



15-009-25090

10-20s-11w

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

Company L. D. Drilling, Inc. Lease & Well No. Panning No. 3-10  
Elevation 1767KB Formation Arbuckle Effective Pay -- Ft. Ticket No. J2124  
Date 9-18-07 Sec. 10 Twp. 20S Range 11W County Barton State Kansas

Test Approved By Kim Shoemaker Diamond Representative John C. Riedl

Formation Test No. 1 Interval Tested from 3,294 ft. to 3,323 ft. Total Depth 3,323 ft.

Packer Depth 3,289 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Packer Depth 3,294 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Depth of Selective Zone Set -- ft.

Top Recorder Depth (Inside) 3,297 ft. Recorder Number 21108 Cap. 5,000 psi

Bottom Recorder Depth (Outside) 3,320 ft. Recorder Number 11073 Cap. 4,000 psi

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

Drilling Contractor Petromark Drilling, LLC - Rig 2 Drill Collar Length 120 ft. I.D. 2 1/4 in.

Mud Type Chemical Viscosity 49 Weight Pipe Length -- ft. I.D. -- in.

Weight 8.9 Water Loss 10.4 cc. Drill Pipe Length 3,154 ft. I.D. 3 1/2 in.

Chlorides 4,000 P.P.M. Test Tool Length 20 ft. Tool Size 3 1/2 - IF in.

Jars: Make Bowen Serial Number Not Run Anchor Length 29 ft. Size 4 1/2 - FH in.

Did Well Flow? No Reversed Out Yes 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. Gas to surface in 25 mins. Good blow back during shut-in.  
2nd Open: Strong blow. Off bottom of bucket in 3 mins. Good blow back during shut-in.

Recovered 2,880 ft. of gassy oil = 40.896000 bbls. (Gravity: 39 @ 60°)

Recovered 120 ft. of water = .590400 bbls. (Chlorides: 14,000 Ppm)

Recovered 3,000 ft. of TOTAL FLUID = 41.486400 bbls.

Recovered -- ft. of --

Recovered -- ft. of --

Remarks Gas volume report was too small to measure.

Time Set Packer(s) 3:45 ~~P.M.~~ <sup>A.M.</sup> Time Started Off Bottom 6:45 ~~P.M.~~ <sup>A.M.</sup> Maximum Temperature 106°

Initial Hydrostatic Pressure ..... (A) 1591 P.S.I.

Initial Flow Period ..... Minutes 30 (B) 730 P.S.I. to (C) 1051 P.S.I.

Initial Closed In Period ..... Minutes 45 (D) 1087 P.S.I.

Final Flow Period ..... Minutes 45 (E) 1068 P.S.I. to (F) 1093 P.S.I.

Final Closed In Period ..... Minutes 60 (G) 1099 P.S.I.

Final Hydrostatic Pressure ..... (H) 1569 P.S.I.

## GENERAL INFORMATION

### Client Information:

Company: L D DRILLING INC

Contact: L D DAVIS

Phone: Fax: e-mail:

### Site Information:

Contact: KIM SHOEMAKER

Phone: Fax: e-mail:

