



Diamond Testing General Report

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

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General Information

Company Name	LD DRILLING INC	Well Name	HARLEY #1-30
Well Operator	LD DRILLING INC	Unique Well ID	SEC 30-14S-29W-GOVE CO.-KS
Contact	LD DAVIS	Surface Location	SEC 30-14S-29W-GOVE CO.-KS
Site Contact	KIM SHOEMAKER	Test Unit	FIVE
Field	LUNDGREN	Pool	UNSPECIFIED
Well Type	Vertical	Job Number	F255
Prepared By	JAKE FAHRENBRUCH	Qualified By	KIM SHOEMAKER

Test Information

Test Type	BOTTOM-HOLE W/J&J	Test Purpose	Initial Test
Formation	MISS. SPERGEN	Gauge Name	INSIDE 5951
Start Test Date	2014/03/04	Start Test Time	20:07:00
Final Test Date	2014/03/05	Final Test Time	03:36:00

Test Results

30 MIN	I.F.	FAIRLY WEAK BLOW, INCREASED TO 5.5".
45 MIN	I.S.I.	NO BLOW-BACK.
45 MIN	F.F.	FAIRLY WEAK BLOW, INCREASED TO 7".
60 MIN	F.S.I.	NO BLOW-BACK.

RECOVERED:

10'	CLEAN OIL	100% OIL
40'	OCM	12% OIL, 88% MUD
20'	SOCM	4% OIL, 96% MUD
----	TOOL SAMPLE:	HOCM, 32% OIL, 68% MUD
----	GRAVITY:	35 (CORRECTED TO 60 DEG F)

PRESSURES:

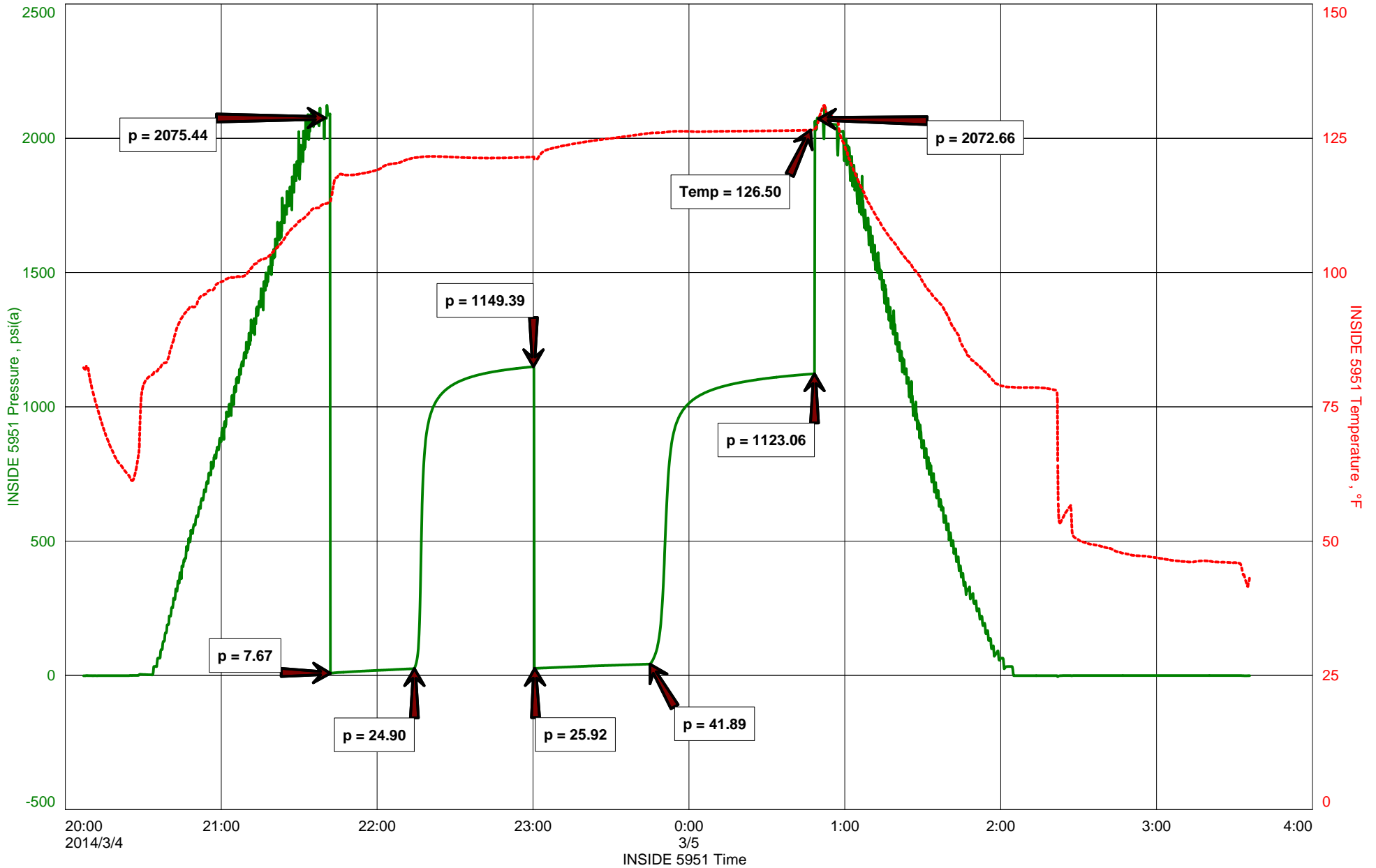
IHP:	2075
IFP:	8-25
ISIP:	1149
FFP:	26-42
FSIP:	1123
FHP:	2073

