



15-009-25061

10-20s-11w

### DIAMOND TESTING

P.O. Box 157  
HOISINGTON, KANSAS 67544  
(620) 653-7550 • (800) 542-7313  
STC 21108.D 494

Page 1 of 2 Pages

Company L. D. Drilling, Inc. Lease & Well No. Panning No. 2-10  
 Elevation 1757GL Formation Lansing/Kansas City "A" - "D" Effective Pay -- Ft. Ticket No. J2097  
 Date 7-21-07 Sec. 10 Twp. 20S Range 11W County Barton State Kansas  
 Test Approved By Jim Musgrove Diamond Representative John C. Riedl

Formation Test No. 1 Interval Tested from 3,027 ft. to 3,110 ft. Total Depth 3,110 ft.  
 Packer Depth 3,022 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.  
 Packer Depth 3,027 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Depth of Selective Zone Set          ft.  
 Top Recorder Depth (Inside)          3,030 ft. Recorder Number 21108 Cap. 5,000 psi  
 Bottom Recorder Depth (Outside)          3,107 ft. Recorder Number 11017 Cap. 4,000 psi  
 Below Straddle Recorder Depth          ft. Recorder Number          Cap.          psi

Drilling Contractor Southwind Drilling, Inc. - Rig 2 Drill Collar Length -- ft. I.D. -- in.  
 Mud Type Chemical Viscosity 45 Weight Pipe Length -- ft. I.D. -- in.  
 Weight 8.9 Water Loss 10.4 cc. Drill Pipe Length 3,002 ft. I.D. 3 1/2 in.  
 Chlorides 4,000 P.P.M. Test Tool Length 25 ft. Tool Size 3 1/2 - IF in.  
 Jars: Make Bowen Serial Number Not Run Anchor Length 83 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, 1 in., blow. Dead in 20 mins.  
2nd Open: Not Run

Recovered 40 ft. of drilling mud = .568000 bbls.  
 Recovered          ft. of           
 Recovered          ft. of           
 Recovered          ft. of           
 Recovered          ft. of           
 Remarks Slid tool 10 ft. to bottom.

Time Set Packer(s) 8:10 ~~AM~~ P.M. Time Started Off Bottom 9:10 ~~AM~~ P.M. Maximum Temperature 100°  
 Initial Hydrostatic Pressure ..... (A) 1452 P.S.I.  
 Initial Flow Period ..... Minutes 30 (B) 55 P.S.I. to (C) 56 P.S.I.  
 Initial Closed In Period ..... Minutes 30 (D) 134 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) 1428 P.S.I.

## GENERAL INFORMATION

### Client Information:

Company: L D DRILLING INC

Contact: L D DAVIS

Phone: Fax: e-mail:

### Site Information:

Contact: JIM MUSGROVE

Phone: Fax: e-mail:

### Well Information:

Name: PANNING #2-10

Operator: L D DRILLING INC

Location-Downhole: DST #1 3027 TO 3110

Location-Surface: S10/20S/11W BARTON COUNTY

### Test Information:

Company: DIAMOND TESTING

Representative: JOHN RIEDL

Supervisor: JIM MUSGROVE

Test Type: CONVENTIONAL Job Number: D484

Test Unit: 2

Start Date: 2007/07/21 Start Time: 18:00:00

End Date: 2007/07/21 End Time: 22:30:00

Report Date: 2007/07/21 Prepared By: JOHN RIEDL

Qualified By: JIM MUSGROVE

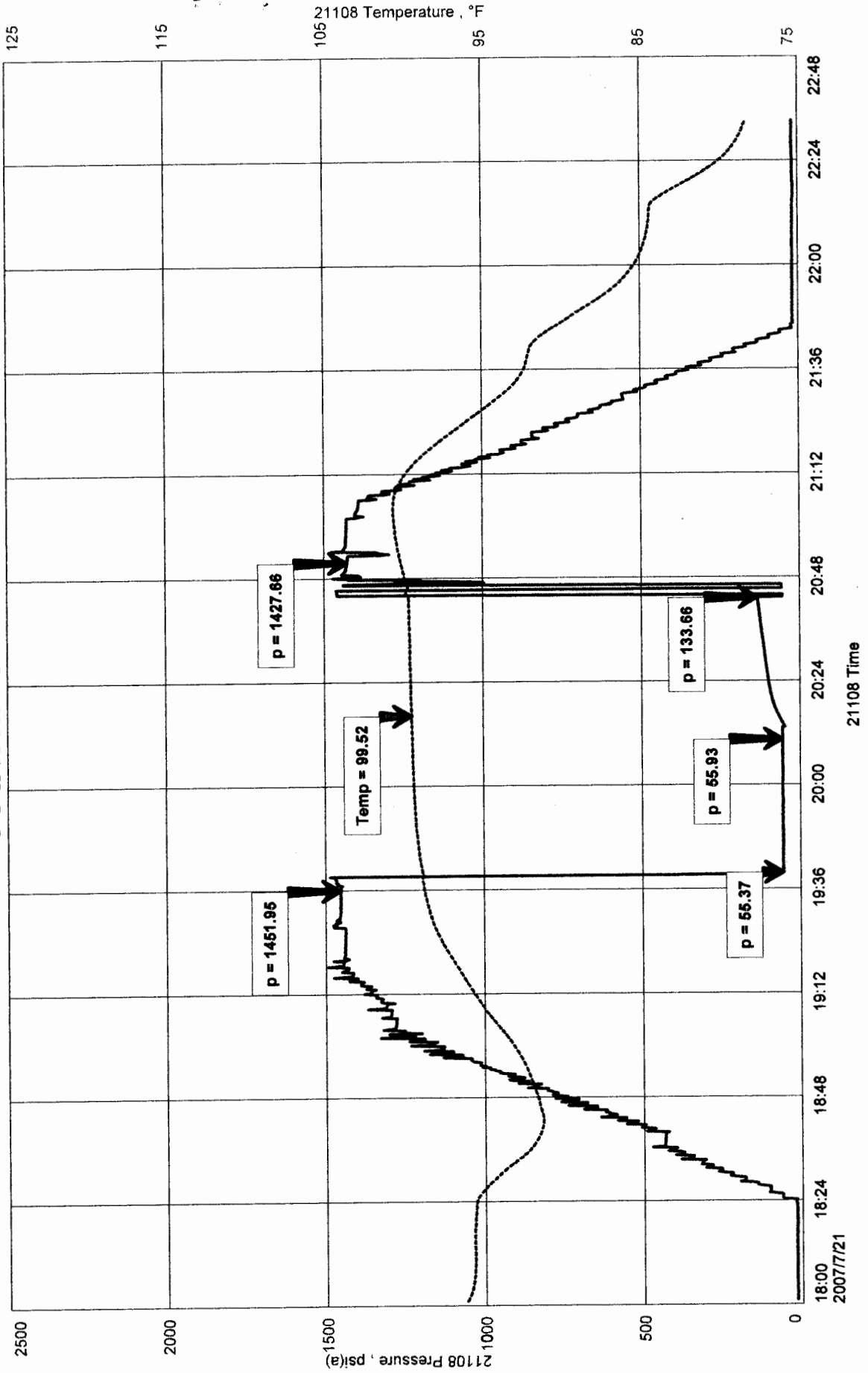
### Remarks:

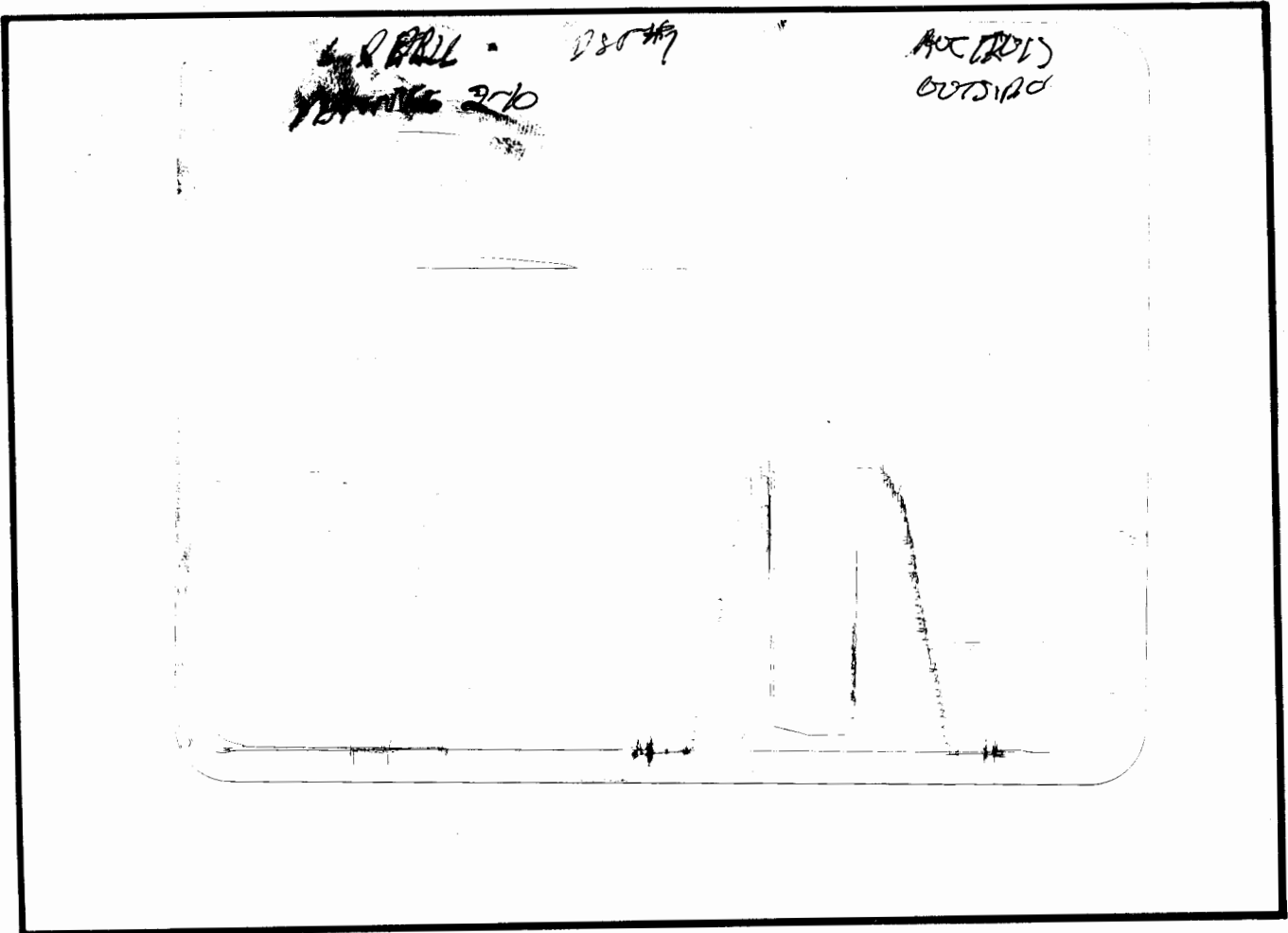
RECOVERY:40' DRILLING MUD

PANNING #2-10  
 Formation: LKC "A,B,C,D"  
 Job Number: D484

LD DRILLING INC  
 DST #1 3027 TO 3110  
 Start Test Date: 2007/07/21  
 Final Test Date: 2007/07/21

# PANNING #2-10





This is an actual photograph of recorder chart.

POINT	PRESSURE Elec.		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud .....	1452	1452	PSI
(B) First Initial Flow Pressure.....	55	55	PSI
(C) First Final Flow Pressure .....	56	56	PSI
(D) Initial Closed-in Pressure .....	134	134	PSI
(E) Second Initial Flow Pressure.....	--	--	PSI
(F) Second Final Flow Pressure.....	--	--	PSI
(G) Final Closed-in Pressure.....	--	--	PSI
(H) Final Hydrostatic Mud.....	1428	1428	PSI



# DIAMOND TESTING

P.O. Box 157

HOISINGTON, KANSAS 67544

(620) 653-7550 • (800) 542-7313

STC 21108.D 495

Company L. D. Drilling, Inc. Lease & Well No. Panning No. 2-10  
 Elevation 1757GL Formation Arbuckle Effective Pay -- Ft. Ticket No. J2098  
 Date 7-22-05 Sec. 10 Twp. 20S Range 11W County Barton State Kansas

Test Approved By Jim Musgrove Diamond Representative John C. Riedl

Formation Test No. 2 Interval Tested from 3,272 ft. to 3,299 ft. Total Depth 3,299 ft.

Packer Depth 3,267 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Packer Depth 3,272 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Depth of Selective Zone Set          ft.

Top Recorder Depth (Inside) 3,275 ft. Recorder Number 21108 Cap. 5,000 psi

Bottom Recorder Depth (Outside) 3,296 ft. Recorder Number 11017 Cap. 4,000 psi

Below Straddle Recorder Depth          ft. Recorder Number          Cap.          psi

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

Mud Type Chemical Viscosity 50 Weight Pipe Length -- ft. I.D. -- in.

Weight 9.0 Water Loss 9.0 cc. Drill Pipe Length 3,247 ft. I.D. 3 1/2 in.

Chlorides 4,000 P.P.M. Test Tool Length 25 ft. Tool Size 3 1/2 - IF in.

