

**DIAMOND TESTING**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(620) 653-7550 • (800) 542-7313  
STC 30046.D728

Company L. D. Drilling, Inc. Lease & Well No.                      Panning No. 8-10  
Elevation 1768 KB Formation Lansing "A" - "F" Effective Pay                      -- Ft. Ticket No. J2523  
Date 4-09-10 Sec. 10 Twp. 20S Range 11W County Barton State Kansas  
Test Approved By Josh R. Austin Diamond Representative John C. Riedl

Formation Test No. 1 Interval Tested from 3,020 ft. to 3,110 ft. Total Depth 3,110 ft.  
Packer Depth 3,015 ft. Size 6 3/4 in. Packer Depth                      -- ft. Size                      -- in.  
Packer Depth 3,020 ft. Size 6 3/4 in. Packer Depth                      -- ft. Size                      -- in.  
Depth of Selective Zone Set                      ft.

Top Recorder Depth (Inside)                      3,023 ft. Recorder Number 30046 Cap. 6,000 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 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 8.0 cc. Drill Pipe Length                      2,878 ft. I.D.                      3 1/2 in.  
Chlorides                      6,700 P.P.M. Test Tool Length                      22 ft. Tool Size                      3 1/2 - IF in.  
Jars: Make Sterling Serial Number Not Run Anchor Length                      90 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 1/2 in., blow decreasing. Dead in 20 mins. Flushed tool, but of no help. No blow back during shut-in.  
2nd Open: No blow. Flushed tool & received a weak blow. No blow back during shut-in.

Recovered 40 ft. of drilling mud = .196800 bbls.  
Recovered                      ft. of                       
Recovered                      ft. of                       
Recovered                      ft. of                       
Recovered                      ft. of                       
Remarks                     

Time Set Packer(s) 3:50 AMM. P.M. Time Started Off Bottom 4:55 AMM. P.M. Maximum Temperature 91°  
Initial Hydrostatic Pressure                      (A) 1446 P.S.I.  
Initial Flow Period                      Minutes 30 (B) 43 P.S.I. to (C) 50 P.S.I.  
Initial Closed In Period                      Minutes 30 (D) 107 P.S.I.  
Final Flow Period                      Minutes 5 (E) 51 P.S.I. to (F) 56 P.S.I.  
Final Closed In Period                      Minutes -- (G) -- P.S.I.  
Final Hydrostatic Pressure                      (H) 1430 P.S.I.

## GENERAL INFORMATION

### Client Information:

Company: LD DRILLING INC

Contact: L D DAVIS

Phone: Fax: e-mail:

### Site Information:

Contact: JOSH AUSTIN

Phone: Fax: e-mail:

### Well Information:

Name: PANNING 8-10

Operator: LD DRILLING INC

Location-Downhole:

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

### Test Information:

Company: DIAMOND TESTING

Representative: JOHN RIEDL

Supervisor: JOSH AUSTIN

Test Type: CONVENTIONAL

Job Number: D728

Test Unit:

