



15-009-25122

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. 6-10
Elevation 1757 KB Formation Arbuckle Effective Pay -- Ft. Ticket No. 2402
Date 11-3-07 Sec. 10 Twp. 20S Range 11W County Barton State Kansas

Test Approved By George E. Petersen Diamond Representative Roger D. Friedly

Formation Test No. 1 Interval Tested from 3,276 ft. to 3,303 ft. Total Depth 3,303 ft.

Packer Depth 3,271 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Packer Depth 3,276 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Depth of Selective Zone Set ft.

Top Recorder Depth (Inside) 3,265 ft. Recorder Number 30035 Cap. 5,000 psi

Bottom Recorder Depth (Outside) 3,300 ft. Recorder Number 13387 Cap. 4,000 psi

Below Straddle Recorder Depth ft. Recorder Number Cap. psi

Drilling Contractor Petromark Drilling, LLC - Rig 2 Drill Collar Length 123 ft. I.D. 2 1/4 in.

Mud Type Chemical Viscosity 54 Weight Pipe Length -- ft. I.D. -- in.

Weight 9.1 Water Loss 9.6 cc. Drill Pipe Length 3,129 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 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 7/8 in. Tool Joint Size 4 1/2 - XH in.

Blow: 1st Open: Weak, 1/8 in., blow increasing to 3/4 in. No blow back during shut-in.
2nd Open: N/A

Recovered 10 ft. of drilling mud = .049200 bbls.

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks Tool Sample Grind Out: 100%-drilling mud with a few oil specks

Time Set Packer(s) 10:43 ^{A.M.} ~~P.M.~~ Time Started Off Bottom 11:43 ^{A.M.} ~~P.M.~~ Maximum Temperature 97°

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

Initial Flow Period Minutes 30 (B) 13 P.S.I. to (C) 14 P.S.I.

Initial Closed In Period Minutes 30 (D) 33 P.S.I.

Final Flow Period Minutes 0 (E) -- P.S.I. to (F) -- P.S.I.

Final Closed In Period Minutes 0 (G) -- P.S.I.

Final Hydrostatic Pressure (H) 1572 P.S.I.

GENERAL INFORMATION

Client Information:

Company: L.D. DRILLING, INC.

Contact: L.D. DAVIS

Phone: Fax: e-mail:

Site Information:

Contact: GEORGE PETERSON

Phone: Fax: e-mail:

Well Information:

Name: PANNING #6

Operator: L.D. DRILLING, INC.

Location-Downhole: DST #1 ARBUCKLE 3,276' - 3,303'

Location-Surface: SEC 10-20S-11W BARTON COUNTY

Test Information:

Company: DIAMOND TESTING

Representative: ROGER D. FRIEDLY

Supervisor: GEORGE PETERSON

Test Type: CONVENTIONAL

Job Number:

Test Unit: NO. 1

Start Date: 2007/11/03

Start Time: 09:05:00

End Date: 2007/11/03

End Time: 13:13:00

Report Date:

Prepared By:

Remarks:

Qualified By:

