

15-185-23618

1-225-14w

DIAMOND TESTING

P.O. Box 157

HOISINGTON, KANSAS 67544

(620) 653-7550 • (800) 542-7313

STC 30037.D077

Page 1 of 2 Pages

Company L. D. Drilling, Inc. Lease & Well No. Hall "I" No. 1-1

Elevation 1937 KB Formation Lansing "B"- "F" Effective Pay -- Ft. Ticket No. R077

Date 3-28-10 Sec. 1 Twp. 22S Range 14W County Stafford State Kansas

Test Approved By Josh R. Austin Diamond Representative Randy Williams

Formation Test No. 1 Interval Tested from 3,424 ft. to 3,491 ft. Total Depth 3,491 ft.

Packer Depth 3,419 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Packer Depth 3,424 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Depth of Selective Zone Set ft.

Top Recorder Depth (Inside) 3,413 ft. Recorder Number 30037 Cap. 5,000 psi

Bottom Recorder Depth (Outside) 3,488 ft. Recorder Number 13386 Cap. 3,875 psi

Below Straddle Recorder Depth ft. Recorder Number Cap. psi

Drilling Contractor Duke Drilling Company, Inc. - Rig 2 Drill Collar Length -- ft. I.D. -- in.

Mud Type Chemical Viscosity 48 Weight Pipe Length -- ft. I.D. -- in.

Weight 9.3 Water Loss 11.2 cc. Drill Pipe Length 3,400 ft. I.D. 3 1/2 in.

Chlorides 5,000 P.P.M. Test Tool Length 24 ft. Tool Size 3 1/2 - IF in.

Jars: Make Sterling Serial Number Not Run Anchor Length 35' perf. w/32' drill pipe Size 4 1/2 - FH in.

Did Well Flow? No Reversed Out No Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 - XH in.

Blow: 1st Open: Strong blow, building. Off bottom of bucket in 7 mins. No blow back during shut-in.

2nd Open: Fair blow, building. Off bottom of bucket in 35 mins. No blow back during shut-in.

Recovered 390 ft. of gas in pipe

Recovered 30 ft. of oil & water cut mud = .426900 bbls. (Grind out: 2%-oil; 38%-water; 60%-mud)

Recovered 60 ft. of oil & gas cut muddy water = .853800 bbls. (Grind out: 3%-oil; 19%-gas; 35%-mud; 43%-water)

Recovered 90 ft. of TOTAL FLUID = 1.280700 bbls. Chlorides: 57,000 Ppm

Recovered ft. of PH: 8.0 R.W.: .08 @ 76°

Remarks Tool Sample Grind Out: 8%-oil; 20%-gas; 20%-mud; 52%-water

Time Set Packer(s) 11:22 ~~A.M.~~ P.M. Time Started Off Bottom 2:22 ~~A.M.~~ P.M. Maximum Temperature 100°

Initial Hydrostatic Pressure (A) 1634 P.S.I.

Initial Flow Period Minutes 30 (B) 10 P.S.I. to (C) 25 P.S.I.

Initial Closed In Period Minutes 45 (D) 1277 P.S.I.

Final Flow Period Minutes 45 (E) 28 P.S.I. to (F) 50 P.S.I.

Final Closed In Period Minutes 60 (G) 1267 P.S.I.

Final Hydrostatic Pressure (H) 1622 P.S.I.

DIAMOND TESTING

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Drill Test Report

General Information

Company Name L.D.DRILLING, INC

Contact L.D.DAVIS
Well Name HALL "I" # 1-1
Unique Well ID DST # 1 LANSING B-F 3424-3491
Surface Location SEC 1-22S-14W STAFFORD COUNTY
Field WILDCAT
Well Type Vertical

Job Number R077
Representative RANDY WILLIAMS
Well Operator L.D.DRILLING, INC
Report Date 2010/03/28
Prepared By RANDY WILLIAMS

Test Information

Test Type Drill Stem Test
Formation DST # 1 LANSING B-F 3424-3491
Well Fluid Type 01 Oil
Test Purpose (AEUB) Initial Test