Start Date: 2010/04/09

Start Time: 14:30:00

End Date: 2010/04/09

End Time: 18:03:00

Report Date: 2010/04/09

Prepared By: JOHN RIEDL

### Remarks:

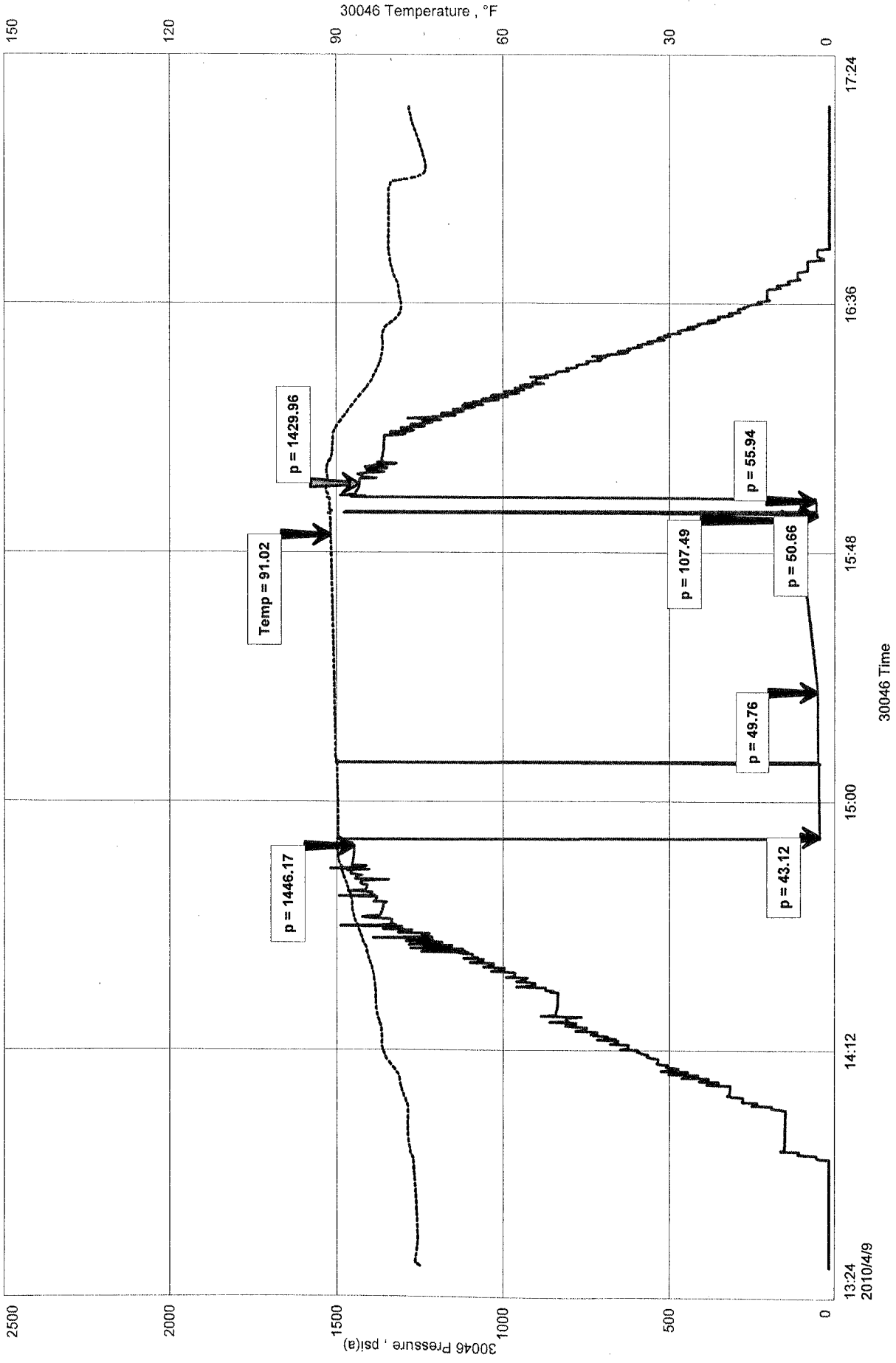
Qualified By: JOSH AUSTIN

recovery: 40' DRILLING MUD

PANNING 8-10  
Formation: LANS A-F  
Job Number: D728

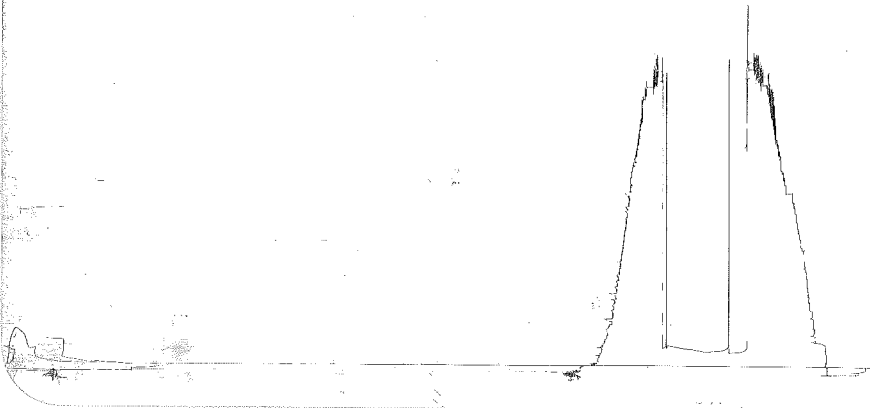
LD DRILLING INC  
Start Test Date: 2010/04/09  
Final Test Date: 2010/04/09

# PANNING 8-10



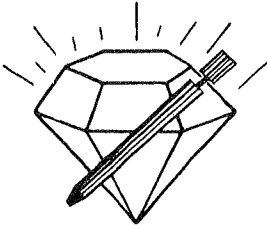
L-D DRILL DST 1  
 PANNING 8-10 4/9/10

RSC 12017  
 OUTSIDE



This is an actual photograph of recorder chart.