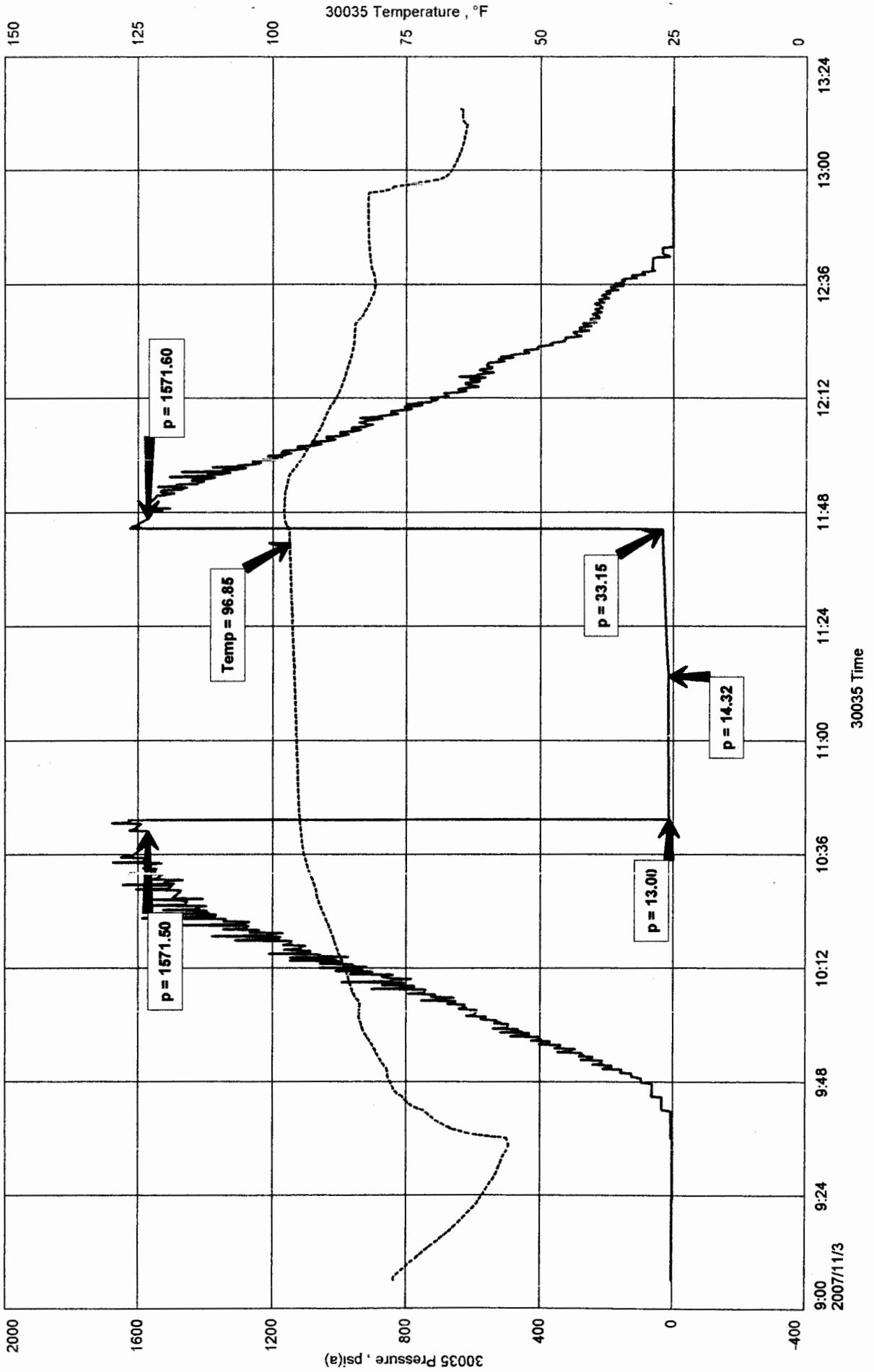
RECOVERED: 10' DRILLING MUD

TOOL SAMPLE : 100% DM - WITH A FEW OIL SPECKS

L.D. DRILLING, INC.
DST #1 ARBUCKLE 3,276' - 3,303'
Start Test Date: 2007/11/03
Final Test Date: 2007/11/03

PANNING #6
Formation: DST #3 ARBUCKLE 3,276' - 3,303'
Pool: WILDCAT

PANNING #6





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Company L. D. Drilling, Inc. Lease & Well No. Panning No. 6-10

Elevation 1757 KB Formation Arbuckle Effective Pay -- Ft. Ticket No. 2403

Date 11-3-07 Sec. 10 Twp. 20S Range 11W County Barton State Kansas

Test Approved By George E. Petersen Diamond Representative Roger D. Friedly

Formation Test No. 2 Interval Tested from 3,272 ft. to 3,309 ft. Total Depth 3,309 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) 3,261 ft. Recorder Number 30035 Cap. 5,000 psi

Bottom Recorder Depth (Outside) 3,306 ft. Recorder Number 13387 Cap. 4,000 psi

Below Straddle Recorder Depth ft. Recorder Number Cap. psi

Drilling Contractor Petromark Drilling, LLC - Rig 2 Drill Collar Length 123 ft. I.D. 2 1/4 in.

Mud Type Chemical Viscosity 54 Weight Pipe Length -- ft. I.D. -- in.

