

15-185-23601

15-21s-12w

DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(620) 653-7550 • (800) 542-7313
STC 30037.D 033

Company L. D. Drilling, Inc. Lease & Well No. Frontier No. 1-15
Elevation 1845 KB Formation Lansing "B" - "F" Effective Pay -- Ft. Ticket No. R033
Date 1-09-10 Sec. 15 Twp. 21S Range 12W County Stafford State Kansas

Test Approved By Josh R. Austin Diamond Representative Randy Williams
Formation Test No. 1 Interval Tested from 3,240 ft. to 3,305 ft. Total Depth 3,305 ft.
Packer Depth 3,235 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.
Packer Depth 3,240 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.
Depth of Selective Zone Set ft.

Top Recorder Depth (Inside) 3,229 ft. Recorder Number 30037 Cap. 5,000 psi
Bottom Recorder Depth (Outside) 3,302 ft. Recorder Number 13387 Cap. 3,900 psi
Below Straddle Recorder Depth ft. Recorder Number Cap. psi

Drilling Contractor Petromark Drilling, LLC - Rig 2 Drill Collar Length 122 ft. I.D. 2 1/4 in.
Mud Type Chemical Viscosity 83 Weight Pipe Length -- ft. I.D. -- in.
Weight 9.2 Water Loss 12.8 cc. Drill Pipe Length 3,094 ft. I.D. 3 1/2 in.
Chlorides 8,000 P.P.M. Test Tool Length 24 ft. Tool Size 3 1/2 - IF in.
Jars: Make Sterling Serial Number Not Run Anchor Length 34' 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: Strong blow, building. Off bottom of bucket in 1 min. No blow back during shut-in.
2nd Open: Strong blow, building. Off bottom of bucket in 1 1/2 mins. Weak blow back during shut-in. (SEE GAS VOLUME REPORT.)

Recovered 30 ft. of oily gassy mud = .426900 bbls. (Grind out: 2%-oil; 3%-gas; 95%-mud)
Recovered 180 ft. of gassy oily mud = 2.542780 bbls. (Grind out: 20%-gas; 40%-oil; 40%-mud)
Recovered 60 ft. of oily gassy watery mud = .295200 bbls. (Grind out: 3%-oil; 17%-gas; 40%-water; 40%-mud)
Recovered 60 ft. of muddy water = .295200 bbls. (Grind out: 40%-mud; 60%-water) Chlorides: 89,000 Ppm PH: 7.0
Recovered 330 ft. of TOTAL FLUID = 3.560080 bbls. RW: .8 @ 60°

Remarks

Time Set Packer(s)	<u>7:22</u>	<u>A.M.</u>	Time Started Off Bottom	<u>10:22</u>	<u>A.M.</u>	Maximum Temperature	<u>99°</u>
		<u>P.M.</u>			<u>P.M.</u>		
Initial Hydrostatic Pressure			(A)	<u>1517</u>		P.S.I.	
Initial Flow Period			Minutes	<u>30</u>	(B)	<u>25</u>	P.S.I. to (C) <u>77</u> P.S.I.
Initial Closed In Period			Minutes	<u>45</u>	(D)	<u>909</u>	P.S.I.
Final Flow Period			Minutes	<u>45</u>	(E)	<u>83</u>	P.S.I. to (F) <u>142</u> P.S.I.
Final Closed In Period			Minutes	<u>60</u>	(G)	<u>890</u>	P.S.I.
Final Hydrostatic Pressure			(H)	<u>1519</u>		P.S.I.	

DIAMOND TESTING

Page 2 of 3 Pages
Drill Test Report

General Information

Company Name L.D.DRILLING, INC.

Contact L.D.DAVIS
Well Name FRONTIER # 1-15
Unique Well ID DST #1 LANSING B-F 3240-3305
Surface Location SEC 15-21S-12W STAFFORD COUNTY
Field WILDCAT
Well Type Vertical

Job Number R033
Representative RANDY WILLIAMS
Well Operator L.D.DRILLING, INC.
Report Date 2010/01/09
Prepared By RANDY WILLIAMS

Test Information

Test Type Drill Stem Test
Formation DST #1 LANSING B-F 3240-3305
Well Fluid Type 01 Oil
Test Purpose (AEUB) Initial Test

Start Test Time 03:22:00
Final Test Time 12:45:00

Start Test Date 2010/01/09
Final Test Date 2010/01/09

Gauge Name 30037
Test Type Name

Test Results

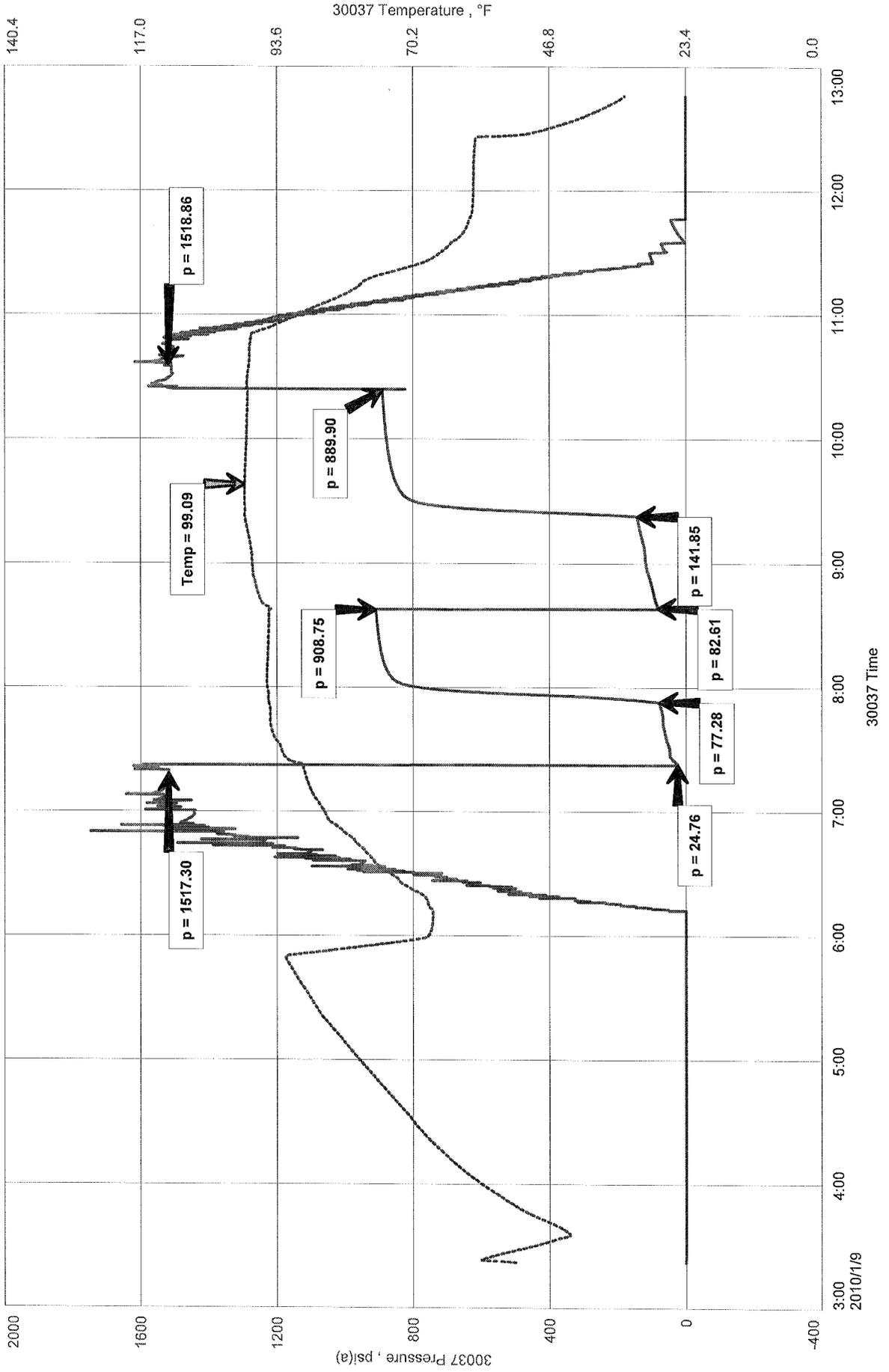
RECOVERED: 30' OGM, 2% OIL, 3% GAS, 95% MUD
180' GOM, 20% GAS, 40% OIL, 40% MUD
60' OGWM, 3% OIL, 17% GAS, 40% WATER, 40% MUD
60' MW, 40% MUD, 60% WATER

