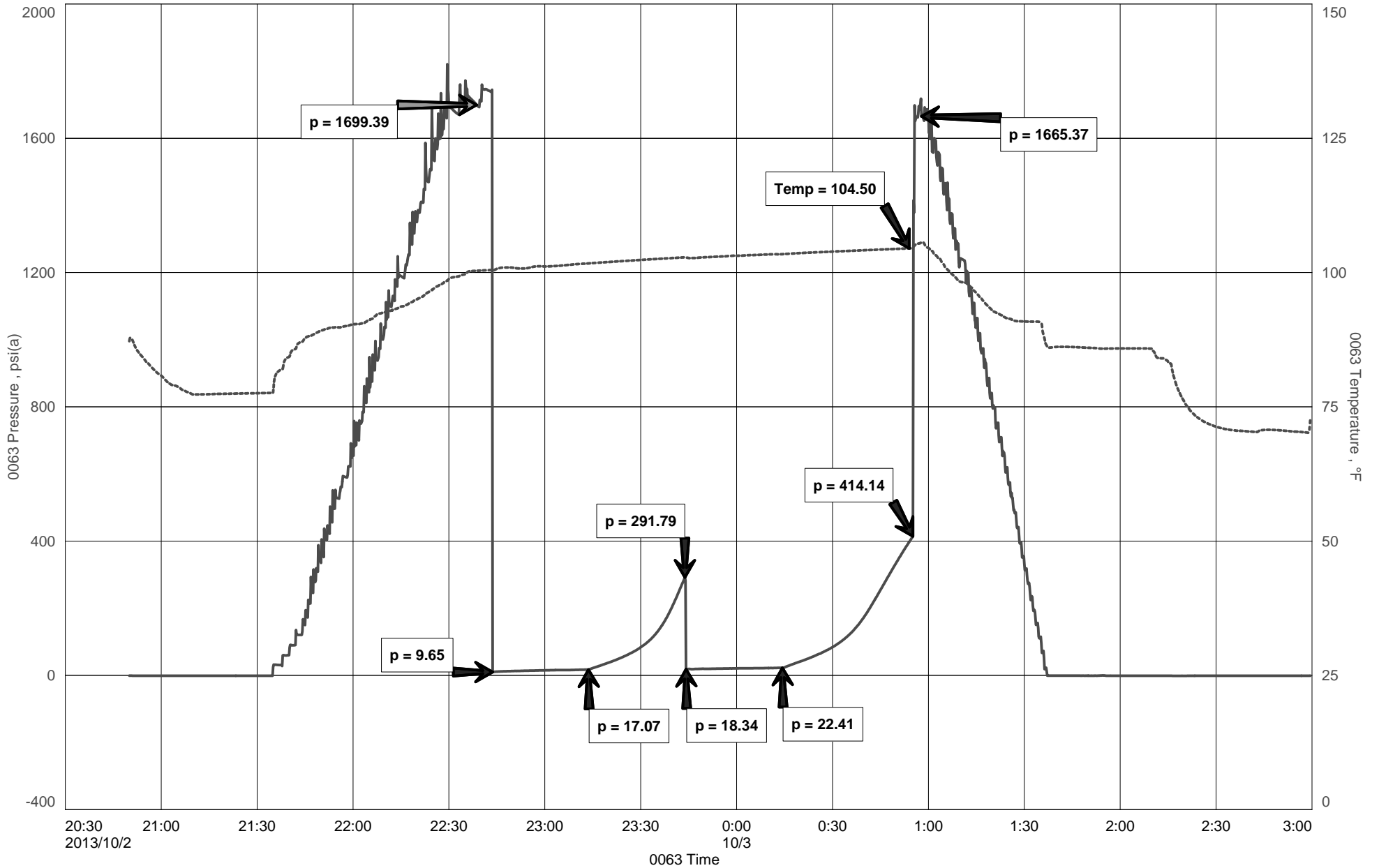
Initial Hydrostatic Pressure..... (A) 1699 P.S.I.
Initial Flow Period..... Minutes 30 (B) 10 P.S.I. to (C) 17 P.S.I.
Initial Closed In Period..... Minutes 30 (D) 292 P.S.I.
Final Flow Period..... Minutes 30 (E) 18 P.S.I. to (F) 22 P.S.I.
Final Closed In Period..... Minutes 30 (G) 414 P.S.I.
Final Hydrostatic Pressure..... (H) 1665 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#3 3484-3556 ARBUCKLE
Start Test Date: 2013/10/02
Final Test Date: 2013/10/03

HISS #1-23
Formation: DST#3 3484-3556 ARBUCKLE
Pool: WILDCAT
Job Number: M556

HISS #1-23



DIAMOND TESTING

Pressure Survey Report

General Information

Company Name	L.D. DRILLING, INC.	Job Number	M556
Well Name	HISS #1-23	Representative	MIKE COCHRAN
Unique Well ID	DST#3 3484-3556 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#3 3484-3556 ARBUCKLE		
Test Purpose (AEUB)	Initial Test		
Start Test Date	2013/10/02	Start Test Time	20:50:00
Final Test Date	2013/10/03	Final Test Time	02:45:00
		Well Fluid Type	01 Oil

Test Results

Remarks RECOVERED:

20' SOCM 6% OIL, 94% MUD
20' TOTAL FLUID

TOOL SAMPLE: 8% OIL, 92% MUD, GASSY ODOR