Weight 9.1 Water Loss 9.6 cc. Drill Pipe Length 3,125 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 Bowen Serial Number Not Run Anchor Length 37 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, 1/2 in., blow increasing to 1 1/2 ins. No blow back during shut-in.
2nd Open: Weak, surface blow increasing to 1/2 in. No blow back during shut-in.

Recovered 20 ft. of oil cut mud = .098400 bbls. (Grind out: 12%-oil; 88%-mud)

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks Tool Sample Grind Out: 26%-oil; 74%-mud

Time Set Packer(s) 7:23 ^{XXX} P.M. Time Started Off Bottom 9:23 ^{XXX} P.M. Maximum Temperature 96°

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

Initial Flow Period Minutes 30 (B) 13 P.S.I. to (C) 18 P.S.I.

Initial Closed In Period Minutes 30 (D) 259 P.S.I.

Final Flow Period Minutes 30 (E) 19 P.S.I. to (F) 22 P.S.I.

Final Closed In Period Minutes 30 (G) 283 P.S.I.

Final Hydrostatic Pressure (H) 1568 P.S.I.

GENERAL INFORMATION

Client Information:

Company: L.D. DRILLING, INC.

Contact: L.D. DAVIS

Phone: Fax: e-mail:

Site Information:

Contact: GEORGE PETERSON

Phone: Fax: e-mail:

Well Information:

Name: PANNING #6

Operator: L.D. DRILLING, INC.

Location-Downhole: DST #2 ARBUCKLE 3,272' - 3,309'

Location-Surface: SEC 10-20S-11W BARTON COUNTY

Test Information:

Company: DIAMOND TESTING

Representative: ROGER D. FRIEDLY

Supervisor: GEORGE PETERSOM

Test Type: CONVENTIONAL Job Number:

Test Unit: NO. 1

Start Date: 2007/11/03 Start Time: 17:49:00

End Date: 2007/11/03 End Time: 23:02:00

Report Date: Prepared By:

Remarks: Qualified By:

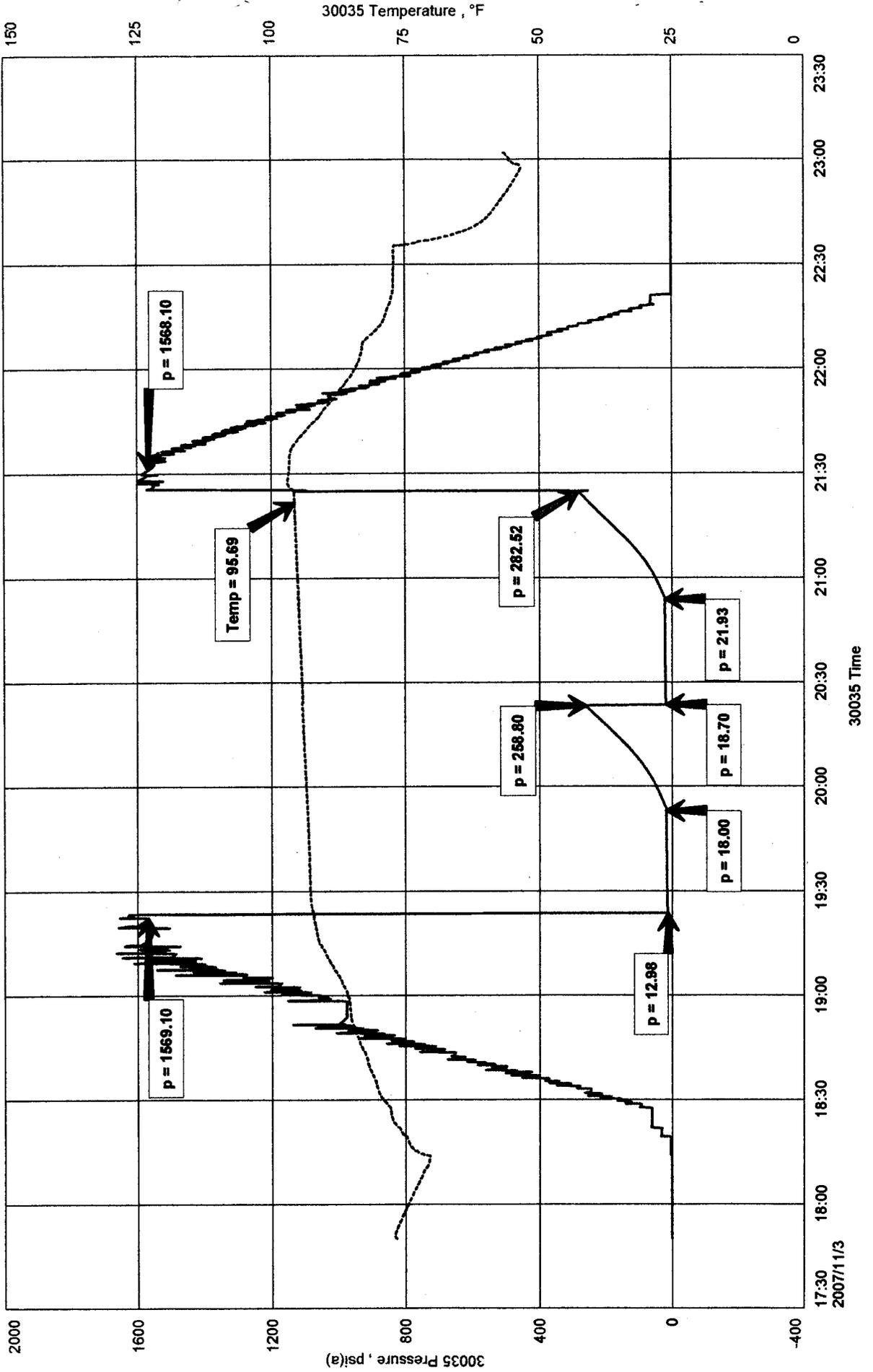
RECOVERED: 20 OCM 12% OIL, 88% MUD

TOOL SAMPLE: 26% OIL, 74% MUD

L.D. DRILLING, INC.
 DST #2 ARBUCKLE 3,272' - 3,309'
 Start Test Date: 2007/11/03
 Final Test Date: 2007/11/03

PANNING #6
 Formation: DST #2 ARBUCKLE 3,272' - 3,309'
 Pool: WILDCAT

PANNING #6





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Page 1 of 2 Pages

Company L. D. Drilling, Inc. Lease & Well No. Panning No. 6-10

Elevation 1757 KB Formation Arbuckle Effective Pay -- Ft. Ticket No. 2404

Date 11-4-07 Sec. 10 Twp. 20S Range 11W County Barton State Kansas

Test Approved By George E. Petersen Diamond Representative Roger D. Friedly

Formation Test No. 3 Interval Tested from 3,290 ft. to 3,317 ft. Total Depth 3,317 ft.

Packer Depth 3,285ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Packer Depth 3,290ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Depth of Selective Zone Set ft.

Top Recorder Depth (Inside) 3,279 ft. Recorder Number 30035 Cap. 5,000 psi

Bottom Recorder Depth (Outside) 3,314 ft. Recorder Number 13387 Cap. 4,000 psi

Below Straddle Recorder Depth ft. Recorder Number Cap. psi

Drilling Contractor Petromark Drilling, LLC - Rig 2 Drill Collar Length 123 ft. I.D. 2 1/4 in.

Mud Type Chemical Viscosity 54 Weight Pipe Length -- ft. I.D. -- in.

Weight 9.1 Water Loss 9.6 cc. Drill Pipe Length 3,143 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 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: Weak, 1/2 in., blow increasing to 2 ins. No blow back during shut-in.

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

Recovered 20 ft. of oil cut mud = .098400 bbls. (Grind out: 6%-oil; 94%-mud)

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks Tool Sample Grind Out: 12%-oil; 88%-mud

Time Set Packer(s) 3:48 ~~P.M.~~ ^{A.M.} Time Started Off Bottom 5:48 ~~P.M.~~ ^{A.M.} Maximum Temperature 93°

Initial Hydrostatic Pressure (A) 1595 P.S.I.

Initial Flow Period Minutes 30 (B) 14 P.S.I. to (C) 20 P.S.I.

Initial Closed In Period Minutes 30 (D) 139 P.S.I.