TOTAL FLUID: 330'

L.D.DRILLING, INC.
DST #1 LANSING B-F 3240-3305
Start Test Date: 2010/01/09
Final Test Date: 2010/01/09

FRONTIER # 1-15
Formation: DST #1 LANSING B-F 3240-3305
Pool: WILDCAT
Job Number: R033

FRONTIER # 1-15

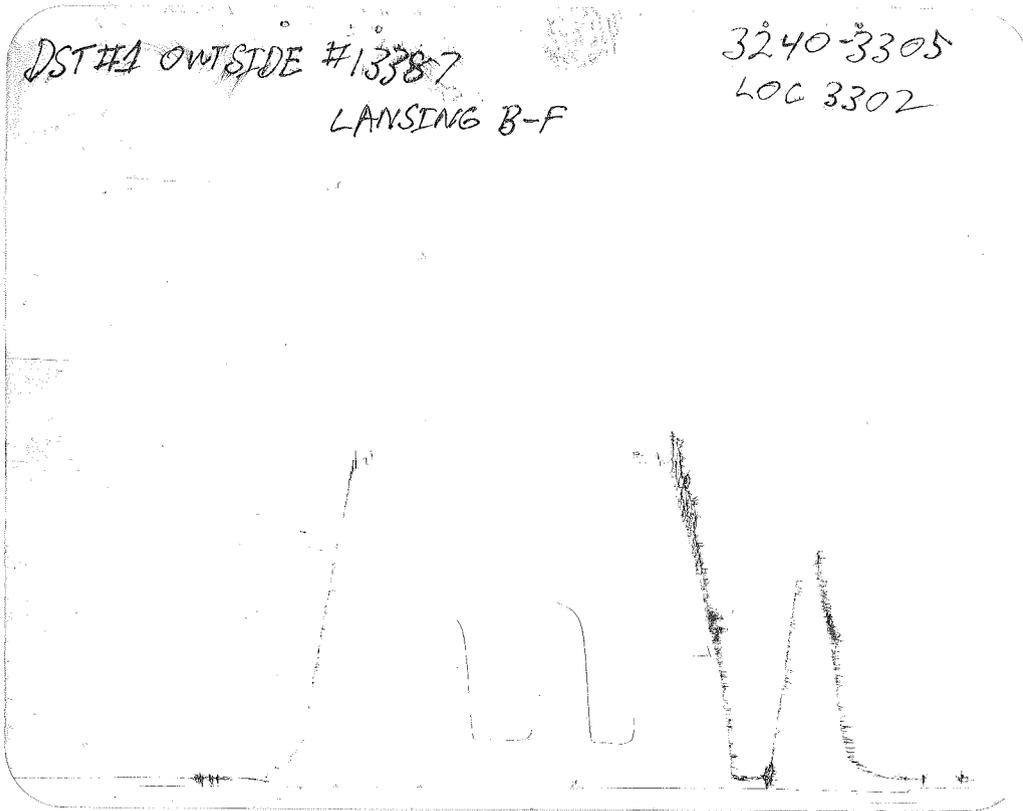


DST#1 OUTSIDE #13387

LANSING B-F

3240-3305

LOC 3302



This is an actual photograph of recorder chart.

POINT	PRESSURE Elec.		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	1517	1517	PSI
(B) First Initial Flow Pressure	25	25	PSI
(C) First Final Flow Pressure	77	77	PSI
(D) Initial Closed-in Pressure	909	909	PSI
(E) Second Initial Flow Pressure	83	83	PSI
(F) Second Final Flow Pressure	142	142	PSI
(G) Final Closed-in Pressure	890	890	PSI
(H) Final Hydrostatic Mud	1519	1519	PSI



DIAMOND TESTING

P.O. Box 157

HOISINGTON, KANSAS 67544

(620) 653-7550 • (800) 542-7313

STC 30037.D 034

Company L. D. Drilling, Inc. Lease & Well No. Frontier No. 1-15
 Elevation 1845 KB Formation Lansing "H" - "J" Effective Pay -- Ft. Ticket No. R034
 Date 1-10-10 Sec. 15 Twp. 21S Range 12W County Stafford State Kansas

Test Approved By Josh R. Austin Diamond Representative Randy Williams

Formation Test No. 2 Interval Tested from 3,350 ft. to 3,410 ft. Total Depth 3,410 ft.

Packer Depth 3,345 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Packer Depth 3,350 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Depth of Selective Zone Set ft.

Top Recorder Depth (Inside) 3,339 ft. Recorder Number 30037 Cap. 5,000 psi

Bottom Recorder Depth (Outside) 3,407 ft. Recorder Number 13387 Cap. 3,900 psi

Below Straddle Recorder Depth ft. Recorder Number Cap. psi

Drilling Contractor Petromark Drilling, LLC - Rig 2 Drill Collar Length 122 ft. I.D. 2 1/4 in.

Mud Type Chemical Viscosity 83 Weight Pipe Length -- ft. I.D. -- in.

Weight 9.2 Water Loss 12.8 cc. Drill Pipe Length 3,204 ft. I.D. 3 1/2 in.

Chlorides 8,000 P.P.M. Test Tool Length 24 ft. Tool Size 3 1/2 - IF in.

Jars: Make Sterling Serial Number Not Run Anchor Length 29' 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. Off bottom of bucket in 4 mins. Gas to surface 10 mins. into open. Weak surface blow back during shut-in. (SEE GAS VOLUME REPORT.)

2nd Open: Fair blow. Off bottom of bucket in 2 mins. Weak surface blow back during shut-in. (SEE GAS VOLUME REPORT.)

Recovered 5 ft. of mud = .071150 bbls. (Grind out: 5%-gas; 95%-mud)

Recovered 60 ft. of gassy oily mud = .853800 bbls. (Grind out: 20%-gas; 25%-oil; 55%-mud)

Recovered 180 ft. of oily muddy gas = 1.984180 bbls. (Grind out: 25%-oil; 30%-mud; 45%-gas)

Recovered 60 ft. of gassy oily muddy water = .295200 bbls. (Grind out: 10%-gas; 10%-oil; 30%-mud; 50%-water)

Recovered 305 ft. of TOTAL FLUID = 3.204330 bbls. Chlorides: 55,000 Ppm PH: 7.0 RW: 1.2 @ 63°

Remarks

Time Set Packer(s) 2:55 A.M. P.M. Time Started Off Bottom 5:55 A.M. P.M. Maximum Temperature 99°

Initial Hydrostatic Pressure (A) 1572 P.S.I.

Initial Flow Period Minutes 30 (B) 26 P.S.I. to (C) 100 P.S.I.

Initial Closed In Period Minutes 45 (D) 736 P.S.I.

Final Flow Period Minutes 45 (E) 96 P.S.I. to (F) 141 P.S.I.

Final Closed In Period Minutes 60 (G) 651 P.S.I.

Final Hydrostatic Pressure (H) 1549 P.S.I.

DIAMOND TESTING

Page 2 of 3 Pages
Drill Test Report

General Information

Company Name L.D.DAVIS DRILLING, INC.