Start Test Time 09:35:00
Final Test Time 16:16:00

Start Test Date 2010/03/28
Final Test Date 2010/03/28

Gauge Name 30037
Test Type Name

Test Results

RECOVERED: 390' GAS IN PIPE
30' OWCM, 2% OIL, 38% WATER, 60% MUD
60' GOMCW, 19% GAS, 3% OIL, 35% MUD, 43% WATER
PH- 8.0, CHLORIDES-57,000, RW-.08 @ 76 DEG

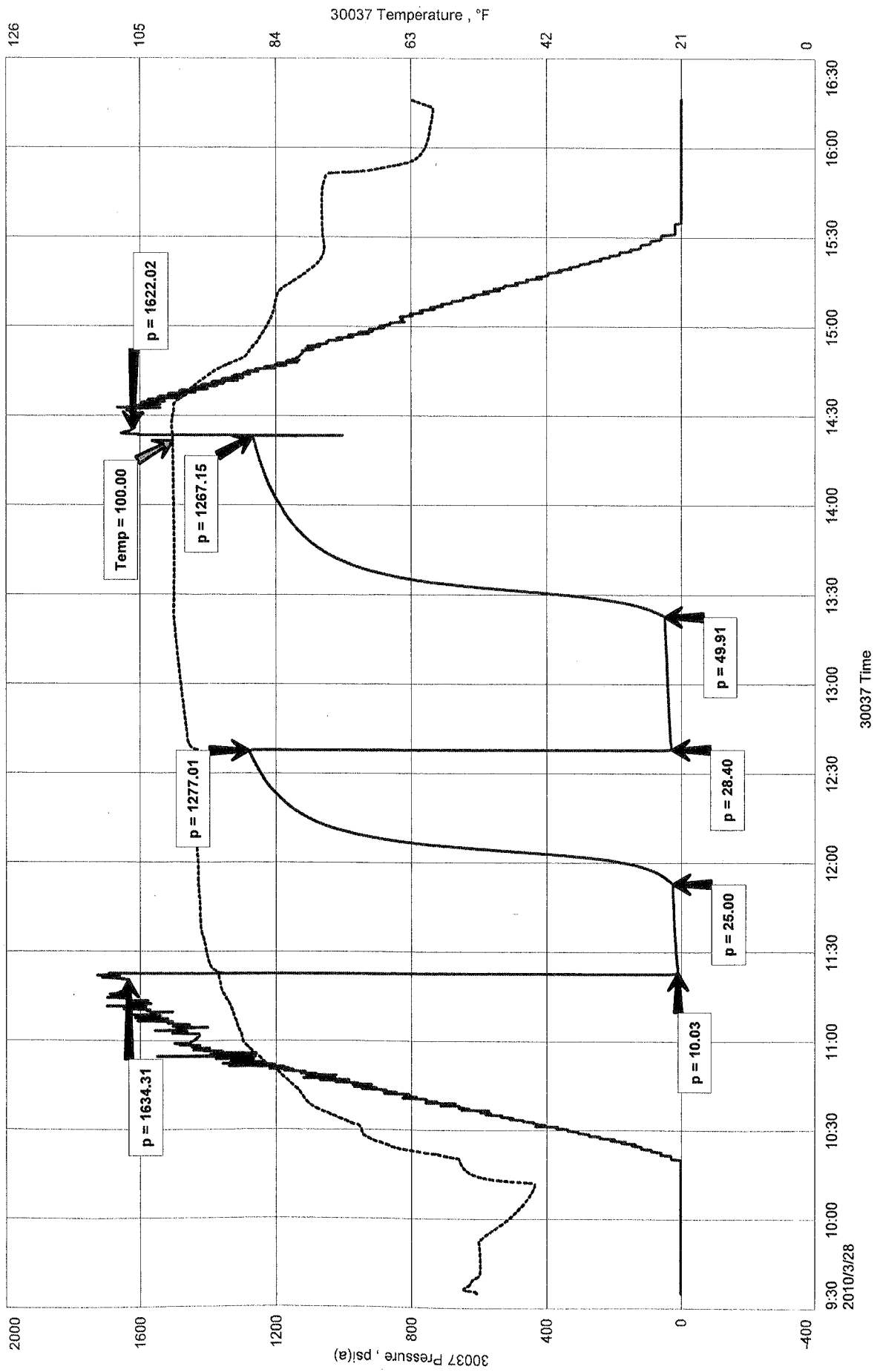
TOTAL FLUID: 90'

