

15-185-23572

28-215-12w

**DIAMOND TESTING**  
P.O. Box 157  
HOISINGTON, KANSAS 67544  
(620) 653-7550 • (800) 542-7313  
STC 30035.D015

Company L. D. Drilling, Inc. Lease & Well No. Jon No. 1-28

Elevation 1853 KB Formation Lansing/Kansas City/Viola Effective Pay -- Ft. Ticket No. P015

Date 2-28-09 Sec. 28 Twp. 21S Range 12W County Stafford State Kansas

Test Approved By Kim B. Shoemaker Diamond Representative Paul Schilowsky

Formation Test No. 1 Interval Tested from 3,476 ft. to 3,545 ft. Total Depth 3,545 ft.

Packer Depth 3,471 ft. Size 6 3/4 in. Packer Depth --ft. Size -- in.

Packer Depth 3,476 ft. Size 6 3/4 in. Packer Depth --ft. Size -- in.

Depth of Selective Zone Set          ft.

Top Recorder Depth (Inside) 3,459 ft. Recorder Number 30035 Cap. 5,000 psi

Bottom Recorder Depth (Outside) 3,542 ft. Recorder Number 13387 Cap. 3,900 psi

Below Straddle Recorder Depth          ft. Recorder Number          Cap.          psi

Drilling Contractor L. D. Drilling, Inc. - Rig 1 Drill Collar Length -- ft. I.D. -- in.

Mud Type Chemical Viscosity 46 Weight Pipe Length -- ft. I.D. -- in.

Weight 9.2 Water Loss 10.8 cc. Drill Pipe Length 3,444 ft. I.D. 3 1/2 in.

Chlorides 4,800 P.P.M. Test Tool Length 32 ft. Tool Size 3 1/2 - IF in.

Jars: Make Sterling Serial Number 1 Anchor Length 38' 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: Weak blow building to 2 ins. No blow back during shut-in.

2nd Open: Weak blow building to 3 1/2 ins. No blow back during shut-in.

Recovered 10 ft. of slightly oil cut mud = .102600 bbls. (Grind out: 2%-oil; 98%-mud)

Recovered          ft. of         

Recovered          ft. of         

Recovered          ft. of         

Recovered          ft. of         

Remarks Tool Sample Grind Out: 2%-oil; 98%-mud

Time Set Packer(s) 3:49 A.M. P.M. Time Started Off Bottom 6:49 A.M. P.M. Maximum Temperature 102°

Initial Hydrostatic Pressure ..... (A) 1693 P.S.I.

Initial Flow Period ..... Minutes 30 (B) 24 P.S.I. to (C) 27 P.S.I.

Initial Closed In Period ..... Minutes 45 (D) 64 P.S.I.

Final Flow Period ..... Minutes 45 (E) 23 P.S.I. to (F) 27 P.S.I.

Final Closed In Period ..... Minutes 60 (G) 64 P.S.I.

Final Hydrostatic Pressure ..... (H) 1693 P.S.I.

## GENERAL INFORMATION

### Client Information:

Company: LD DRLG.CO.

Contact: LD DAVIS

Phone: Fax: e-mail:

### Site Information:

Contact: KIM SHOEMAKER

Phone: Fax: e-mail:

### Well Information:

Name: JON 1-28

Operator: LD DRLG.CO.