Contact L.D.DAVIS
Well Name FRONTIER # 1-15
Unique Well ID DST #2 LANSING H,I,J 3350-3410
Surface Location SE15-21S-12W STAFFORD COUNTY
Field WILDCAT
Well Type Vertical

Job Number R034
Representative RANDY WILLIAMS
Well Operator L.D.DAVIS DRILLING, INC
Report Date 2010/01/10
Prepared By RANDY WILLIAMS

Test Information

Test Type Drill Stem Test
Formation DST #2 LANSING H,I,J 3350-3410
Well Fluid Type 01 Oil
Test Purpose (AEUB) Initial Test

Start Test Time 01:00:00
Final Test Time 08:28:00

Start Test Date 2010/01/10
Final Test Date 2010/01/10

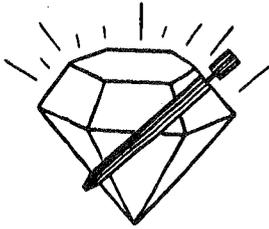
Gauge Name 30037
Test Type Name

Test Results

RECOVERED: 5' MUD, 5% GAS, 95% MUD
60' GOM, 20% GAS, 25% OIL, 55% OIL
180' OGM, 25% OIL, 30% MUD, 45% GAS
60' GOMW, 10% GAS, 10% OIL, 30% MUD, 50% WATER
PH-7.0, CHLORIDES- 55,000, RW-1.2 @ 63 DEG

TOTAL FLUID: 310'

TOOL SAMPLE: NO SAMPLE



DIAMOND TESTING
 P.O. Box 157
HOISINGTON, KANSAS 67544
 (620) 653-7550 • (800) 542-7313

GAS VOLUME REPORT

Company L. D. Drilling, Inc. Lease & Well No. Frontier No. 1-15
 Date 1-10-10 Sec. 15 Twp. 21 S Rge. 12 W Location 1,850' FSL & 1,620' FWL, SEC County Stafford State KS
 Drilling Contractor Petromark Drilling, LLC - Rig 2 Formation Lansing "H" - "J" DST No. 2
 Remarks: 1st Open: Gas to surface in 10 mins.

INITIAL FLOW

Open Tool: 2:55 a.m.

Time O'Clock	Orifice Size	Gauge	CF/D
3:05 a.m.	1/8 in.	1.5 psi	3,390
3:15 a.m.	1/8 in.	1.5 psi	3,390
3:25 a.m.	1/8 in.	1.5 psi	3,390

FINAL FLOW

Open Tool: 4:10 a.m.

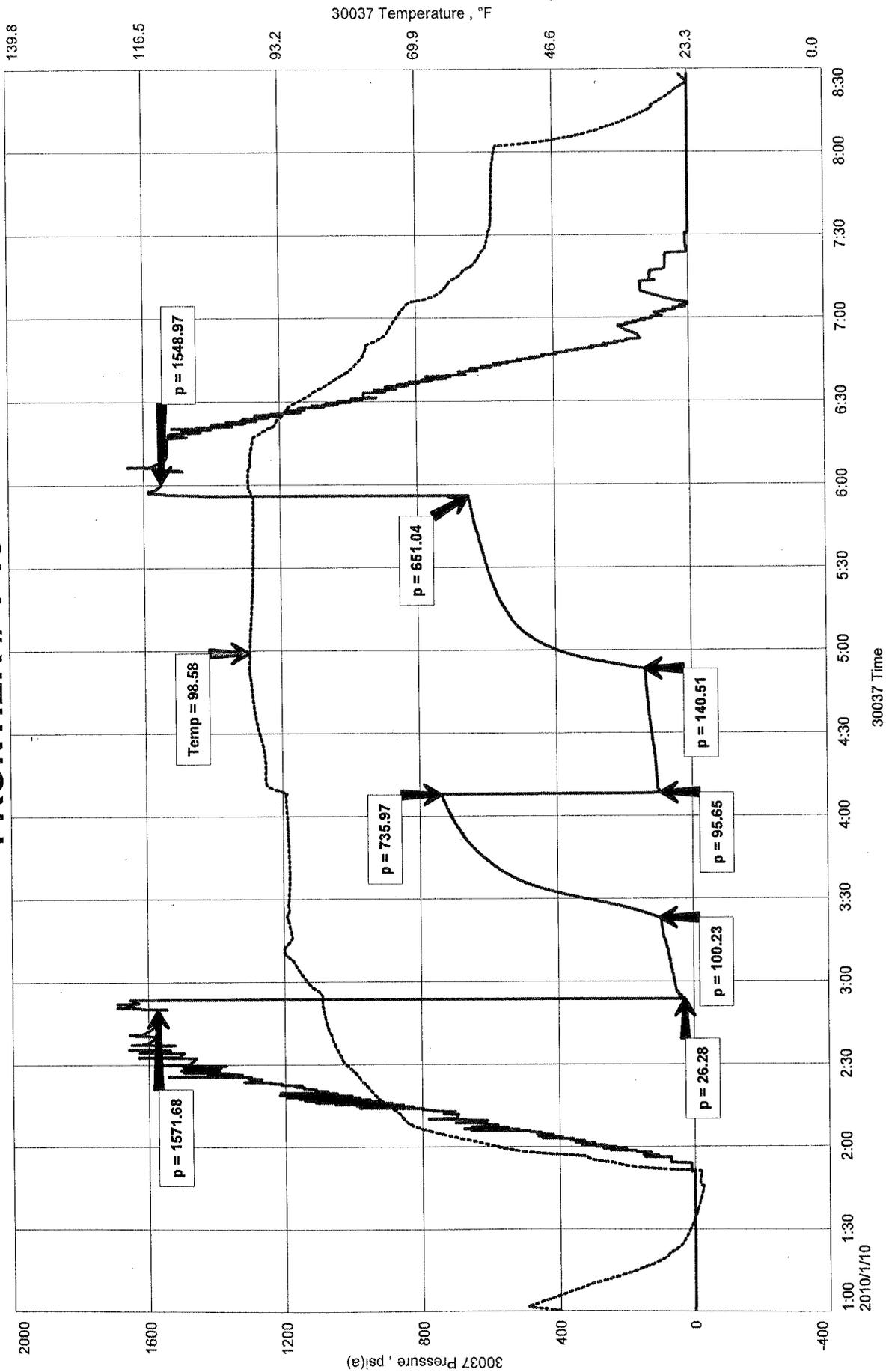
Time O'Clock	Orifice Size	Gauge	CF/D
4:20 a.m.	1/8 in.	2 psi	3,920
4:30 a.m.	1/8 in.	2 psi	3,920
* 4:40 a.m.	1/8 in.	2 psi	3,920
4:50 a.m.	1/8 in.	2 psi	3,920

* Gas sample taken.

FRONTIER # 1-15
Formation: DST #2 LANSING H.I.,J 3350-3410
Pool: WILDCAT
Job Number: R034

L.D.DRILLING, INC.
DST #2 LANSING H.I.,J 3350-3410
Start Test Date: 2010/01/10
Final Test Date: 2010/01/10

FRONTIER # 1-15

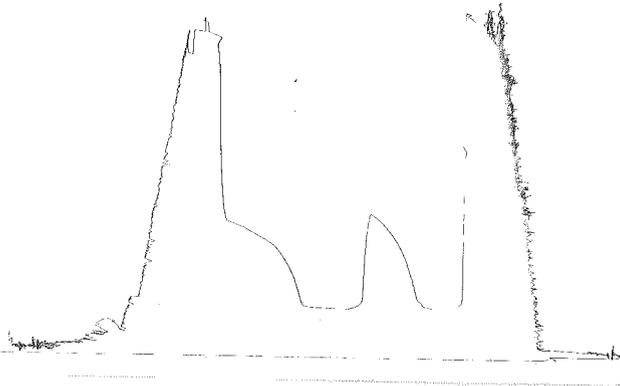


DST # 2 OUTSIDE #13387

LANSING H, E, O

3350-3410

LOC 3407



This is an actual photograph of recorder chart.

POINT	PRESSURE		Elec. Office Reading	PSI
	Field Reading			
(A) Initial Hydrostatic Mud	1572	1572		PSI
(B) First Initial Flow Pressure	26	26		PSI
(C) First Final Flow Pressure	100	100		PSI
(D) Initial Closed-in Pressure	736	736		PSI
(E) Second Initial Flow Pressure	96	96		PSI
(F) Second Final Flow Pressure	141	141		PSI
(G) Final Closed-in Pressure	651	651		PSI
(H) Final Hydrostatic Mud	1549	1549		PSI



DIAMOND TESTING

P.O. Box 157
HOISINGTON, KANSAS 67544
(620) 653-7550 • (800) 542-7313
STC 30037.D035

Company L. D. Drilling, Inc. Lease & Well No. Frontier No. 1-15

Elevation 1845 KB Formation Conglomerate/Viola Effective Pay Ft. Ticket No. R035

Date 1-10-10 Sec. 15 Twp. 21S Range 12W County Stafford State Kansas

Test Approved By Josh R. Austin Diamond Representative Randy Williams

Formation Test No. 3 Interval Tested from 3,450 ft. to 3,500 ft. Total Depth 3,500 ft.