TOOL SAMPLE: 20% GAS, 8% OIL, 52% WATER, 20% MUD

L.D.DRILLING, INC
DST # 1 LANSING B-F 3424-3491
Start Test Date: 2010/03/28
Final Test Date: 2010/03/28

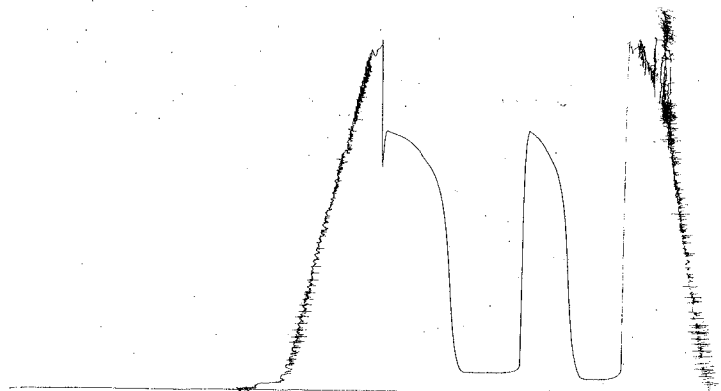
Formation: DST # 1 LANSING B-F 3424-3491
Pool: WILDCAT
Job Number: R077

HALL "I" # 1-1



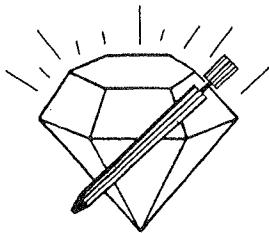
DST #1 OUTSIDE #13386
LANSING B-F

3424-3491
LOC-3488



This is an actual photograph of recorder chart.

POINT	PRESSURE		Elec.
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	1634	1634	PSI
(B) First Initial Flow Pressure.....	10	10	PSI
(C) First Final Flow Pressure	25	25	PSI
(D) Initial Closed-in Pressure	1277	1277	PSI
(E) Second Initial Flow Pressure	28	28	PSI
(F) Second Final Flow Pressure.....	50	50	PSI
(G) Final Closed-in Pressure.....	1267	1267	PSI
(H) Final Hydrostatic Mud	1622	1622	PSI



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Page 1 of 2 Pages

Company L. D. Drilling, Inc. Lease & Well No. Hall "I" No. 1-1
Elevation 1937 KB Formation Lansing "I" & "J" Effective Pay -- Ft. Ticket No. R078
Date 3-29-10 Sec. 1 Twp. 22S Range 14W County Stafford State Kansas
Test Approved By Josh R. Austin Diamond Representative Randy Williams
Formation Test No. 2 Interval Tested from 3,545 ft. to 3,590 ft. Total Depth 3,590 ft.
Packer Depth 3,540 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.
Packer Depth 3,545 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.
Depth of Selective Zone Set ft.
Top Recorder Depth (Inside) 3,534 ft. Recorder Number 30037 Cap. 5,000 psi
Bottom Recorder Depth (Outside) 3,587 ft. Recorder Number 13386 Cap. 3,875 psi
Below Straddle Recorder Depth ft. Recorder Number Cap. psi
Drilling Contractor Duke Drilling Company, Inc. - Rig 2 Drill Collar Length -- ft. I.D. -- in.
Mud Type Chemical Viscosity 48 Weight Pipe Length -- ft. I.D. -- in.
Weight 9.3 Water Loss 11.2 cc. Drill Pipe Length 3,521 ft. I.D. 3 1/2 in.
Chlorides 5,000 P.P.M. Test Tool Length 24 ft. Tool Size 3 1/2 - IF in.
Jars: Make Sterling Serial Number Not Run Anchor Length 45 ft. Size 4 1/2 - FH in.
Did Well Flow? No Reversed Out No Surface Choke Size 1 in. Bottom Choke Size 5/8 in.
Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 - XH in.
Blow: 1st Open: Fair blow, building. Off bottom of bucket in 17 mins. No blow back during shut-in.
2nd Open: Strong blow, building. Off bottom of bucket in 1 min. No blow back during shut-in.
Recovered 580 ft. of gas in pipe
Recovered 20 ft. of oil cut mud = .284600 bbls. (Grind out: 20%-oil; 80%-mud)
Recovered 60 ft. of gas & water cut oily mud = .853800 bbls. (Grind out: 10%-gas; 15%-water; 30%-oil; 45%-mud)
Recovered 80 ft. of TOTAL FLUID = 1.138400 bbls. Chlorides: 21,000 Ppm
Recovered ft. of PH: 8.0
Remarks Tool Sample Grind Out: 16%-water; 40%-mud; 44%-oil

