



Diamond Testing General Report

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

P.O. Box 157
Hoisington KS 67544
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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 COUNTY-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	F254
Prepared By	JAKE FAHRENBRUCH	Qualified By	KIM SHOEMAKER

Test Information

Test Type	BOTTOM-HOLE W/J&S.J.	Test Purpose	Initial Test
Formation	Ft. SCOTT,CHER.,JOHN. / 4145'-4250'	Gauge Name	INSIDE 5951
Start Test Date	2014/03/04	Start Test Time	03:15:00
Final Test Date	2014/03/04	Final Test Time	10:53:00

Test Results

FLOWS & SHUT-INS

30 MIN I.F. WEAK 1" BLOW, INCREASED TO 3".
 45 MIN I.S.I. NO BLOW-BACK.
 45 MIN F.F. WEAK 2" BLOW, INCREASED TO 5".
 60 MIN F.S.I. NO BLOW-BACK.

RECOVERED:

20' OSM 2% O, 98% M
 ---- 100' G.I.P.
 ---- TOOL SAMPLE: OCM, 20% O, 98% M
 ---- BOTTOM-HOLE TEMP: 120 F

PRESSURES:

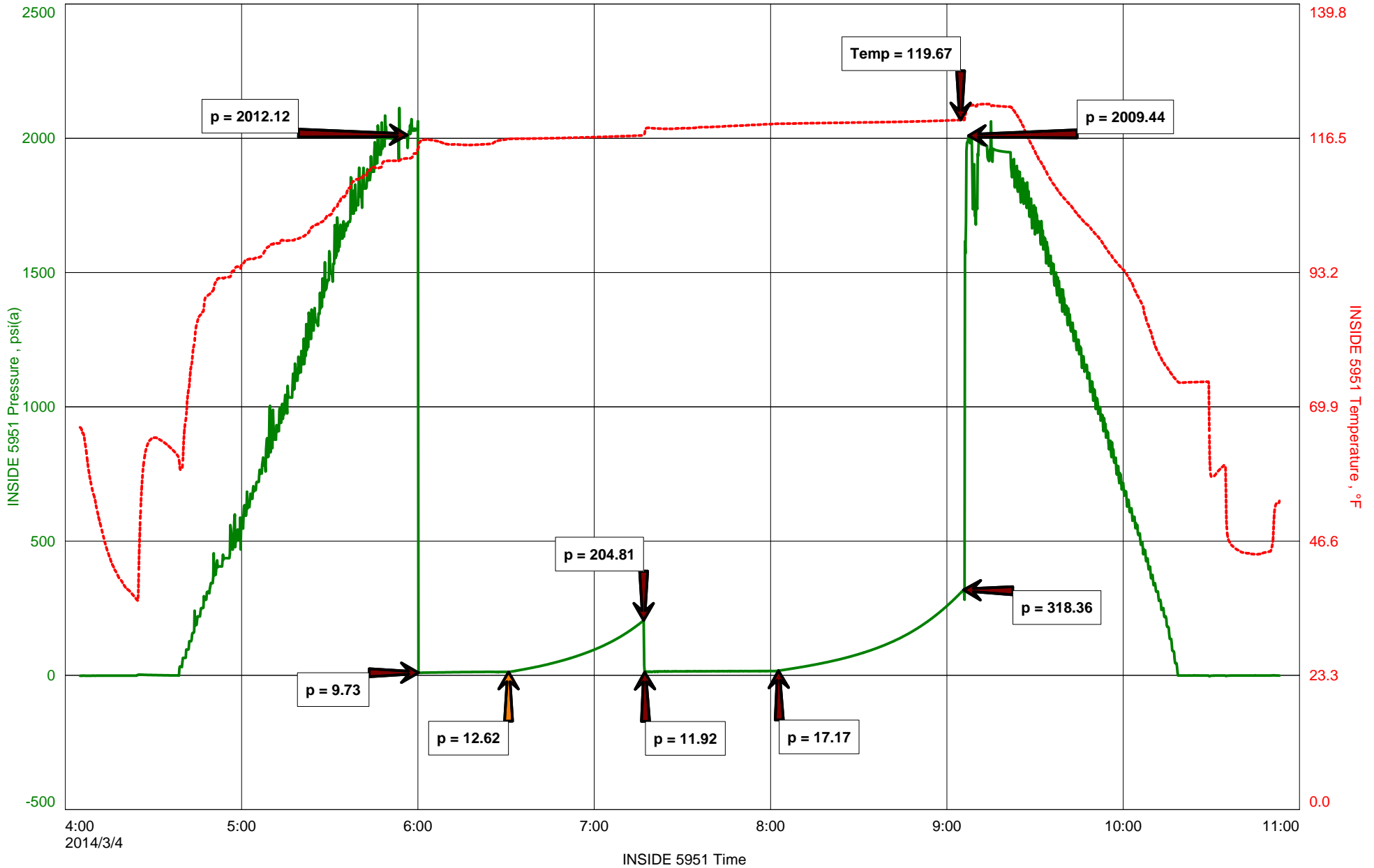
IHP: 2012
 IFP: 10-13
 ISIP: 205
 FFP: 12-17
 FSIP: 318
 FHP: 2009