Packer Depth 3,445 ft. Size 6 3/4 in. Packer Depth ft. Size in.

Packer Depth 3,450 ft. Size 6 3/4 in. Packer Depth ft. Size in.

Depth of Selective Zone Set ft.

Top Recorder Depth (Inside) 3,439 ft. Recorder Number 30037 Cap. 5,000 psi

Bottom Recorder Depth (Outside) 3,497 ft. Recorder Number 13387 Cap. 3,900 psi

Below Straddle Recorder Depth ft. Recorder Number Cap. psi

Drilling Contractor Petromark Drilling, LLC - Rig 2 Drill Collar Length 122 ft. I.D. 2 1/4 in.

Mud Type Chemical Viscosity 64 Weight Pipe Length ft. I.D. in.

Weight 9.2 Water Loss 10.4 cc. Drill Pipe Length 3,304 ft. I.D. 3 1/2 in.

Chlorides 10,000 P.P.M. Test Tool Length 24 ft. Tool Size 3 1/2 - IF in.

Jars: Make Sterling Serial Number Not Run Anchor Length 50 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: Weak blow, building to 1 in. in 30 mins. No blow back during shut-in.

2nd Open: Weak, surface blow. Dead in 17 mins. No blow back during shut-in.

Recovered 15 ft. of oil specked mud = .073800 bbls. (Grind out: 1%-oil; 99%-mud)

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks Tool Sample Grind Out: 1%-oil; 99%-mud

Time Set Packer(s) 8:05 ^{AM}_{P.M.} Time Started Off Bottom 10:05 ^{AM}_{P.M.} Maximum Temperature 93°

Initial Hydrostatic Pressure (A) 1621 P.S.I.

Initial Flow Period Minutes 30 (B) 8 P.S.I. to (C) 11 P.S.I.

Initial Closed In Period Minutes 30 (D) 32 P.S.I.

Final Flow Period Minutes 30 (E) 13 P.S.I. to (F) 13 P.S.I.

Final Closed In Period Minutes 30 (G) 25 P.S.I.

Final Hydrostatic Pressure (H) 1612 P.S.I.

DIAMOND TESTING

General Information

Company Name L.D.DAVIS DRILLING, INC.

Contact L.D.DAVIS
Well Name FRONTIER # 1-15
Unique Well ID DST #3 CONG-VIOLA 3450-3500
Surface Location SEC 15-21S-12W
Field WILDCAT
Well Type Vertical

Job Number R035
Representative RANDY WILLIAMS
Well Operator L.D.DAVIS DRILLING
Report Date 2010/01/10
Prepared By RANDY WILLIAMS

Test Information

Test Type Drill Stem Test
Formation DST #3 CONG-VIOLA 3450-3500
Well Fluid Type 01 Oil
Test Purpose (AEUB) Initial Test

Start Test Time 18:40:00
Final Test Time 23:36:00

Start Test Date 2010/01/10
Final Test Date 2010/01/10

Gauge Name 30037
Test Type Name

Test Results

RECOVERED: 15' OIL SPEKED MUD, 1% OIL, 99% MUD

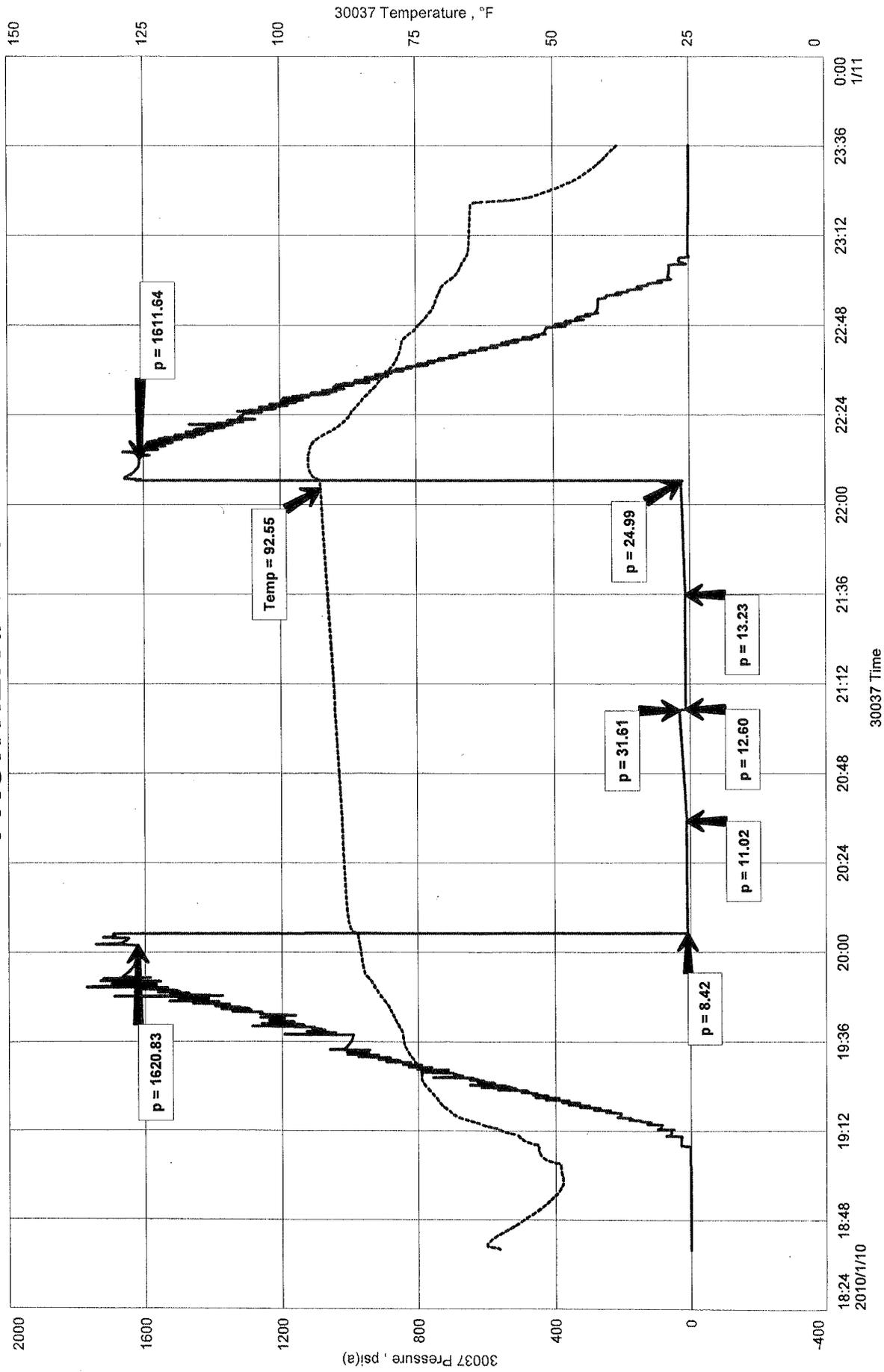
TOTAL FLUID: 15'