Time Set Packer(s) 5:01 ~~P.M.~~ A.M. Time Started Off Bottom 8:01 ~~P.M.~~ A.M. Maximum Temperature 102°
Initial Hydrostatic Pressure (A) 1703 P.S.I.
Initial Flow Period Minutes 30 (B) 9 P.S.I. to (C) 26 P.S.I.
Initial Closed In Period Minutes 45 (D) 550 P.S.I.
Final Flow Period Minutes 45 (E) 31 P.S.I. to (F) 42 P.S.I.
Final Closed In Period Minutes 60 (G) 567 P.S.I.
Final Hydrostatic Pressure (H) 1691 P.S.I.

DIAMOND TESTING

Page 2 of 2 Pages

Drill Test Report

General Information

Company Name L.D.DRILLING, INC

Contact

L.D.DAVIS

Well Name

HALL "I" # 1-1

Unique Well ID

DST # 2 LANSING I-J 3545-3590

Surface Location

SEC 1-22S-14W STAFFORD COUNTY

Field

WILDCAT

Well Type

Vertical

Job Number

R078

Representative

RANDY WILLIAMS

Well Operator

L.D.DRILLING, INC

Report Date

2010/03/29

Prepared By

RANDY WILLIAMS

Test Information

Test Type

Drill Stem Test

Formation

DST # 2 LANSING I-J 3545-3590

Well Fluid Type

01 Oil

Test Purpose (AEUB)

Initial Test

Start Test Time

03:05:00

Final Test Time

10:24:00

Start Test Date

2010/03/29

Final Test Date

2010/03/29

Gauge Name

30037

Test Type Name

Test Results

RECOVERED: 580' GAS IN PIPE

20' OCM, 20% OIL, 80% MUD

60' GWOCM, 10% GAS, 30% OIL, 15% WATER, 45% MUD

PH- 8.0, CHLORIDES- 21,000

TOTAL FLUID: 80'