Location-Downhole: DST #1 LAN. KC. VIOLA 3476-3545

Location-Surface: SEC 28 / 21 S / 12 W

### Test Information:

Company: DIAMOND TESTING

Representative: PAUL

Supervisor: KIM SHOEMAKER

Test Type: Drill Stem Test

Job Number: P015

Test Unit: NO. 1

Start Date: 2009/02/27

Start Time: 23:59:00

End Date: 2009/02/28

End Time: 09:03:00

Report Date: 2009/02/28

Prepared By: PAUL

### Remarks:

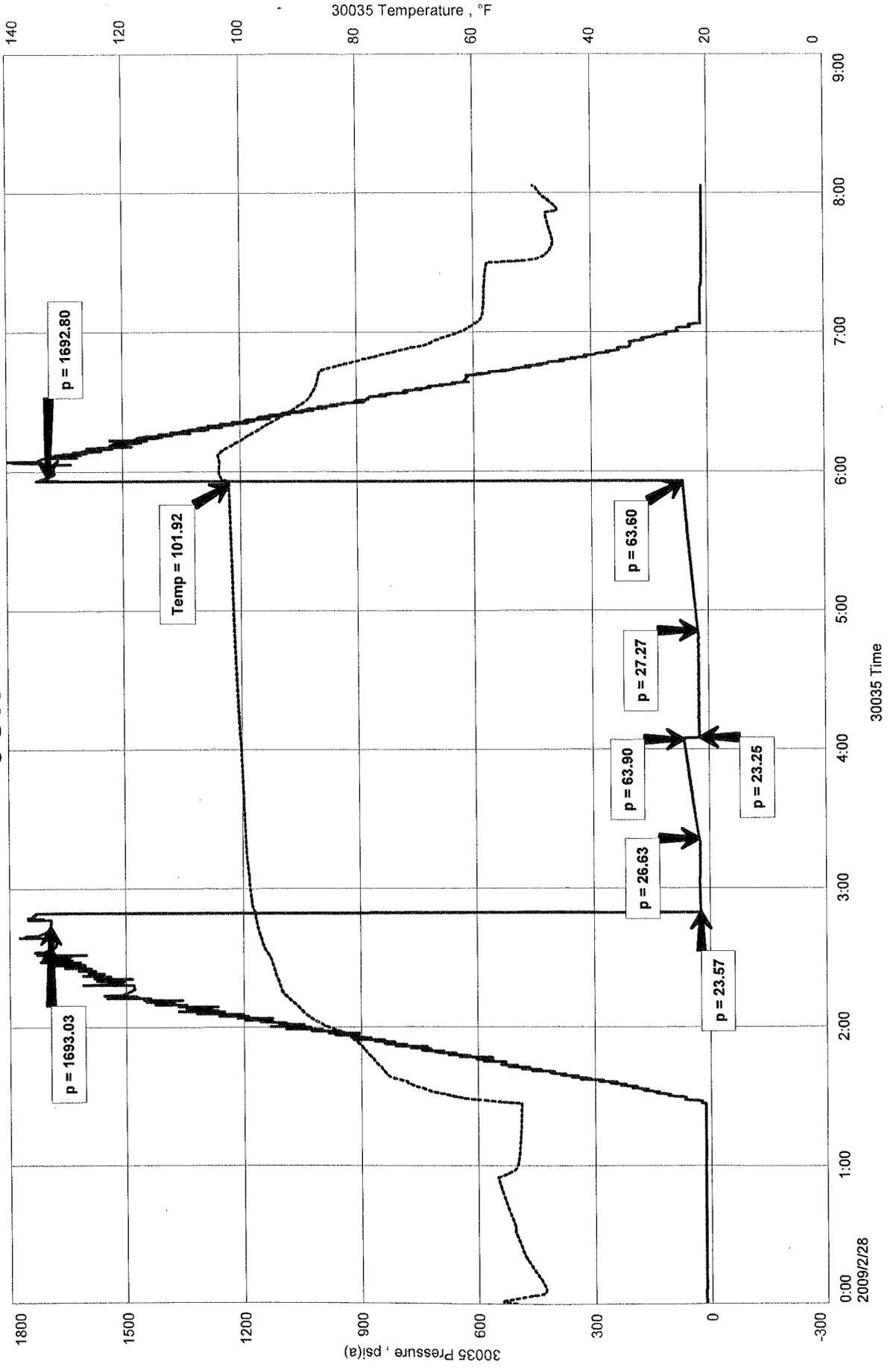
Qualified By: KIM SHOEMAKER

RECOVERED: 10 FT. SOCM  
2% OIL 98% MUD  
TOOL SMPL: 2%OIL 98% MUD

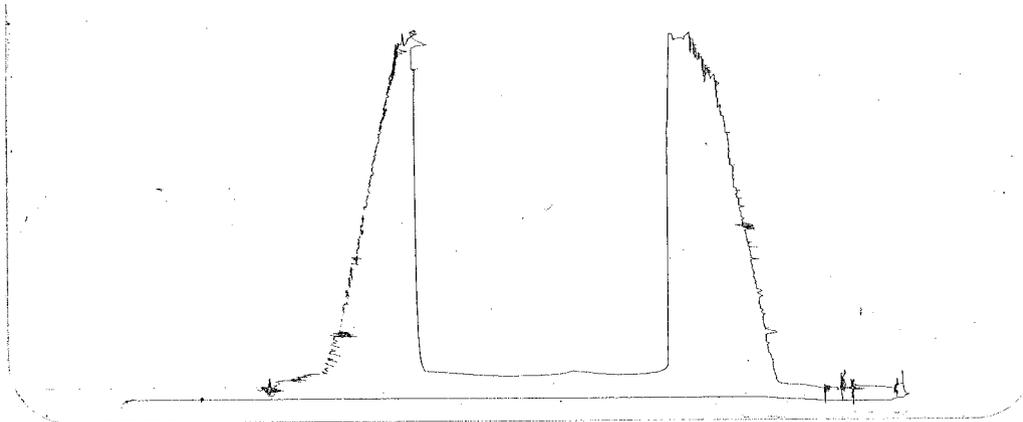
JON 1-28  
Formation: DST #1 LAN. KC. VIOLA 3476-3545  
Job Number: P015