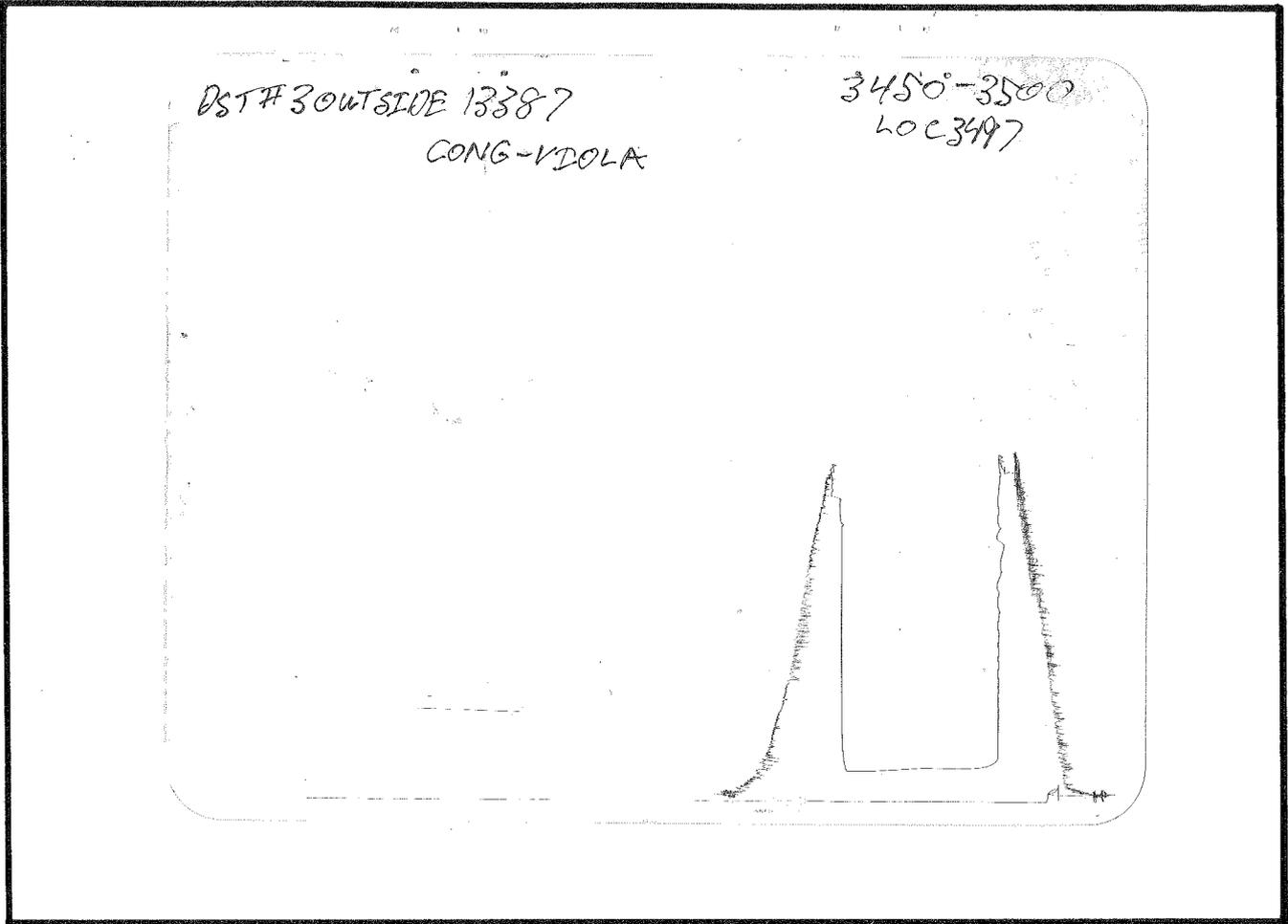
TOOL SAMPLE: 1% OIL, 99% MUD

FRONTIER # 1-15
 Formation: DST #3 CONG-VIOLA 3450-3500
 Pool: WILDCAT
 Job Number: R035

L.D.DRILLING, INC.
 DST #3 CONG-VIOLA 3450-3500
 Start Test Date: 2010/01/10
 Final Test Date: 2010/01/10

FRONTIER # 1-15





This is an actual photograph of recorder chart.

POINT	PRESSURE		Elec. Office Reading	PSI
	Field Reading			
(A) Initial Hydrostatic Mud	1621	1621		PSI
(B) First Initial Flow Pressure	8	8		PSI
(C) First Final Flow Pressure	11	11		PSI
(D) Initial Closed-in Pressure	32	32		PSI
(E) Second Initial Flow Pressure	13	13		PSI
(F) Second Final Flow Pressure	13	13		PSI
(G) Final Closed-in Pressure	25	25		PSI
(H) Final Hydrostatic Mud	1612	1612		PSI



DIAMOND TESTING
 P.O. Box 157
HOISINGTON, KANSAS 67544
 (620) 653-7550 • (800) 542-7313
 STC 30037.D036

Company L. D. Drilling, Inc. Lease & Well No. Frontier No. 1-15
 Elevation 1845 KB Formation Arbuckle Effective Pay Ft. Ticket No. R036
 Date 1-11-10 Sec. 15 Twp. 21S Range 12W County Stafford State Kansas
 Test Approved By Josh R. Austin Diamond Representative Randy Williams
 Formation Test No. 4 Interval Tested from 3,510 ft. to 3,570 ft. Total Depth 3,570 ft.
 Packer Depth 3,505 ft. Size 6 3/4 in. Packer Depth ft. Size in.
 Packer Depth 3,510 ft. Size 6 3/4 in. Packer Depth ft. Size in.
 Depth of Selective Zone Set ft.

Top Recorder Depth (Inside) 3,499 ft. Recorder Number 30037 Cap. 5,000 psi
 Bottom Recorder Depth (Outside) 3,567 ft. Recorder Number 13387 Cap. 3,900 psi
 Below Straddle Recorder Depth ft. Recorder Number Cap. psi

Drilling Contractor Petromark Drilling, LLC - Rig 2 Drill Collar Length 122 ft. I.D. 2 1/4 in.
 Mud Type Chemical Viscosity 45 Weight Pipe Length ft. I.D. in.
 Weight 9.2 Water Loss 14.4 cc. Drill Pipe Length 3,364 ft. I.D. 3 1/2 in.
 Chlorides 12,000 P.P.M. Test Tool Length 24 ft. Tool Size 3 1/2 - IF in.
 Jars: Make Sterling Serial Number Not Run Anchor Length 60 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 to 7 ins. in 30 mins. Weak surface blow back during shut-in. Blow died.
2nd Open: Fair blow, building to 8 ins. in 45 mins. Weak surface blow back during shut-in.

Recovered 90 ft. of gas in pipe
 Recovered 30 ft. of clean oil = .408280 bbls. (Grind out: 5%-gas; 95%-oil) Gravity: 41 @ 60°
 Recovered 120 ft. of oily gassy mud = .590400 bbls. (Grind out: 10%-oil; 20%-gas; 70%-mud)
 Recovered 150 ft. of TOTAL FLUID = .998680 bbls.
 Recovered ft. of
 Remarks Tool Sample Grind Out: 2%-gas; 38%-oil; 60%-mud

Time Set Packer(s) 10:07 ~~P.M.~~ ^{A.M.} Time Started Off Bottom 1:07 ~~P.M.~~ ^{A.M.} Maximum Temperature 96°
 Initial Hydrostatic Pressure (A) 1701 P.S.I.
 Initial Flow Period Minutes 30 (B) 17 P.S.I. to (C) 53 P.S.I.
 Initial Closed In Period Minutes 45 (D) 771 P.S.I.
 Final Flow Period Minutes 45 (E) 61 P.S.I. to (F) 69 P.S.I.
 Final Closed In Period Minutes 60 (G) 615 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.DAVIS DRILLING, INC.

