



Diamond Testing General Report

**JAKE
FAHRENBRUCH - TESTER
Cell: (620) 282-8977**

P.O. Box 157
Hoisington KS 67544
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General Information

Company Name	LB EXPLORATION INC	Well Name	HOPKINS RANCH 33 #1
Well Operator	LB EXPLORATION INC	Unique Well ID	DST #3 MISSISSIPPIAN 4534'-4556'
Contact	MICHAEL PETERMANN	Surface Location	SEC 33 - 32s - 13w - BA - KS
Site Contact	STEVE PETERMANN	Test Unit	#5
Field	HALLELUJAH	Pool	UNKNOWN
Well Type	Vertical	Job Number	F251
Prepared By	JAKE FAHRENBRUCH	Qualified By	STEVE PETERMANN

Test Information

Test Type	BOTTOM-HOLE (NO X EQUIP)	Test Purpose	Initial Test
Formation	MISSISSIPPI 4534' - 4556'	Gauge Name	INSIDE 5951
Start Test Date	2014/02/23	Start Test Time	03:25:00
Final Test Date	2014/02/23	Final Test Time	10:47:00

Test Results

BLOWS:

15 MIN I.F.	STRONG BLOW AT B.O.B. IN 10 SECONDS
30 MIN I.S.I.	NO BLOW-BACK
45 MIN F.F.	STRONG BLOW AT B.O.B. IMMEDIATELY, G.T.S. IN 3 MINUTES, GUAGED GAS
3 MIN	6# 1/4" 22.9 MCF
7 MIN	6# 1/4" 22.9 MCF
14 MIN	5# 1/4" 20.7 MCF
20 MIN	4# 1/4" 18.5 MCF
30 MIN	3.5# 1/4" 17.1 MCF
40 MIN	3# 1/4" 15.7 MCF
45 MIN	3# 1/4" 15.7 MCF
90 MIN F.S.I.	NO BLOW-BACK