LD DRILG.CO.  
DST #1 LAN. KC. VIOLA 3476-3545  
Start Test Date: 2009/02/27  
Final Test Date: 2009/02/28

JON 1-28

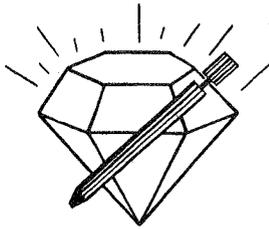


#13387 DST #1 Lan. KQ Viola 3476-3545 outside  
 Lac. 3542



This is an actual photograph of recorder chart.

POINT	PRESSURE		Elec. Office Reading	PSI
	Field Reading			
(A) Initial Hydrostatic Mud .....	1693		1693	PSI
(B) First Initial Flow Pressure.....	24		24	PSI
(C) First Final Flow Pressure .....	27		27	PSI
(D) Initial Closed-in Pressure .....	64		64	PSI
(E) Second Initial Flow Pressure.....	23		23	PSI
(F) Second Final Flow Pressure.....	27		27	PSI
(G) Final Closed-in Pressure.....	64		64	PSI
(H) Final Hydrostatic Mud.....	1693		1693	PSI



# DIAMOND TESTING

P.O. Box 157  
HOISINGTON, KANSAS 67544  
(620) 653-7550 • (800) 542-7313  
STC 30035.D016

Company L. D. Drilling, Inc. Lease & Well No. Jon No. 1-28

Elevation 1853 KB Formation Arbuckle Effective Pay      -- Ft. Ticket No. P016

Date 2-28-09 Sec. 28 Twp. 21S Range 12W County Stafford State Kansas

Test Approved By Kim B. Shoemaker Diamond Representative Paul Schilowsky

Formation Test No. 2 Interval Tested from 3,538 ft. to 3,613 ft. Total Depth 3,613 ft.

Packer Depth 3,533 ft. Size 6 3/4 in. Packer Depth      --ft. Size      -- in.

Packer Depth 3,538 ft. Size 6 3/4 in. Packer Depth      --ft. Size      -- in.

Depth of Selective Zone Set      ft.

Top Recorder Depth (Inside)      3,521 ft. Recorder Number 30035 Cap. 5,000 psi

Bottom Recorder Depth (Outside)      3,610 ft. Recorder Number 13387 Cap. 3,900 psi

Below Straddle Recorder Depth      ft. Recorder Number      Cap.      psi

Drilling Contractor L. D. Drilling, Inc. - Rig 1 Drill Collar Length      -- ft. I.D.      -- in.

Mud Type Chemical Viscosity 48 Weight Pipe Length      -- ft. I.D.      -- in.

Weight 9.4 Water Loss 9.6 cc. Drill Pipe Length 3,506 ft. I.D.      3 1/2 in.

Chlorides 7,000 P.P.M. Test Tool Length 32 ft. Tool Size 3 1/2 - IF in.

Jars: Make Sterling Serial Number 1 Anchor Length 44' 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: Good blow. Building. Off bottom of bucket in 12 mins. 1 in. blow back during shut-in.  
2nd Open: Good blow. Building. Off bottom of bucket in 15 mins. 1 in. blow back during shut-in.

Recovered 480 ft. of gas in pipe

Recovered 75 ft. of clean oil = .769500 bbls.

Recovered 186 ft. of mud cut oil = 1.908360 bbls. (Grind out: 30%-mud; 70%-oil)

Recovered 261 ft. of TOTAL FLUID = 2.677860 bbls.

Recovered      ft. of     

Remarks Tool Sample Grind Out: 50%-mud; 50%-oil

Time Set Packer(s) 7:59 <sup>XXM.</sup> P.M. Time Started Off Bottom 10:59 <sup>XXM.</sup> P.M. Maximum Temperature 102°

Initial Hydrostatic Pressure ..... (A) 1724 P.S.I.

Initial Flow Period ..... Minutes 30 (B) 29 P.S.I. to (C) 72 P.S.I.

Initial Closed In Period ..... Minutes 45 (D) 1197 P.S.I.

Final Flow Period ..... Minutes 45 (E) 80 P.S.I. to (F) 125 P.S.I.