Contact L.D.DAVIS
Well Name FRONTIER # 1-15
Unique Well ID DST #4 ARBUCKLE 3510-3570
Surface Location SEC 15-21S-12W
Field WILDCAT
Well Type Vertical

Job Number R036
Representative RANDY WILLIAMS
Well Operator L.D.DAVIS DRILLING
Report Date 2010/01/11
Prepared By RANDY WILLIAMS

Test Information

Test Type Drill Stem Test
Formation DST #4 ARBUCKLE 3510-3570
Well Fluid Type 01 Oil
Test Purpose (AEUB) Initial Test

Start Test Time 08:30:00
Final Test Time 14:42:00

Start Test Date 2010/01/11
Final Test Date 2010/01/11

Gauge Name 30037
Test Type Name

Test Results

RECOVERED: 90' GAS IN PIPE
30' CLEAN OIL, 5% GAS, 95% OIL API-41 @ 60 DEG
120' OGM, 20% GAS, 10% OIL, 70% MUD

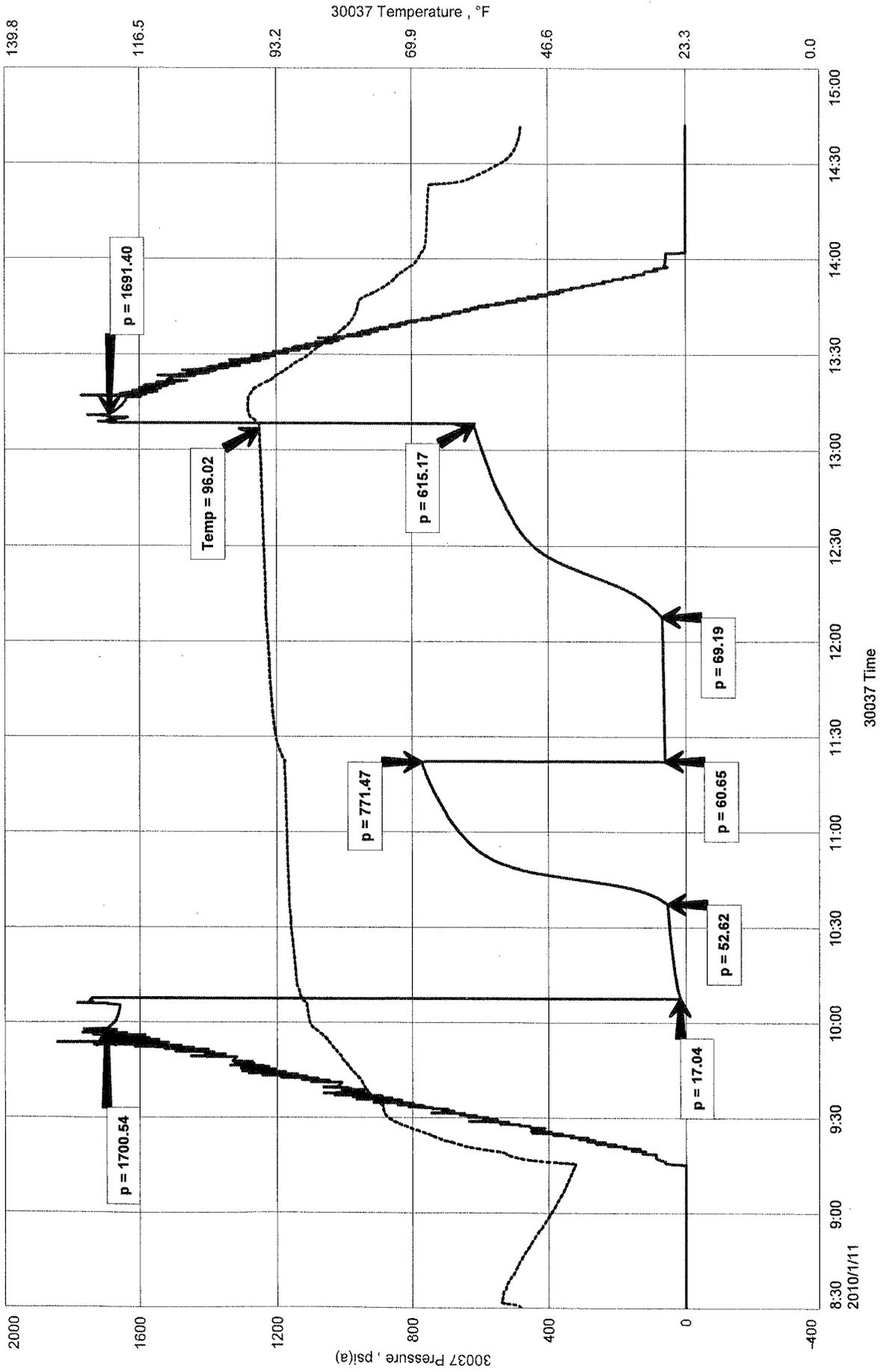
TOTAL FLUID: 150'

TOOL SAMPLE: 2% GAS, 38% OIL, 60% MUD

FRONTIER # 1-15
 Formation: DST # 4 ARBUCKLE 3510-3570
 Pool: WILDCAT
 Job Number: R036

L.D.DRILLING, INC.
 DST #4 ARBUCKLE 3510-3570
 Start Test Date: 2010/01/11
 Final Test Date: 2010/01/11

FRONTIER # 1-15

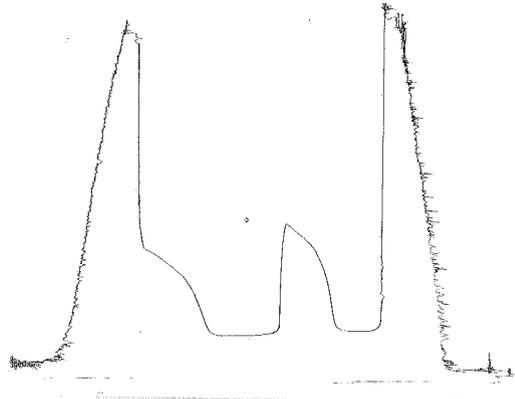


DST #4 OUTSIDE #13387

ARBUCKLE

3510-3570

LOC 3567



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Elec. Office Reading	
(A) Initial Hydrostatic Mud	1701	1701	PSI
(B) First Initial Flow Pressure	17	17	PSI
(C) First Final Flow Pressure	53	53	PSI
(D) Initial Closed-in Pressure	771	771	PSI
(E) Second Initial Flow Pressure	61	61	PSI
(F) Second Final Flow Pressure	69	69	PSI
(G) Final Closed-in Pressure	615	615	PSI
(H) Final Hydrostatic Mud	1691	1691	PSI



DIAMOND TESTING
 P.O. Box 157
 HOISINGTON, KANSAS 67544
 (620) 653-7550 • (800) 542-7313
 STC 30037.D037

Company L. D. Drilling, Inc. Lease & Well No. Frontier No. 1-15
 Elevation 1845 KB Formation Arbuckle Effective Pay Ft. Ticket No. R037
 Date 1-11-10 Sec. 15 Twp. 21S Range 12W County Stafford State Kansas

Test Approved By Josh R. Austin Diamond Representative Randy Williams

Formation Test No. 5 Interval Tested from 3,570 ft. to 3,580 ft. Total Depth 3,580 ft.

Packer Depth 3,565 ft. Size 6 3/4 in. Packer Depth Ft. Size in.

Packer Depth 3,570 ft. Size 6 3/4 in. Packer Depth Ft. Size in.

Depth of Selective Zone Set ft.

Top Recorder Depth (Inside) 3,559 ft. Recorder Number 30037 Cap. 5,000 psi

Bottom Recorder Depth (Outside) 3,567 ft. Recorder Number 13387 Cap. 3,900 psi

Below Straddle Recorder Depth ft. Recorder Number Cap. psi

Drilling Contractor Petromark Drilling, LLC - Rig 2 Drill Collar Length 122 ft. I.D. 2 1/4 in.

Mud Type Chemical Viscosity 45 Weight Pipe Length ft. I.D. in.

Weight 9.2 Water Loss 14.4 cc. Drill Pipe Length 3,424 ft. I.D. 3 1/2 in.

Chlorides 12,000 P.P.M. Test Tool Length 24 ft. Tool Size 3 1/2 - IF in.

Jars: Make Sterling Serial Number Not Run Anchor Length 10 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: Strong blow. Off bottom of bucket in 30 secs., blow dying. No blow back during shut-in.

2nd Open: Weak, 1/8 in., blow. No blow back during shut-in.

Recovered 340 ft. of mud = 3.702380 bbls.

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks Tool Sample Grind Out: Mud Tool slid 15 ft. to bottom of hole during 1st open.

Tool plugged.

Time Set Packer(s) 9:20 ~~AM.~~ P.M. Time Started Off Bottom 12:20 ~~AM.~~ P.M. Maximum Temperature

Initial Hydrostatic Pressure (A) 1701 P.S.I.

Initial Flow Period Minutes (B) PLUGGED P.S.I. to (C) PLUGGED P.S.I.

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

Final Flow Period Minutes (E) PLUGGED P.S.I. to (F) PLUGGED P.S.I.