Final Flow Period Minutes 30 (E) 22 P.S.I. to (F) 25 P.S.I.

Final Closed In Period Minutes 30 (G) 102 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: GEORGE PETERSON

Phone: Fax: e-mail:

Well Information:

Name: PANNING #6-10

Operator: L.D. DRILLING, INC.

Location-Downhole: DST #3 ARBUCKLE 3,290' - 3,317'

Location-Surface: SEC 10-20S-11W BARTON COUNTY

Test Information:

Company: DIAMOND TESTING

Representative: ROGER D. FRIEDLY

Supervisor: GEORGE PETERSON

Test Type: CONVENTIONAL Job Number:

Test Unit: NO. 1

Start Date: 2007/11/04 Start Time: 02:29:00

End Date: 2007/11/04 End Time: 07:44:00

Report Date: Prepared By:

Qualified By:

Remarks:

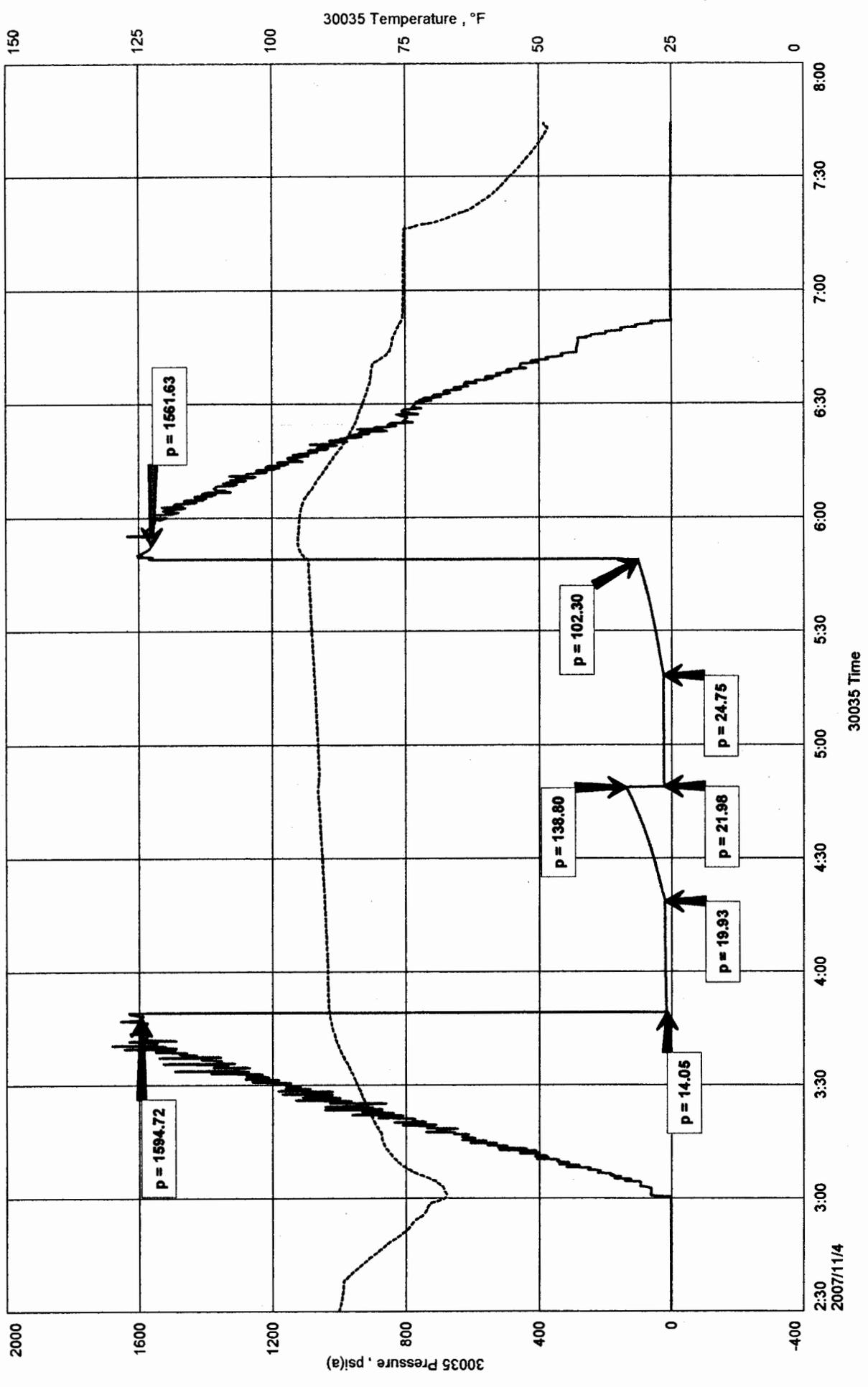
RECOVERED: 20' OCM 6% OIL, 94% MUD

TOOL SAMPLE: 12% OIL, 88% MUD

L.D. DRILLING, INC.
 DST #3 ARBUCKLE 3,290' - 3,317'
 Start Test Date: 2007/11/04
 Final Test Date: 2007/11/04

PANNING #6-10
 Formation: DST #3 ARBUCKLE 3,290' - 3,317'
 Pool: WILDCAT

PANNING #6-10





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Company L. D. Drilling, Inc. Lease & Well No. Panning No. 6-10
Elevation 1757 KB Formation Arbuckle Effective Pay -- Ft. Ticket No. 2405
Date 11-4-07 Sec. 10 Twp. 20S Range 11W County Barton State Kansas
Test Approved By George E. Petersen Diamond Representative Roger D. Friedly

Formation Test No. 4 Interval Tested from 3,317 ft. to 3,329 ft. Total Depth 3,329 ft.
Packer Depth 3,312 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.
Packer Depth 3,317 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.
Depth of Selective Zone Set ft.

Top Recorder Depth (Inside) 3,306 ft. Recorder Number 30035 Cap. 5,000 psi