Final Closed In Period ..... Minutes 60 (G) 1186 P.S.I.

Final Hydrostatic Pressure ..... (H) 1723 P.S.I.

## GENERAL INFORMATION

### Client Information:

Company: LD DRLG. CO.

Contact: LD DAVIS

Phone: Fax: e-mail:

### Site Information:

Contact: KIM SHOEMAKER

Phone: Fax: e-mail:

### Well Information:

Name: JON 1-28

Operator: LD DRLG. CO.

Location-Downhole: DST #2 ARBUCKLE 3538-3613

Location-Surface: SEC 28 / 21 W / 12 S

### Test Information:

Company: DIAMOND TESTING

Representative: PAUL

Supervisor: KIM SHOEMAKER

Test Type: Drill Stem Test Job Number: P016

Test Unit: NO. 1

Start Date: 2009/02/28 Start Time: 17:53:00

End Date: 2009/03/01 End Time: 02:19:00

Report Date: 2009/03/01 Prepared By: PAUL

Qualified By: KIM SHOEMAKER

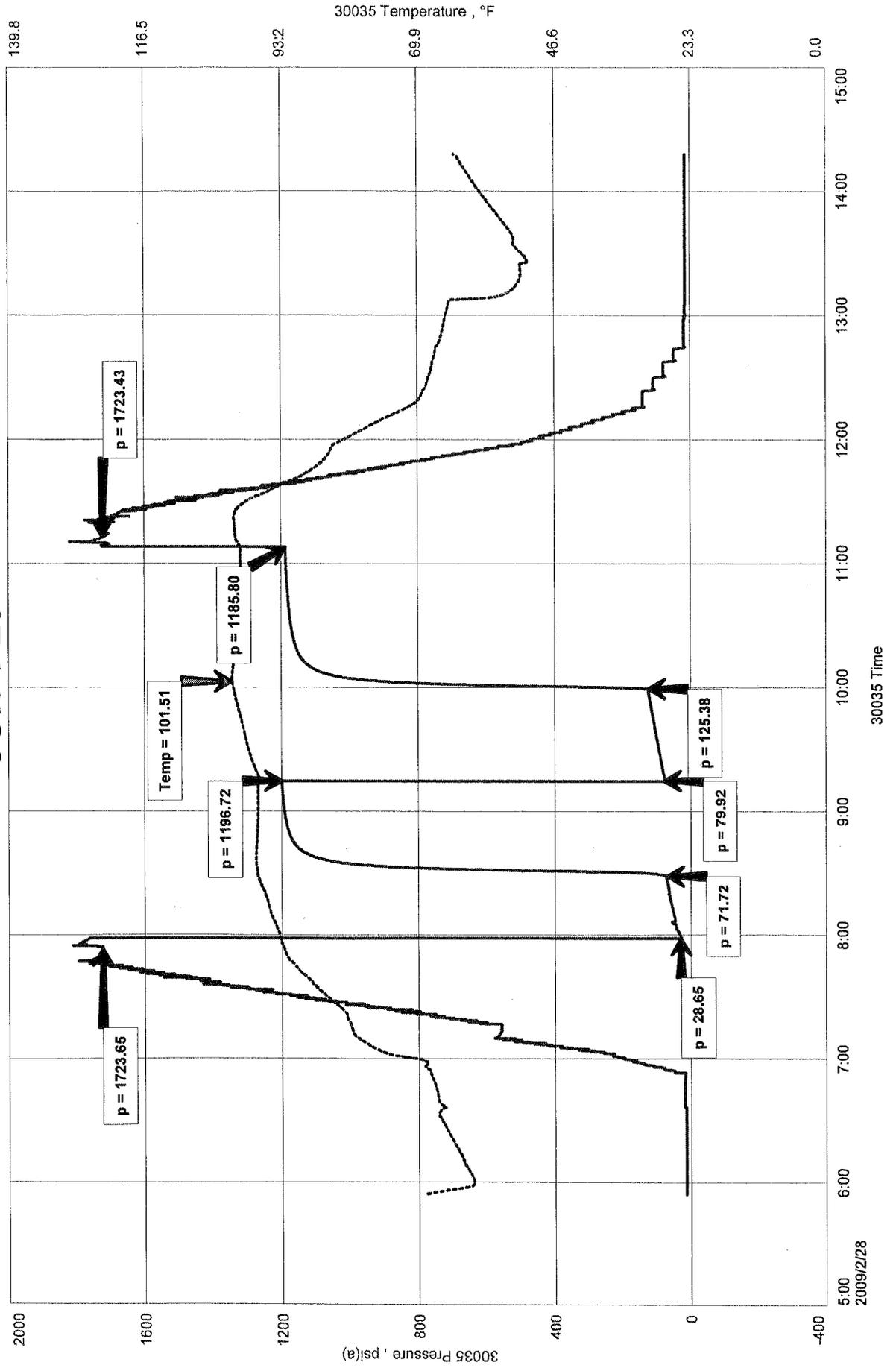
### Remarks:

RECOVERED: 75 FT. CO  
186 FT. MCO 70% OIL 30% MUD  
480 FT. GIP  
TOOL SMPL: 50% OIL 50% MUD  
261 FT. OF FLUID TOTAL

JON 1-28  
Formation: DST#2 ARBUCKLE 3538-3613  
Job Number: P016

LD DRLG. CO.  
DST #2 ARBUCKLE 3538-3613  
Start Test Date: 2009/02/28  
Final Test Date: 2009/03/01

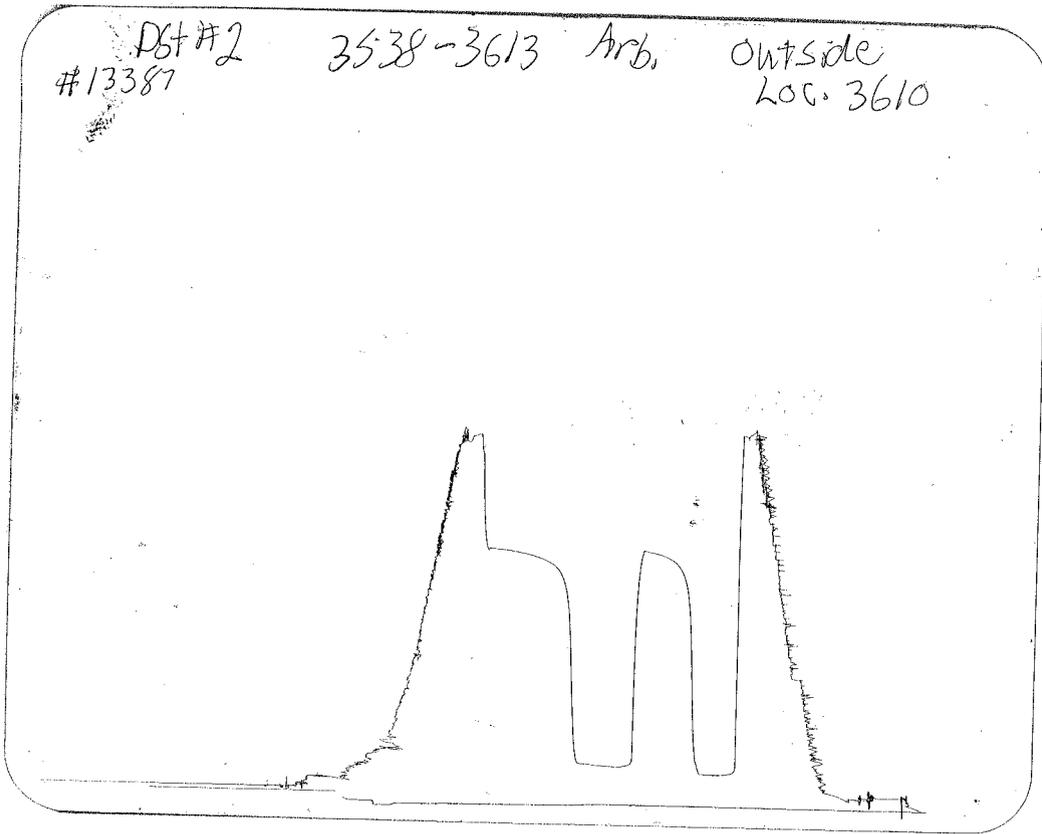
# JON 1-28



DST #2  
#13387

3538-3613 Arb.

Outside  
LOG. 3610



This is an actual photograph of recorder chart.

POINT	PRESSURE		PSI
	Field Reading	Elec. Office Reading	
(A) Initial Hydrostatic Mud .....	1724	1724	PSI
(B) First Initial Flow Pressure .....	29	29	PSI
(C) First Final Flow Pressure .....	72	72	PSI
(D) Initial Closed-in Pressure .....	1197	1197	PSI
(E) Second Initial Flow Pressure .....	80	80	PSI
(F) Second Final Flow Pressure .....	125	125	PSI
(G) Final Closed-in Pressure .....	1186	1186	PSI
(H) Final Hydrostatic Mud .....	1723	1723	PSI