THANKS!

LD DRILLING INC
SEC 30-14S-29W-GOVE CO.-KS
Start Test Date: 2014/03/04
Final Test Date: 2014/03/05

HARLEY #1-30
Formation: MISS. SPERGEN
Pool: UNSPECIFIED
Job Number: F255

HARLEY #1-30





DIAMOND TESTING
 P.O. Box 157
 HOISINGTON, KANSAS 67544
 (800) 542-7313

TIME ON: 4-Mar8:07 pm
 TIME OFF: 4-Mar3:36 am

DRILL-STEM TEST TICKET
 FILE: **HARLEY1DST3**

Company LD DRILLING, INC. Lease & Well No. HARLEY # 1-30
 Contractor LD DRILLING, INC. Charge to LD DRILLING, INC.
 Elevation 2607' KB Formation MISS. SPERGEN Effective Pay FIELD: LUNDGREN Ft. Ticket No. F255
 Date 5-Mar-2014 Sec. 30 Twp. 14 S Range 29 W County GOVE State KANSAS
 Test Approved By KIM SHOEMAKER Diamond Representative JAKE FAHRENBRUCH

Formation Test No. THREE Interval Tested from 4,270 ft. to 4,290 ft. Total Depth 4,290 ft.

Packer Depth 4,265 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Packer Depth 4,270 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 4,244 ft. Recorder Number 5,951 Cap. 5,000 P.S.I.

Bottom Recorder Depth (Outside) 4,276 ft. Recorder Number 5,584 Cap. 5,000 P.S.I.

Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity 47 (1# LCM) Drill Collar Length _____ ft. I.D. 2 1/4 in.

Weight 9.3 Water Loss 5.6 cc. Weight Pipe Length _____ ft. I.D. 2 7/8 in.

Chlorides 1,300 P.P.M. Drill Pipe Length 4,237 ft. I.D. 3 1/2 in.

Jars: Make STERLING Serial Number #5 J&J Test Tool Length 33 ft. Tool Size 3 1/2-IF in.

Did Well Flow? NO Reversed Out NO Anchor Length 20 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: FAIRLY WEAK BLOW, INCREASED TO 5.5". NO BLOW-BACK.

2nd Open: FAIRLY WEAK BLOW, INCREASED TO 7". NO BLOW-BACK.

Recovered 10 ft. of CLEAN OIL 100% OIL

Recovered 40 ft. of OIL CUT MUD 12% OIL, 88% MUD

Recovered 20 ft. of SLIGHTLY OIL CUT MUD 4% OIL, 96% MUD

Recovered _____ ft. of TOOL SAMPLE: Hvy Oil Cut Mud, 32% OIL, 68% MUD

Recovered _____ ft. of GRAVITY: 35 (CORRECTED TO 60 DEG F)

Recovered _____ ft. of _____

Remarks: _____

Price Job	\$1,225.00
JARS, SAFETY JOINT	
Other Charges	\$325.00
162 MILES R.T. @ \$ 1.40	
Insurance	\$226.80
Total	\$1,776.80

Time Set Packer(s) 9:45 PM Time Started Off Bottom 12:45 AM Maximum Temperature 127 F

Initial Hydrostatic Pressure..... (A) 2,075 P.S.I.

Initial Flow Period..... 9:45-10:15 Minutes 30 (B) 8 P.S.I. to (C) 25 P.S.I.

Initial Closed In Period..... 10:15-11:00 Minutes 45 (D) 1,149 P.S.I.

Final Flow Period..... 11:00-11:45 Minutes 45 (E) 26 P.S.I. to (F) 42 P.S.I.

Final Closed In Period..... 11:45- 12:45 Minutes 60 (G) 1,123 P.S.I.

Final Hydrostatic Pressure..... (H) 2,073 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.