Bottom Recorder Depth (Outside) 3,326 ft. Recorder Number 13387 Cap. 4,000 psi
Below Straddle Recorder Depth ft. Recorder Number Cap. psi

Drilling Contractor Petromark Drilling, LLC - Rig 2 Drill Collar Length 123 ft. I.D. 2 1/4 in.
Mud Type Chemical Viscosity 45 Weight Pipe Length -- ft. I.D. -- in.
Weight 9.3 Water Loss 9.2 cc. Drill Pipe Length 3,170 ft. I.D. 3 1/2 in.
Chlorides 6,000 P.P.M. Test Tool Length 24 ft. Tool Size 3 1/2 - IF in.
Jars: Make Bowen Serial Number Not Run Anchor Length 12 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: Good, 1 in., blow increasing. Off bottom of bucket in 2 3/4 mins. No blow back during shut-in.
2nd Open: N/A

Recovered 15 ft. of watery mud with oil specks = .213000 bbls. (Grind out: 20%-water; 80%-mud)
Recovered 189 ft. of watery mud = 2.683800 bbls. (Grind out: 30%-water; 70%-mud)
Recovered 315 ft. of muddy water = 4.473000 bbls. (Grind out: 10%-mud; 90%-water)
Recovered 309 ft. of salt water = 3.246360 bbls. (Chlorides: 11,500 Ppm)
Recovered 828 ft. of TOTAL FLUID = 10.616160 bbls.

Remarks Tool Sample Grind Out: 100%-salt water with some free oil

Time Set Packer(s) 1:38 P.M. Time Started Off Bottom 2:38 P.M. Maximum Temperature 108°
Initial Hydrostatic Pressure (A) 1592 P.S.I.
Initial Flow Period Minutes 30 (B) 38 P.S.I. to (C) 381 P.S.I.
Initial Closed In Period Minutes 30 (D) 1110 P.S.I.
Final Flow Period Minutes 0 (E) -- P.S.I. to (F) -- P.S.I.
Final Closed In Period Minutes 0 (G) -- P.S.I.
Final Hydrostatic Pressure (H) 1559 P.S.I.

L.D. DRILLING, INC.
 DST #4 ARBUCKLE 3,317' - 3,329'
 Start Test Date: 2007/11/04
 Final Test Date: 2007/11/04

PANNING #6-10
 Formation: DST #4 ARBUCKLE 3,317' - 3,329'
 Pool: WILDCAT

PANNING #6-10