| POINT                            | PRESSURE         |                   | Elec.<br>Office<br>Reading | PSI |
|----------------------------------|------------------|-------------------|----------------------------|-----|
|                                  | Field<br>Reading | Office<br>Reading |                            |     |
| (A) Initial Hydrostatic Mud      | 1446             | 1446              |                            | PSI |
| (B) First Initial Flow Pressure  | 43               | 43                |                            | PSI |
| (C) First Final Flow Pressure    | 50               | 50                |                            | PSI |
| (D) Initial Closed-in Pressure   | 107              | 107               |                            | PSI |
| (E) Second Initial Flow Pressure | 51               | 51                |                            | PSI |
| (F) Second Final Flow Pressure   | 56               | 56                |                            | PSI |
| (G) Final Closed-in Pressure     | 77               | 77                |                            | PSI |
| (H) Final Hydrostatic Mud        | 1430             | 1430              |                            | PSI |



# DIAMOND TESTING

P.O. Box 157  
HOISINGTON, KANSAS 67544  
(620) 653-7550 • (800) 542-7313  
STC 30046.D729

Company L. D. Drilling, Inc. Lease & Well No.                      Panning No. 8-10  
Elevation 1768 KB Formation Arbuckle Effective Pay                      -- Ft. Ticket No. J2524  
Date 4-10-10 Sec. 10 Twp. 20S Range 11W County Barton State Kansas  
Test Approved By Josh R. Austin Diamond Representative John C. Riedl

Formation Test No. 2 Interval Tested from 3,263 ft. to 3,287 ft. Total Depth 3,287 ft.  
Packer Depth 3,258 ft. Size 6 3/4 in. Packer Depth                      -- ft. Size                      -- in.  
Packer Depth 3,263 ft. Size 6 3/4 in. Packer Depth                      -- ft. Size                      -- in.  
Depth of Selective Zone Set                      ft.

Top Recorder Depth (Inside) 3,266 ft. Recorder Number 30046 Cap. 6,000 psi  
Bottom Recorder Depth (Outside) 3,287 ft. Recorder Number 11017 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 52 Weight Pipe Length                      -- ft. I.D.                      -- in.  
Weight 9.3 Water Loss 10.0 cc. Drill Pipe Length 3,121 ft. I.D. 3 1/2 in.  
Chlorides 9,500 P.P.M. Test Tool Length 22 ft. Tool Size 3 1/2 - IF in.  
Jars: Make Sterling Serial Number Not Run Anchor Length 24 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 2 mins. Fair blow back during shut-in.  
2nd Open: Strong blow. Off bottom of bucket in 1 min. No blow back during shut-in.

Recovered 500 ft. of gas in pipe  
Recovered 1,100 ft. of very slightly mud cut gassy oil = 15.653000 bbls. (Grind out: 3%-mud; 25%-gas; 72%-oil)  
Recovered 750 ft. of gassy water = 9.555300 bbls. (Grind out: 10%-gas; 90%-water) Chlorides: 14,000 Ppm Gravity: 38 @ 60°  
Recovered 1,850 ft. of TOTAL FLUID = 25.208300 bbls.  
Recovered                      ft. of                     

Remarks                     

Time Set Packer(s) 8:50 A.M. Time Started Off Bottom 11:50 A.M. Maximum Temperature 107°  
Initial Hydrostatic Pressure                      (A) 1590 P.S.I.  
Initial Flow Period                      Minutes 30 (B) 142 P.S.I. to (C) 472 P.S.I.  
Initial Closed In Period                      Minutes 45 (D) 822 P.S.I.  
Final Flow Period                      Minutes 45 (E) 491 P.S.I. to (F) 719 P.S.I.  
Final Closed In Period                      Minutes 60 (G) 827 P.S.I.  
Final Hydrostatic Pressure                      (H) 1562 P.S.I.

## GENERAL INFORMATION

### Client Information:

Company: L D DRILLING INC

Contact: L D DAVIS

Phone: Fax: e-mail:

### Site Information:

Contact: JOSH AUSTIN

Phone: Fax: e-mail:

### Well Information:

Name: PANNING 8-10

Operator: L D DRILLING INC

Location-Downhole:

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

### Test Information:

Company: DIAMOND TESTING

Representative: JOHN RIEDL

Supervisor: JOSH AUSTIN

Test Type: CONVENTIONAL Job Number: D729

Test Unit:

Start Date: 2010/04/10 Start Time: 07:40:00

End Date: 2010/04/10 End Time: 14:15:00

Report Date: 2010/04/10 Prepared By: JOHN RIEDL

Qualified By: JOSH AUSTIN

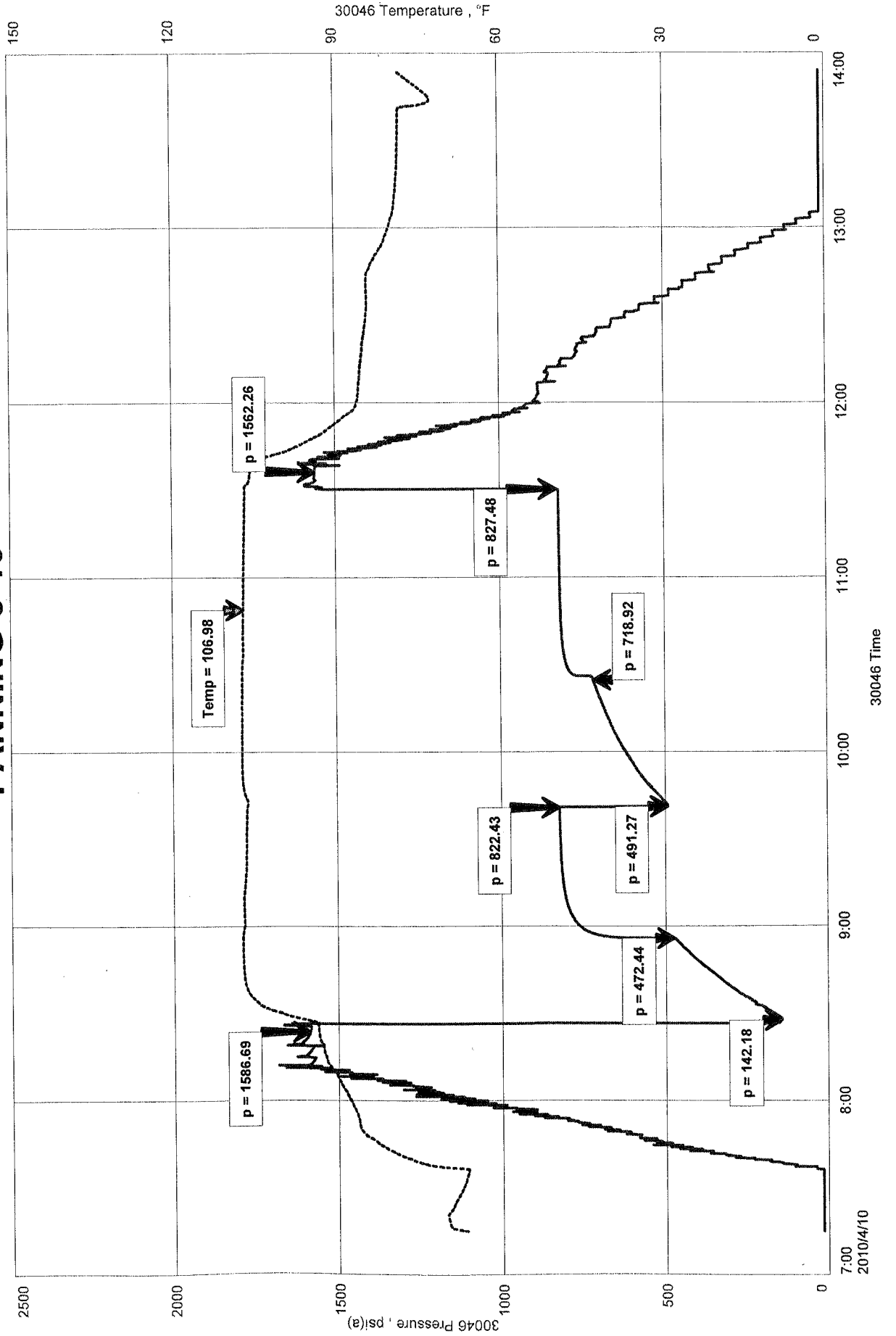
### Remarks:

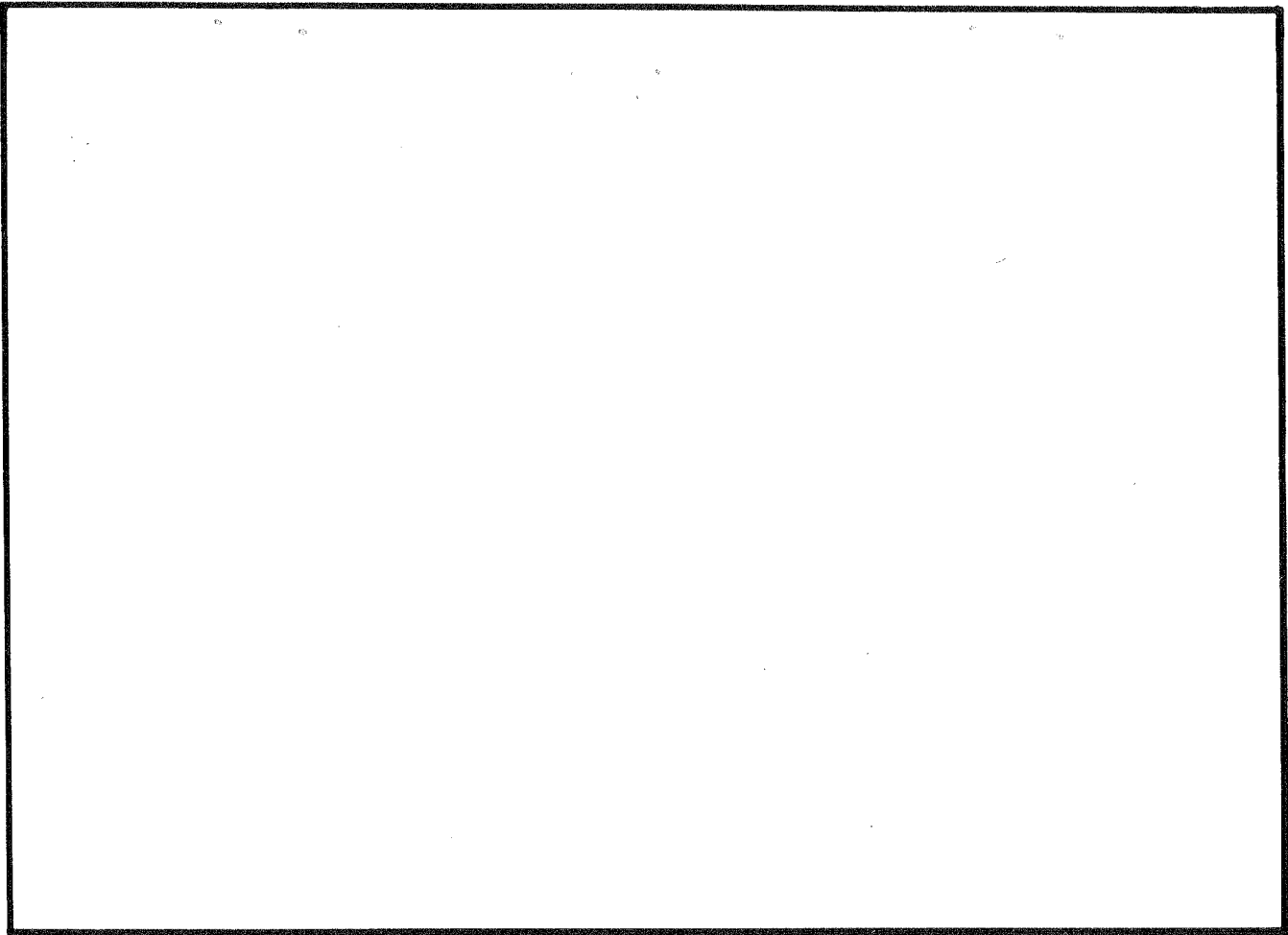
RECOVERY: 500' GAS IN PIPE: 1100' VERY SLIGHTLY MUD CUT GASSY OIL: 750' GASSY WATER

PANNING 8-10  
Formation: ARBUCKLE  
Job Number: D729

L D DRILLING INC  
Start Test Date: 2010/04/10  
Final Test Date: 2010/04/10

# PANNING 8-10





This is an actual photograph of recorder chart.

| POINT                                 | PRESSURE      |                      | PSI |
|---------------------------------------|---------------|----------------------|-----|
|                                       | Field Reading | Elec. Office Reading |     |
| (A) Initial Hydrostatic Mud .....     | 1590 .....    | 1590 .....           | PSI |
| (B) First Initial Flow Pressure.....  | 142 .....     | 142 .....            | PSI |
| (C) First Final Flow Pressure .....   | 472 .....     | 472 .....            | PSI |
| (D) Initial Closed-in Pressure .....  | 822 .....     | 822 .....            | PSI |
| (E) Second Initial Flow Pressure..... | 491 .....     | 491 .....            | PSI |
| (F) Second Final Flow Pressure.....   | 719 .....     | 719 .....            | PSI |
| (G) Final Closed-in Pressure.....     | 827 .....     | 827 .....            | PSI |
| (H) Final Hydrostatic Mud.....        | 1562 .....    | 1562 .....           | PSI |