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

Final Hydrostatic Pressure (H) 1712 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 FRONTIER # 1-15
Unique Well ID DST #5 ARBUCKLE 3570-3580
Surface Location SEC 15-21S-12W
Field WILDCAT
Well Type Vertical

Job Number R037
Representative RANDY WILLIAMS
Well Operator L.D. DRILLING, INC.
Report Date 2010/01/12
Prepared By RANDY WILLIAMS

Test Information

Test Type Drill Stem Test
Formation DST #5 ARBUCKLE 3570-3580
Well Fluid Type 01 Oil
Test Purpose (AEUB) Initial Test

Start Test Time 19:45:00
Final Test Time 02:18:00

Start Test Date 2010/01/11
Final Test Date 2010/01/12

Gauge Name 30037
Test Type Name

Test Results

RECOVERED: 340' MUD

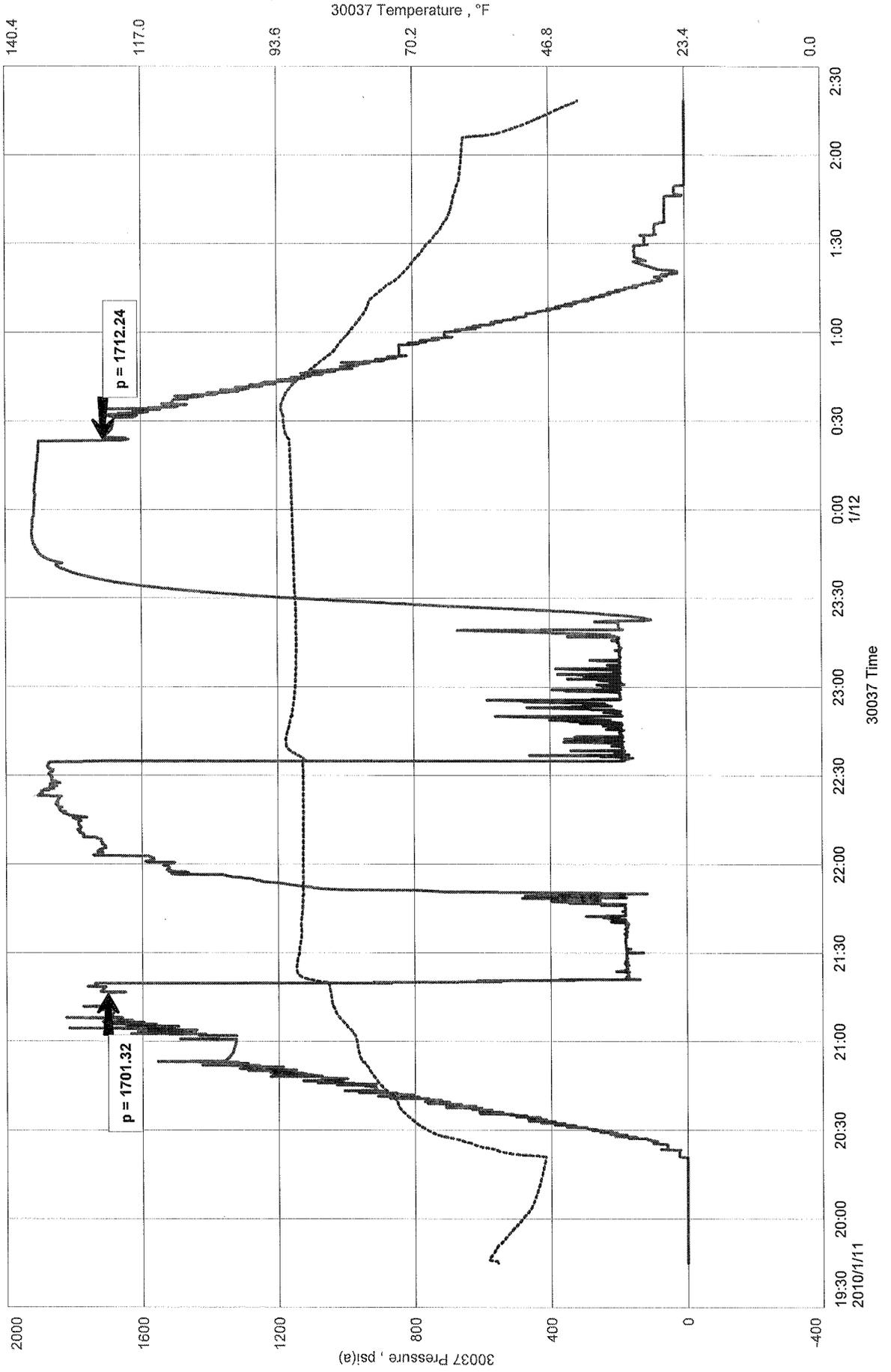
TOTAL FLUID: 340'

TOOL SAMPLE: MUD

L.D.DRILLING, INC.
DST #5 ARBUCKLE 3570-3580
Start Test Date: 2010/01/11
Final Test Date: 2010/01/12

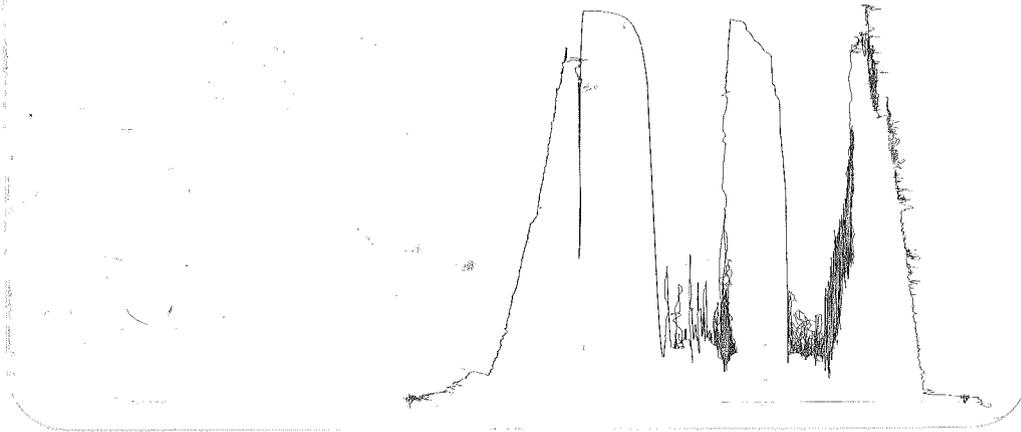
FRONTIER # 1-15
Formation: DST #5 ARBUCKLE 3570-3580
Pool: WILDCAT
Job Number: R037

FRONTIER # 1-15



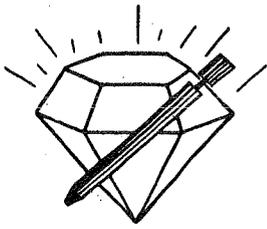
DST #5 OUTSIDE #13387
 ARBUCCLE

3570-3580
 LOC - 3576



This is an actual photograph of recorder chart.

POINT	PRESSURE		Elec. Office Reading	PSI
	Field Reading			
(A) Initial Hydrostatic Mud	1701		1701	PSI
(B) First Initial Flow Pressure.....	PLUGGED		PLUGGED	PSI
(C) First Final Flow Pressure	PLUGGED		PLUGGED	PSI
(D) Initial Closed-in Pressure	PLUGGED		PLUGGED	PSI
(E) Second Initial Flow Pressure.....	PLUGGED		PLUGGED	PSI
(F) Second Final Flow Pressure.....	PLUGGED		PLUGGED	PSI
(G) Final Closed-in Pressure.....	PLUGGED		PLUGGED	PSI
(H) Final Hydrostatic Mud	1712		1712	PSI



DIAMOND TESTING

P.O. Box 157
HOISINGTON, KANSAS 67544
(620) 653-7550 • (800) 542-7313
STC 30037.D 038

Company L. D. Drilling, Inc. Lease & Well No. Frontier No. 1-15
Elevation 1845 KB Formation Arbuckle Effective Pay Ft. Ticket No. R038
Date 1-12-10 Sec. 15 Twp. 21S Range 12W County Stafford State Kansas

Test Approved By Josh R. Austin Diamond Representative Randy Williams

Formation Test No. 6 Interval Tested from 3,567 ft. to 3,585 ft. Total Depth 3,585 ft.