RECOVERED: 30' GCOCM 10% GAS, 20% OIL, 70% MUD
BOTTOM-HOLE TEMP: 120 DEG F

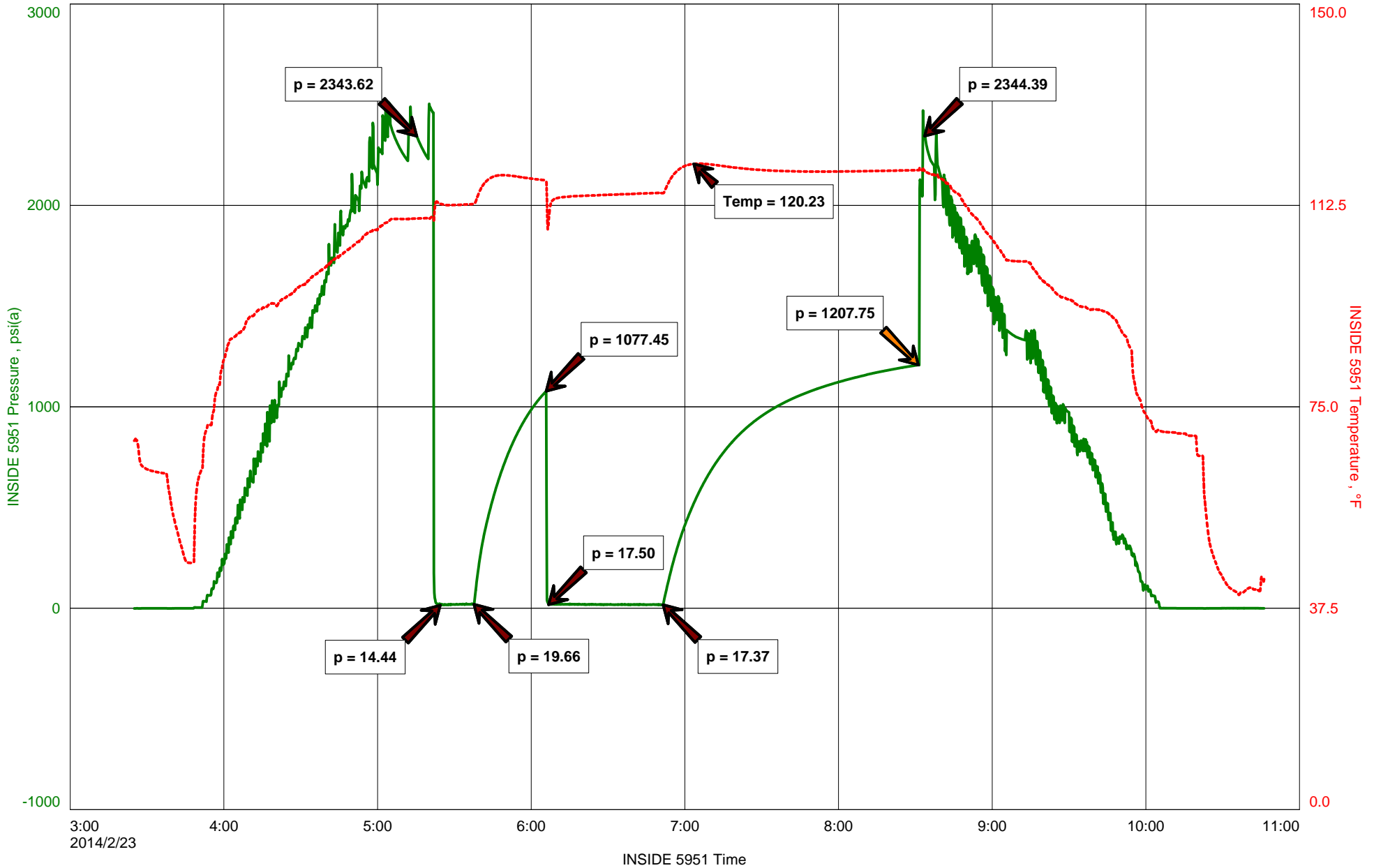
INITIAL HYDROSTATIC PRESSURE:	2344
INITIAL FLOW PRESSURES:	14 - 20
INITIAL SHUT-IN PRESSURE:	1077
FINAL FLOW PRESSURES:	18 - 17
FINAL SHUT-IN PRESSURE:	1208
FINAL HYDROSTATIC PRESSURE:	2344

THANKS!

LB EXPLORATION INC
DST #3 MISSISSIPPIAN 4534'-4556'
Start Test Date: 2014/02/23
Final Test Date: 2014/02/23

HOPKINS RANCH 33 #1
Formation: MISSISSIPPI 4534' - 4556'
Pool: UNKNOWN
Job Number: F251

HOPKINS RANCH 33 #1





DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: HR331DST3

TIME ON: 3:25 AM
TIME OFF: 10:47 AM

Company LB EXPLORATION INC. Lease & Well No. HOPKINS RANCH 33 #1
Contractor NINNESCAH DRILLING RIG #101 Charge to LB EXPLORATION INC.
Elevation 1746' KB Formation MISSISSIPPI Effective Pay FIELD: HALLELUJAH Ft. Ticket No. F251
Date SUN 2-23-14 Sec. 33 Twp. 32 S Range 13 W County BARBER State KANSAS
Test Approved By STEVE PETERMANN Diamond Representative JAKE FAHRENBRUCH

Formation Test No. THREE Interval Tested from 4534 ft. to 4556 ft. Total Depth 4556 ft.
Packer Depth 4529 ft. Size 6 3/4 in. Packer depth ----- ft. Size 6 3/4 in.
Packer Depth 4534 ft. Size 6 3/4 in. Packer depth ----- ft. Size 6 3/4 in.
Depth of Selective Zone Set -----

Top Recorder Depth (Inside) 4520 ft. Recorder Number 5951 Cap. 5,000 P.S.I.
Bottom Recorder Depth (Outside) 4538 ft. Recorder Number 5584 Cap. 5,000 P.S.I.
Below Straddle Recorder Depth ----- ft. Recorder Number ----- Cap. ----- P.S.I.