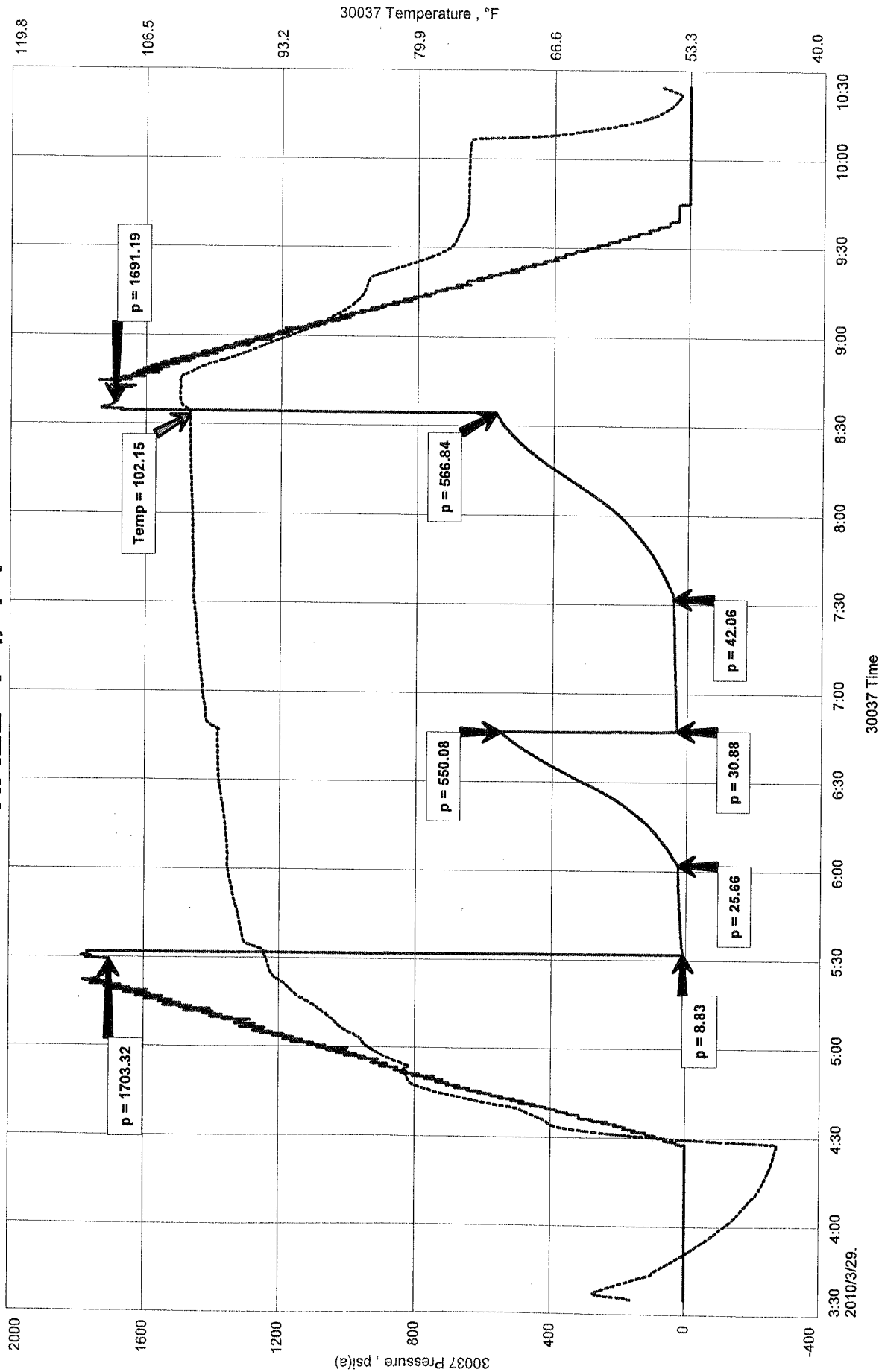
TOOL SAMPLE: 44% OIL, 16% WATER, 40% MUD

L.D.DRILLING, INC
 DST # 2 LANSING I-J 3545-3590
 Start Test Date: 2010/03/29
 Final Test Date: 2010/03/29