THANKS!

LD DRILLING, INC.
Sec 30-14s-29w-GOVE COUNTY-KS
Start Test Date: 2014/03/04
Final Test Date: 2014/03/04

HARLEY #1-30
Formation: Ft. SCOTT,CHER.,JOHN. / 4145'-4250'
Pool: UNSPECIFIED
Job Number: F254

HARLEY #1-30





DIAMOND TESTING
 P.O. Box 157
 HOISINGTON, KANSAS 67544
 (800) 542-7313
DRILL-STEM TEST TICKET
 FILE: HARLEY1DST2

TIME ON: 4-Mar 4:05 am
 TIME OFF: 4-Mar 10:53 am

Company LD DRILLING, INC. Lease & Well No. HARLEY #1-30
 Contractor LD DRILLING, INC. Charge to LD DRILLING, INC.
 Elevation 2607' KB Formation Ft. SCOTT, CHER., JOHN. Effective Pay FIELD: LUNDGREN Ft. Ticket No. **F254**
 Date 4-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. TWO Interval Tested from 4,145 ft. to 4,250 ft. Total Depth 4,250 ft.
 Packer Depth 4,140 ft. Size 6 3/4 in. Packer depth 0 ft. Size 6 3/4 in.
 Packer Depth 4,145 ft. Size 6 3/4 in. Packer depth 0 ft. Size 6 3/4 in.
 Depth of Selective Zone Set 0

Top Recorder Depth (Inside) 4,101 ft. Recorder Number 5,951 Cap. 5,000 P.S.I.
 Bottom Recorder Depth (Outside) 4,213 ft. Recorder Number 5,584 Cap. 5,000 P.S.I.
 Below Straddle Recorder Depth 0 ft. Recorder Number 0 Cap. 0 P.S.I.

Mud Type CHEMICAL Viscosity 49 sec/qt (1# L.C.M.) Drill Collar Length 0 ft. I.D. 2 1/4 in.
 Weight 9.2 Water Loss 6.0 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
 Chlorides 1,200 P.P.M. Drill Pipe Length 4,112 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 105 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: **WEAK 1" BLOW, INCREASED TO 3". NO BLOW-BACK.**
 2nd Open: **WEAK 2" BLOW, INCREASED TO 5". NO BLOW-BACK.**

Recovered 20 ft. of OSM 2% O, 98% M
 Recovered 0 ft. of 100' G.I.P.
 Recovered 0 ft. of TOOL SAMPLE: OCM, 20% O, 80% M
 Recovered 0 ft. of _____
 Recovered 0 ft. of _____
 Recovered 0 ft. of _____

Price Job	\$1,225.00
JARS, SAFETY JOINT Other Charges	\$325.00
81 MILES R.T. @ \$ 1.40 Insurance	\$113.40
Total	\$1,663.40

Time Set Packer(s) 6:00 AM Time Started Off Bottom 9:00 AM Maximum Temperature 120 F

Initial Hydrostatic Pressure..... (A) 2,012 P.S.I.
 Initial Flow Period..... 6:00-6:30 Minutes 30 (B) 10 P.S.I. to (C) 13 P.S.I.
 Initial Closed In Period..... 6:30-7:15 Minutes 45 (D) 205 P.S.I.
 Final Flow Period..... 7:15-8:00 Minutes 45 (E) 12 P.S.I. to (F) 17 P.S.I.
 Final Closed In Period..... 8:00-9:00 Minutes 60 (G) 318 P.S.I.
 Final Hydrostatic Pressure..... (H) 2,009 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.