Jars: Make Bowen Serial Number Not Run Anchor Length 27 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 10 mins. Fair, 3 in., blow back during shut-in.

2nd Open: Strong blow. Off bottom of bucket in 6 mins. Weak, 1 in., blow back during shut-in.

Recovered 800 ft. of gas in pipe

Recovered 250 ft. of clean gassy oil = 3.550000 bbls. (Grind out: 20%-gas; 80%-oil) Gravity: 38 @ 60°

Recovered 120 ft. of slightly mud cut gassy oil = 1.704000 bbls. (Grind out: 10%-mud; 20%-gas; 70%-oil)

Recovered 370 ft. of TOTAL FLUID = 5.254000 bbls.

Recovered          ft. of         

Remarks         

Time Set Packer(s) 5:00 ~~XXX~~ P.M. Time Started Off Bottom 8:00 ~~XXX~~ P.M. Maximum Temperature 106°

Initial Hydrostatic Pressure          (A) 1569 P.S.I.

Initial Flow Period          Minutes 45 (B) 35 P.S.I. to (C) 103 P.S.I.

Initial Closed In Period          Minutes 45 (D) 1133 P.S.I.

Final Flow Period          Minutes 45 (E) 103 P.S.I. to (F) 155 P.S.I.

Final Closed In Period          Minutes 45 (G) 1132 P.S.I.

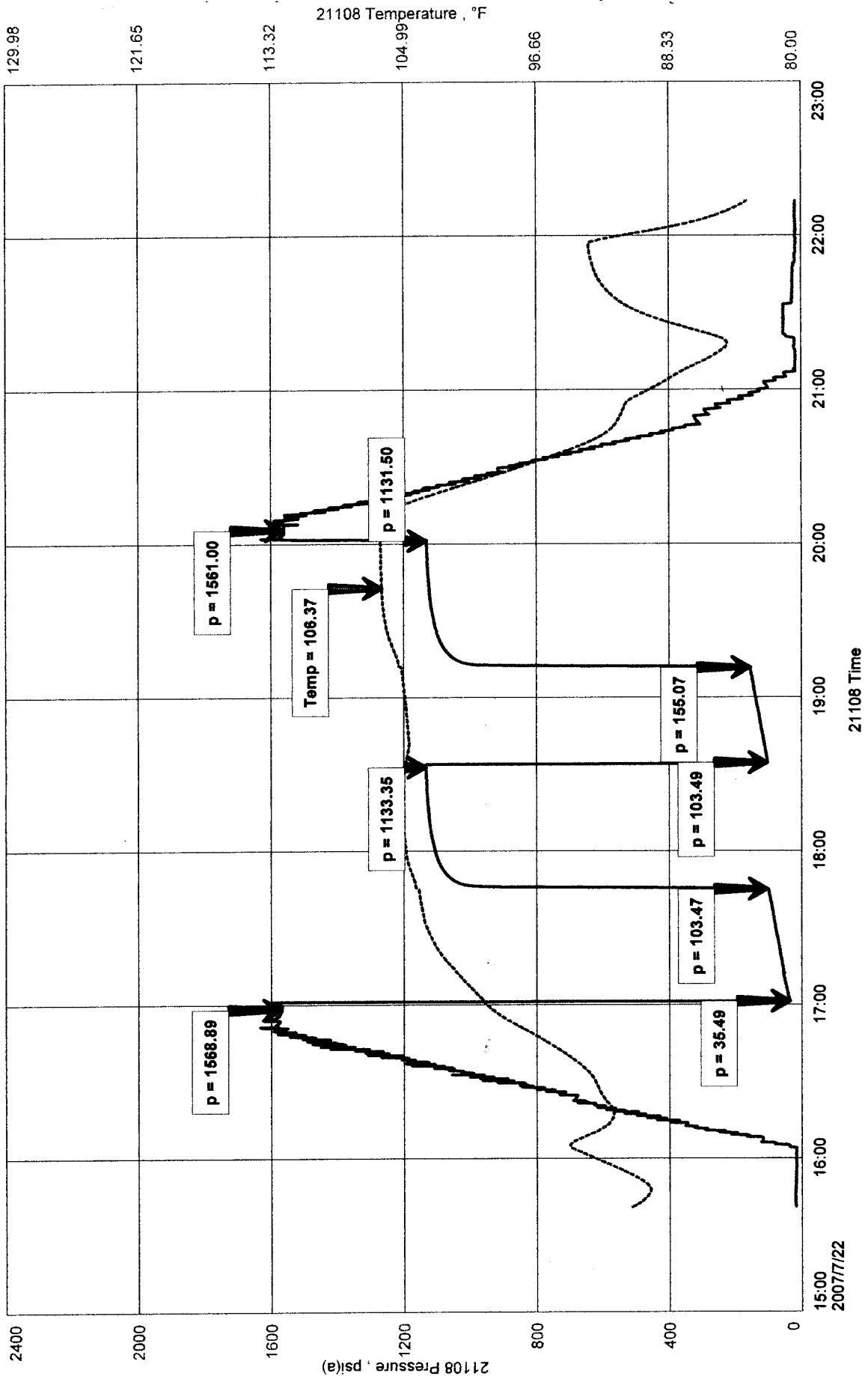
Final Hydrostatic Pressure          (H) 1561 P.S.I.