Formation: DST # 2 LANSING I-J 3545-3590
 Pool: WILDCAT
 Job Number: R078

HALL "I" # 1-1

HALL "I" # 1-1

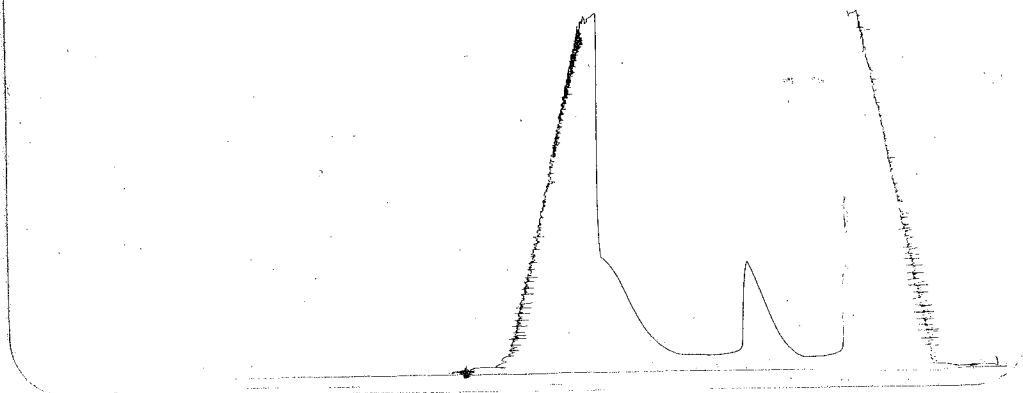


DST #2 OUTSIDE #13386

3545-3590

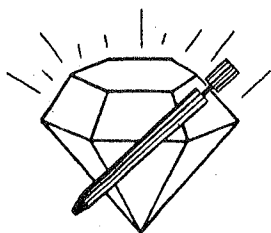
LOC-3587

LANSING I-J



This is an actual photograph of recorder chart.

POINT	PRESSURE		Elec.
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	1703	1703	PSI
(B) First Initial Flow Pressure.....	9	9	PSI
(C) First Final Flow Pressure	26	26	PSI
(D) Initial Closed-in Pressure	550	550	PSI
(E) Second Initial Flow Pressure	31	31	PSI
(F) Second Final Flow Pressure.....	42	42	PSI
(G) Final Closed-in Pressure.....	567	567	PSI
(H) Final Hydrostatic Mud	1691	1691	PSI



DIAMOND TESTING

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STC 30037.D079

Page 1 of 2 Pages

Company L. D. Drilling, Inc. Lease & Well No. Hall "I" No. 1-1

Elevation 1937 KB Formation Arbuckle Effective Pay -- Ft. Ticket No. R079

Date 3-30-10 Sec. 1 Twp. 22S Range 14W County Stafford State Kansas

Test Approved By Josh R. Austin Diamond Representative Randy Williams

Formation Test No. 3 Interval Tested from 3,698 ft. to 3,760 ft. Total Depth 3,760 ft.

Packer Depth 3,693 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Packer Depth 3,698 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Depth of Selective Zone Set -- ft.

Top Recorder Depth (Inside) 3,687 ft. Recorder Number 30037 Cap. 5,000 psi

Bottom Recorder Depth (Outside) 3,757 ft. Recorder Number 13386 Cap. 3,875 psi

Below Straddle Recorder Depth -- ft. Recorder Number -- Cap. -- psi

Drilling Contractor Duke Drilling Company, Inc. - Rig 2 Drill Collar Length -- ft. I.D. -- in.

Mud Type Chemical Viscosity 57 Weight Pipe Length -- ft. I.D. -- in.

Weight 8.5 Water Loss 11.2 cc. Drill Pipe Length 3,674 ft. I.D. 3 1/2 in.

Chlorides 7,000 P.P.M. Test Tool Length 24 ft. Tool Size 3 1/2 - IF in.

Jars: Make Sterling Serial Number Not Run Anchor Length 31' perf. w/31' drill pipe Size 4 1/2 - FH in.

Did Well Flow? No Reversed Out No Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 - XH in.

Blow: 1st Open: Fair blow, building. Off bottom of bucket in 8 mins. Weak, surface blow back during shut-in.
2nd Open: Fair blow, building. Off bottom of bucket in 9 mins. Weak, surface blow back during shut-in.

Recovered 167 ft. of gas in pipe

Recovered 511 ft. of clean oil = 7.271530 bbls.

Recovered 186 ft. of gas & mud cut oil = 2.646780 bbls. (Grind out: 10%-gas; 23%-mud; 67%-oil)

Recovered 697 ft. of TOTAL FLUID = 9.918310 bbls.

Recovered -- ft. of --

Remarks Tool Sample Grind Out: Clean oil

Time Set Packer(s) 1:15 ~~P.M.~~ A.M. Time Started Off Bottom 4:15 ~~P.M.~~ A.M. Maximum Temperature 113°

Initial Hydrostatic Pressure (A) 1793 P.S.I.