### Well Information:

Name: PANNING #3-10

Operator: L D DRILLING INC

Location-Downhole: DST #1 3294 TO 3323

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

### Test Information:

Company: DIAMOND TESTING

Representative: JOHN RIEDL

Supervisor: KIM SHOEMAKER

Test Type: CONVENTIONAL Job Number: D521

Test Unit: 2

Start Date: 2007/09/18 Start Time: 02:33:00

End Date: 2007/09/18 End Time: 11:10:00

Report Date: 2007/09/18 Prepared By: JOHN RIEDL

Remarks: Qualified By: KIM SHOEMAKER

RECOVERY: GAS TO SURFACE 25 MINUTES FIRST FLOW

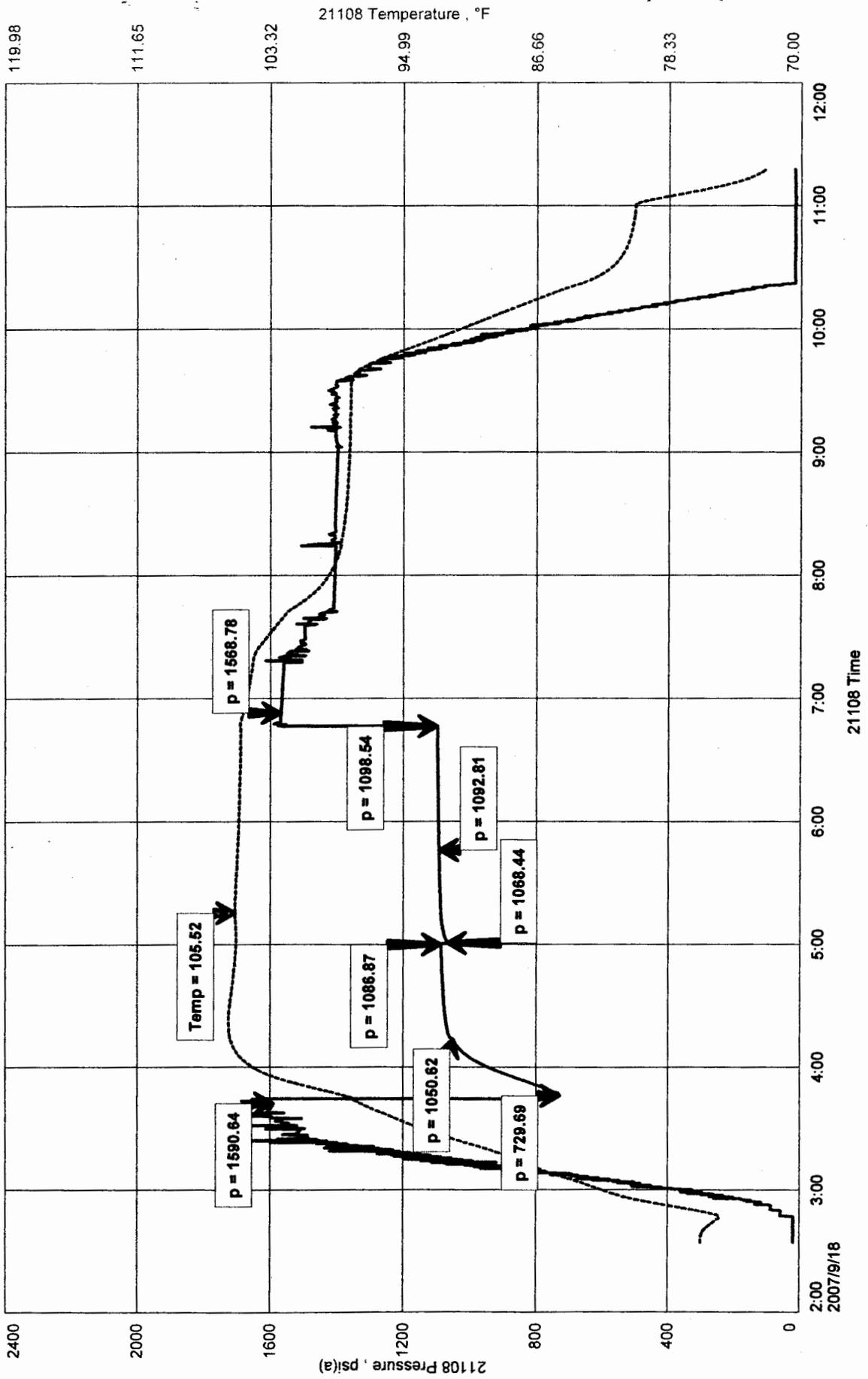
2880 CLEAN GASSY OIL  
120' WATER

TOTAL FLUID REC. 3000' (2880 IN DRILL PIPE, 120' IN DRILL COLLARS)

L D DRILLING INC  
 DST #1 3294 TO 3323  
 Start Test Date: 2007/09/18  
 Final Test Date: 2007/09/18

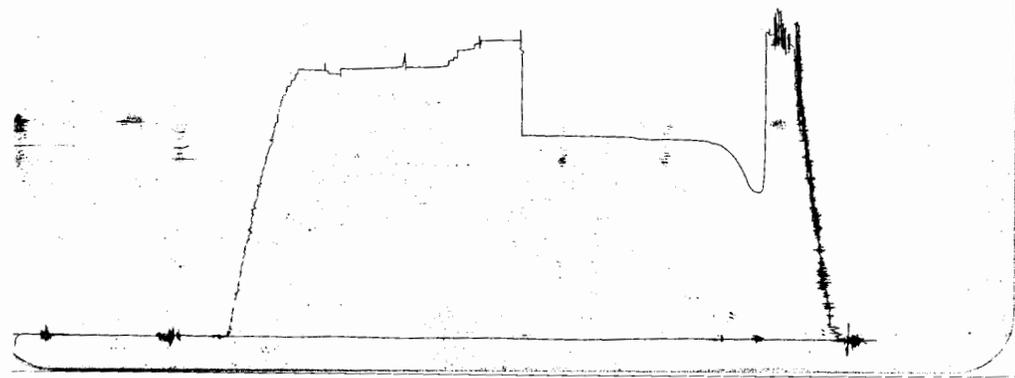
# PANNING #3-10

PANNING #3-10  
 Formation: ARBUCKLE  
 Job Number: D521



BRILLING  
 PWD 11073 3-10 PST # 1

PWT 11073  
 OUTSIDE



This is an actual photograph of recorder chart.

POINT	PRESSURE		PSI
	Field Reading	Elec. Office Reading	
(A) Initial Hydrostatic Mud	1591	1591	PSI
(B) First Initial Flow Pressure	730	730	PSI
(C) First Final Flow Pressure	1051	1051	PSI
(D) Initial Closed-in Pressure	1087	1087	PSI
(E) Second Initial Flow Pressure	1068	1068	PSI
(F) Second Final Flow Pressure	1093	1093	PSI
(G) Final Closed-in Pressure	1099	1099	PSI
(H) Final Hydrostatic Mud	1569	1569	PSI