LD DRILLING INC  
DST #2 3272 TO 3299  
Start Test Date: 2007/07/22  
Final Test Date: 2007/07/22

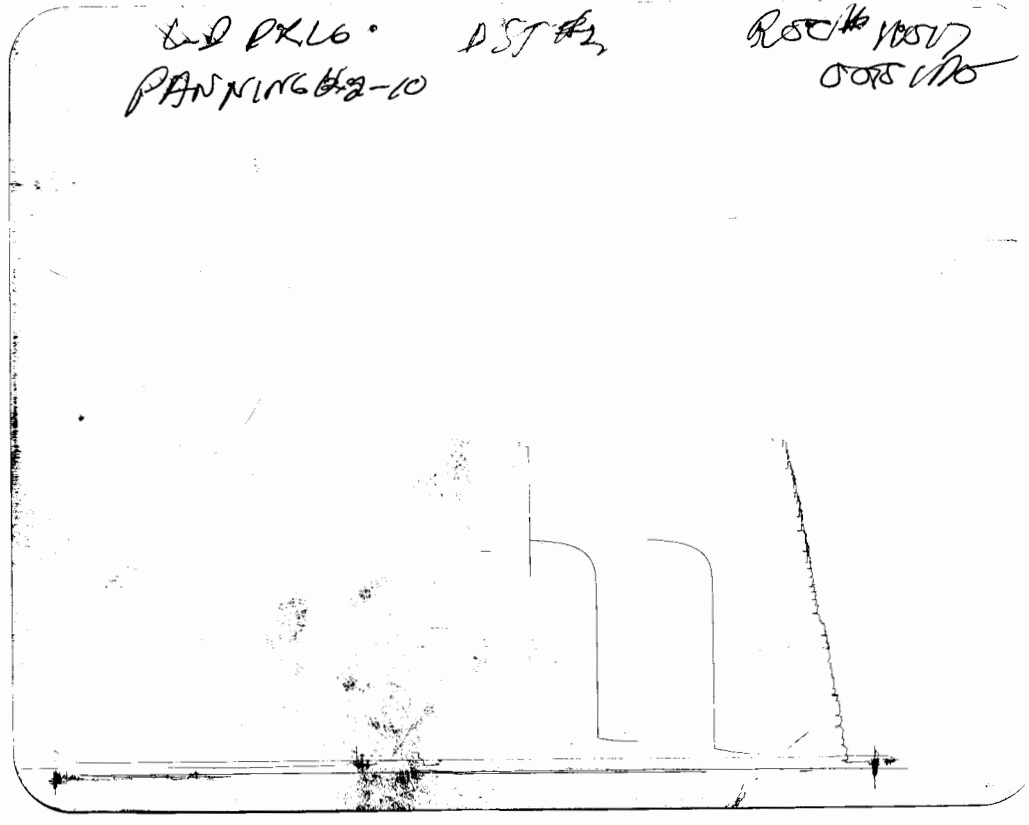
PANNING #2-10  
Formation: ARBUCKLE  
Job Number: D495

# PANNING #2-10



LD P.L.L.6 • DST #2  
 PANXING 62-10

REC # 10517  
 008 110



This is an actual photograph of recorder chart.

POINT	PRESSURE		Elec. Office Reading	PSI
	Field Reading			
(A) Initial Hydrostatic Mud	1569		1569	PSI
(B) First Initial Flow Pressure	35		35	PSI
(C) First Final Flow Pressure	103		103	PSI
(D) Initial Closed-in Pressure	1133		1133	PSI
(E) Second Initial Flow Pressure	103		103	PSI
(F) Second Final Flow Pressure	755		755	PSI
(G) Final Closed-in Pressure	1132		1132	PSI
(H) Final Hydrostatic Mud	1561		1561	PSI