Mud Type CHEMICAL Viscosity 60 Drill Collar Length ----- ft. I.D. 2 1/4 in.
Weight 9.3 Water Loss 8.8 cc. Weight Pipe Length ----- ft. I.D. 2 7/8 in.
Chlorides 7800 P.P.M. Drill Pipe Length 4509 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number ----- Test Tool Length 25 ft. Tool Size 3 1/2-IF in.
Did Well Flow? G.T.S. Reversed Out NO Anchor Length 22 ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. ALL PERF Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: **STRONG BLOW, B.O.B. IN 10 SECONDS. NO BLOW-BACK.**
2nd Open: **STRONG BLOW, B.O.B. IMMEDIATELY, G.T.S. IN 3 MINUTES. NO BLOW-BACK.**

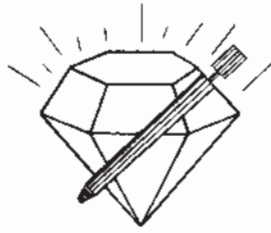
Recovered 30 ft. of GCOCM 10% GAS, 20% OIL, 70% MUD
Recovered ----- ft. of -----
Recovered ----- ft. of -----
Recovered ----- ft. of GAS RATE SLOWLY DECLINED FROM 22.9 MCF TO 15.7 MCF OVER THE DURATION OF THE FLOW PERIOD.

Recovered <u>-----</u> ft. of <u>-----</u>	Price Job
Recovered <u>-----</u> ft. of <u>-----</u> TEST: \$1,225.00	Other Charges
Remarks: <u>-----</u> (86 M.R.T. HOUSE TO RIG & BACK @ \$1.40/M) \$120.40	Insurance
<u>-----</u> NO EXTRA EQUIPMENT RAN	
<u>-----</u> TOTAL COST OF DST #3 = \$1,345.40	Total

Time Set Packer(s) 5:22 AM A.M. P.M. Time Started Off Bottom 8:22 AM A.M. P.M. Maximum Temperature 120 DEG F

Initial Hydrostatic Pressure..... (A) 2344 P.S.I.
Initial Flow Period..... Minutes 15 (B) 14 P.S.I. to (C) 20 P.S.I.
Initial Closed In Period..... Minutes 30 (D) 1077 P.S.I.
Final Flow Period..... Minutes 45 (E) 18 P.S.I. to (F) 17 P.S.I.
Final Closed In Period..... Minutes 90 (G) 1208 P.S.I.
Final Hydrostatic Pressure..... (H) 2344 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
P. O. Box 157
HOISINGTON, KANSAS 67544
(316) 653-7550
GAS VOLUME REPORT

Company LB EXPLORATION Lease & Well No. HOPKINS RANCH 33 #1
Date 2-23-14 Sec. 33 Twp. 32S Rge. 13W Location _____ County BA State KS
Drilling Contractor NINNESCAH DRLG RIG 101 Formation MISSISSIPPI DST No. 3
Remarks: G.T.S. 3 MIN INTO FINAL FLOW PERIOD. NO SAMPLE TAKEN.

INITIAL FLOW

Time O'Clock	Orifice Size	Gauge	CF/D
	in.	in.	
	in.	in.	
	in.	in.	
	in.	in.	
	in.	in.	
	in.	in.	
	in.	in.	
	in.	in.	
	in.	in.	
	in.	in.	
	in.	in.	
	in.	in.	
	in.	in.	
	in.	in.	
	in.	in.	

FINAL FLOW

Time O'Clock	Orifice Size	Gauge	CF/D
	in.	PSI in.	
6:10 AM	1/4 in.	6 in.	22,900
6:14 AM	1/4 in.	6 in.	22,900
6:21 AM	1/4 in.	5 in.	20,700
6:27 AM	1/4 in.	4 in.	18,500
6:37 AM	1/4 in.	3.5 in.	17,100
6:47 AM	1/4 in.	3 in.	15,700
6:52 AM	1/4 in.	3 in.	15,700
	in.	in.	
	in.	in.	

*SAMPLE TAKEN

FINAL FLOW