Packer Depth 3,562 ft. Size 6 3/4 in. Packer Depth ft. Size in.

Packer Depth 3,567 ft. Size 6 3/4 in. Packer Depth ft. Size in.

Depth of Selective Zone Set ft.

Top Recorder Depth (Inside) 3,556 ft. Recorder Number 30037 Cap. 5,000 psi

Bottom Recorder Depth (Outside) 3,582 ft. Recorder Number 13387 Cap. 3,900 psi

Below Straddle Recorder Depth ft. Recorder Number Cap. psi

Drilling Contractor Petromark Drilling, LLC - Rig 2 Drill Collar Length 122 ft. I.D. 2 1/4 in.

Mud Type Chemical Viscosity 55 Weight Pipe Length ft. I.D. in.

Weight 9.2 Water Loss 15.2 cc. Drill Pipe Length 3,421 ft. I.D. 3 1/2 in.

Chlorides 14,000 P.P.M. Test Tool Length 24 ft. Tool Size 3 1/2 - IF in.

Jars: Make Sterling Serial Number Not Run Anchor Length 18 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: Packer Failure!
2nd Open: N/A

Recovered 600 ft. of mud = 7.402180 bbls.

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks Tool Sample Grind Out: mud

Time Set Packer(s) 9:30 ~~P.M.~~ ^{A.M.} Time Started Off Bottom 9:32 ~~P.M.~~ ^{A.M.} Maximum Temperature 89°

Initial Hydrostatic Pressure (A) 1680 P.S.I.

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

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

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

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

Final Hydrostatic Pressure (H) 1691 P.S.I.

DIAMOND TESTING

General Information

Company Name L.D. DRILLING, INC.

Contact	L.D.DAVIS
Well Name	FRONTIER # 1-15
Unique Well ID	DST #6 ARBUCKLE 3567-3585
Surface Location	SEC 15-21S-12W
Field	WILDCAT
Well Type	Vertical
Job Number	R038
Representative	RANDY WILLIAMS
Well Operator	L.D.DRILLING, INC.
Report Date	2010/01/12
Prepared By	RANDY WILLIAMS

Test Information

Test Type	Drill Stem Test
Formation	DST #6 ARBUCKLE 3567-3585
Well Fluid Type	01 Oil
Test Purpose (AEUB)	Initial Test

Start Test Time	07:55:00
Final Test Time	11:37:00

Start Test Date	2010/01/12
Final Test Date	2010/01/12

Gauge Name	30037
Test Type Name	

Test Results

RECOVERED: 300' MUD

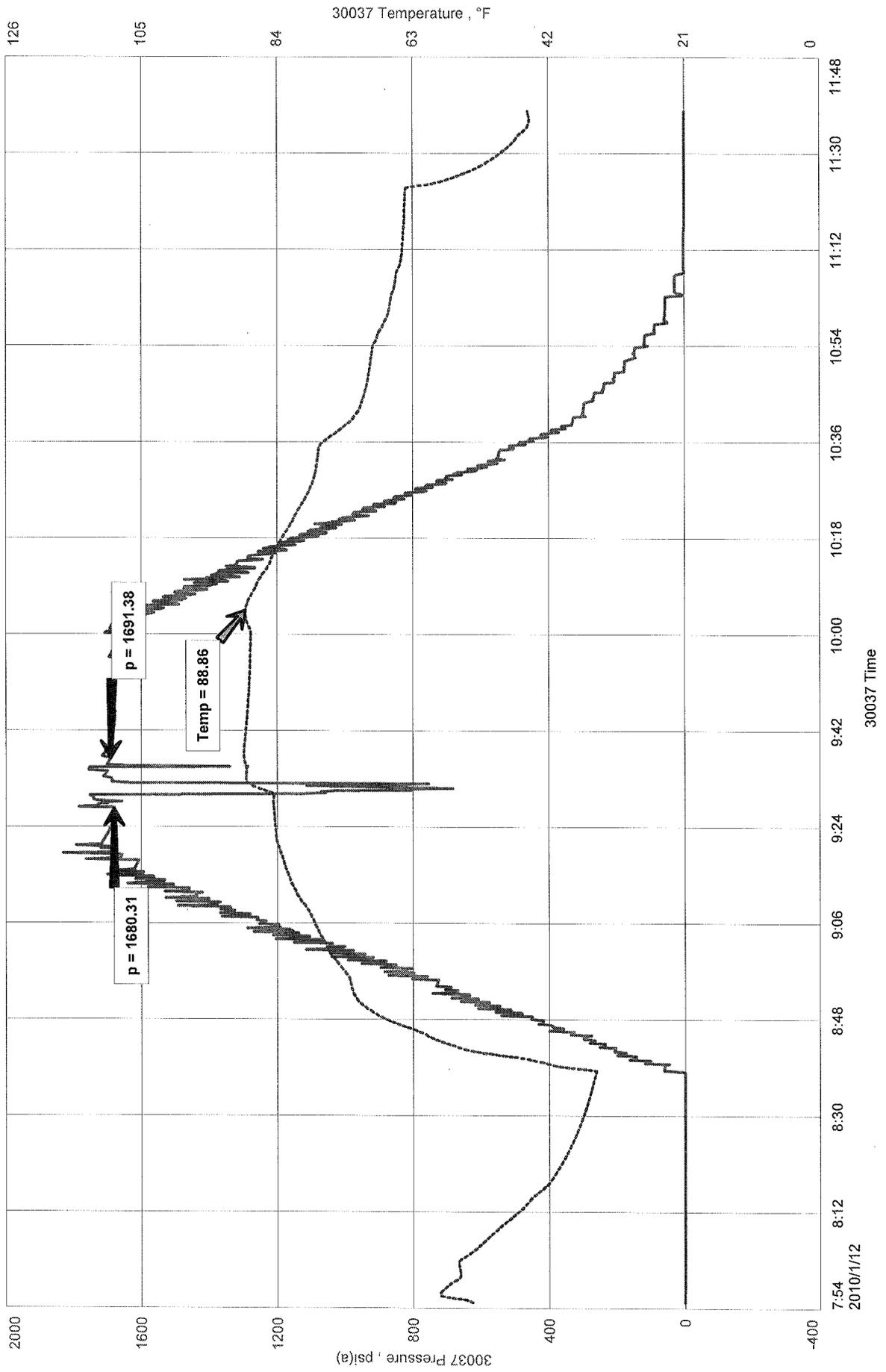
TOTAL FLUID: 300'

TOOL SAMPLE: MUD

L.D. DRILLING, INC.
DST #6 ARBUCKLE 3567-3585
Start Test Date: 2010/01/12
Final Test Date: 2010/01/12

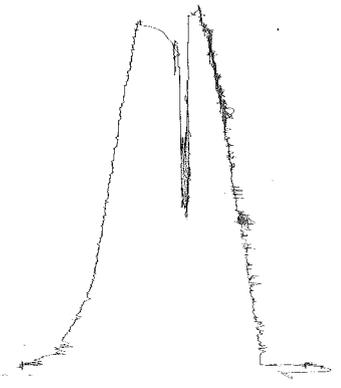
FRONTIER # 1-15
Formation: DST #6 ARBUCKLE 3567-3585
Pool: WILDCAT
Job Number: R038

FRONTIER # 1-15



DST #16 OUTSIDE #13387
 ARBUICLE

3567-3585
 LOC-3582



This is an actual photograph of recorder chart.

POINT	PRESSURE		PSI
	Field Reading	Elec. Office Reading	
(A) Initial Hydrostatic Mud	1680	1680	PSI
(B) First Initial Flow Pressure	--	--	PSI
(C) First Final Flow Pressure	--	--	PSI
(D) Initial Closed-in Pressure	--	--	PSI
(E) Second Initial Flow Pressure	--	--	PSI
(F) Second Final Flow Pressure	--	--	PSI
(G) Final Closed-in Pressure	--	--	PSI
(H) Final Hydrostatic Mud	1691	1691	PSI