Initial Flow Period Minutes 30 (B) 40 P.S.I. to (C) 159 P.S.I.

Initial Closed In Period Minutes 45 (D) 1205 P.S.I.

Final Flow Period Minutes 45 (E) 156 P.S.I. to (F) 288 P.S.I.

Final Closed In Period Minutes 60 (G) 1193 P.S.I.

Final Hydrostatic Pressure (H) 1782 P.S.I.

DIAMOND TESTING

Page 2 of 2 Pages

Drill Test Report

General Information

Company Name L.D.DRILLING, INC

Contact	L.D.DAVIS
Well Name	HALL "I" # 1-1
Unique Well ID	DST # 3 ARBUCKLE 3698-3760
Surface Location	SEC 1-22S-14W STAFFORD COUNTY
Field	WILDCAT
Well Type	Vertical

Job Number	R079
Representative	RANDY WILLIAMS
Well Operator	L.D.DRILLING, INC
Report Date	2010/03/30
Prepared By	RANDY WILLIAMS

Test Information

Test Type	Drill Stem Test
Formation	DST # 3 ARBUCKLE 3698-3760
Well Fluid Type	01 Oil
Test Purpose (AEUB)	Initial Test

Start Test Time	22:40:00
Final Test Time	07:19:00

Start Test Date	2010/03/30
Final Test Date	2010/03/30

Gauge Name	30037
Test Type Name	

Test Results

RECOVERED: 167' GAS IN PIPE
511' CLEAN OIL
186' 10% GAS, 67% OIL, 23% MUD

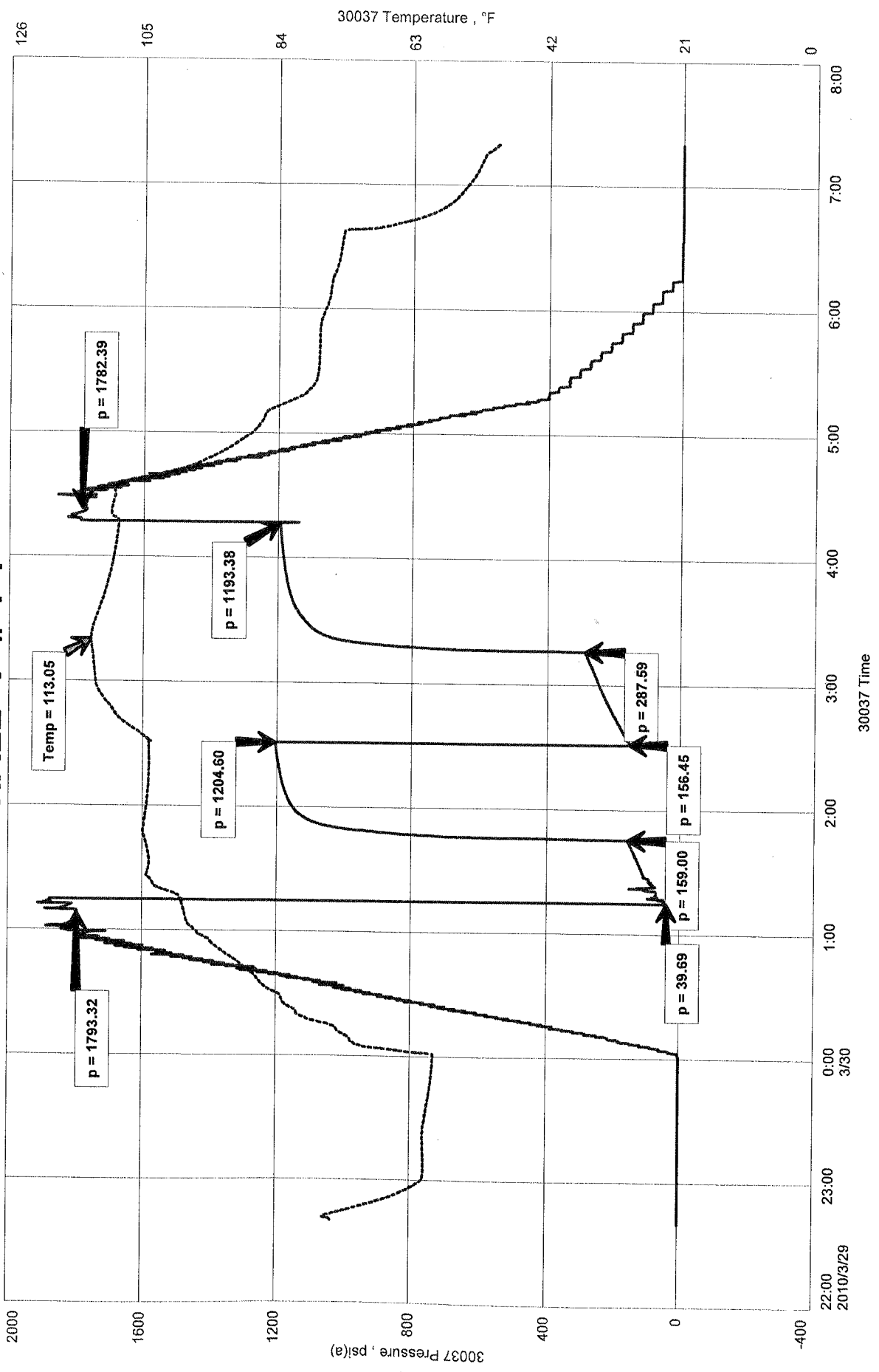
TOTAL FLUID: 697'

TOOL SAMPLE: CLEAN OIL

L.D.DRILLING, INC
 DST # 3 ARBUCKLE 3698-3760
 Start Test Date: 2010/03/30
 Final Test Date: 2010/03/30

Formation: DST # 3 ARBUCKLE 3698-3760
 Pool: WILDCAT
 Job Number: R079

HALL "I" # 1-1

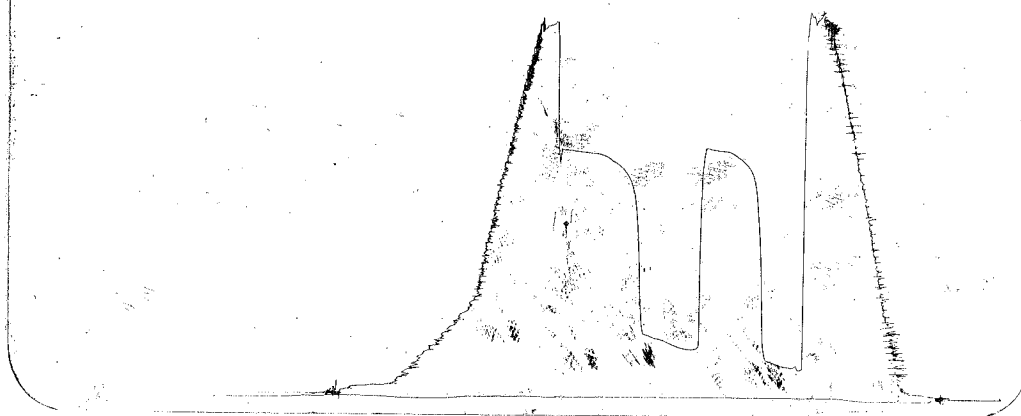


DST #3 OUTSIDE #13386

ARBuckle

3698-3760

LOC-3757



This is an actual photograph of recorder chart.

POINT	PRESSURE	
	Field Reading	Elec. Office Reading
(A) Initial Hydrostatic Mud	1793	1793
(B) First Initial Flow Pressure.....	40	40
(C) First Final Flow Pressure	159	159
(D) Initial Closed-in Pressure	1205	1205
(E) Second Initial Flow Pressure	156	156
(F) Second Final Flow Pressure.....	288	288
(G) Final Closed-in Pressure	1193	1193
(H) Final Hydrostatic Mud	1782	1782