

DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(620) 653-7550 • (800) 542-7313
STC 21083.D77

Company L. D. Drilling, Inc. Lease & Well No. Stude No. 1
Elevation 2097 KB Formation Cherokee/Mississippi Effective Pay Ft. Ticket No. J1664
Date 5-17-05 Sec. 27 Twp. 23S Range 17W County Pawnee State Kansas
Test Approved By Terry McLeod Diamond Representative John C. Riedl

Formation Test No. 1 Interval Tested from 4,175 ft. to 4,250 ft. Total Depth 4,250 ft.
Packer Depth 4,170 ft. Size 6 3/4 in. Packer Depth ft. Size in.
Packer Depth 4,175 ft. Size 6 3/4 in. Packer Depth ft. Size in.
Depth of Selective Zone Set ft.

Top Recorder Depth (Inside) 4,178 ft. Recorder Number 21083 Cap. 5,000 psi
Bottom Recorder Depth (Outside) 4,247 ft. Recorder Number 11017 Cap. 3,900 psi
Below Straddle Recorder Depth ft. Recorder Number Cap. psi

Drilling Contractor Petromark Drilling, LLC - 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 16.0 cc. Drill Pipe Length 4,149 ft. I.D. 3 1/2 in.
Chlorides 7,000 P.P.M. Test Tool Length 26 ft. Tool Size 3 1/2 - IF in.
Jars: Make Bowen Serial Number No. 2 Anchor Length 75 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 30 secs. Gas to surface in 2 mins. No blow back during shut-in.
2nd Open: Strong blow. Gas to surface throughout. (SEE GAS VOLUME REPORT)

Recovered 2 ft. of drip gas cut mud = .028400 bbls. (Grind Out: 50%-gas; 50%-mud)
Recovered ft. of
Recovered ft. of
Recovered ft. of
Recovered ft. of

Remarks

Time Set Packer(s) 11:33 ~~PM~~ ^{A.M.} Time Started Off Bottom 2:48 ~~PM~~ ^{AM} Maximum Temperature 114°
Initial Hydrostatic Pressure (A) 2049 P.S.I.
Initial Flow Period Minutes 30 (B) 679 P.S.I. to (C) 785 P.S.I.
Initial Closed In Period Minutes 45 (D) 1375 P.S.I.
Final Flow Period Minutes 60 (E) 770 P.S.I. to (F) 784 P.S.I.
Final Closed In Period Minutes 60 (G) 1358 P.S.I.
Final Hydrostatic Pressure (H) 1993 P.S.I.

GENERAL INFORMATION

Client Information:

Company: L D DRILLING INC
Contact: L D DAVIS
Phone: Fax: e-mail:

Site Information:

Contact: TERRY MCLEOD
Phone: Fax: e-mail:

Well Information:

Name: STUDE #1
Operator: L D DRILLING INC
Location-Downhole: DST #1 4175-4250
Location-Surface: S27/23S/17W PAWNEE COUNTY

Test Information:

Company: DIAMOND TESTING
Representative: JOHN RIEDL
Supervisor: TERRY MCLEOD
Test Type: CONVENTIONAL Job Number: D77
Test Unit: 2
Start Date: 2005/05/17 Start Time: 09:30:00
End Date: 2005/05/17 End Time: 18:31:00
Report Date: 2005/05/17 Prepared By: JOHN RIEDL
Qualified By: TERRY MCLEOD

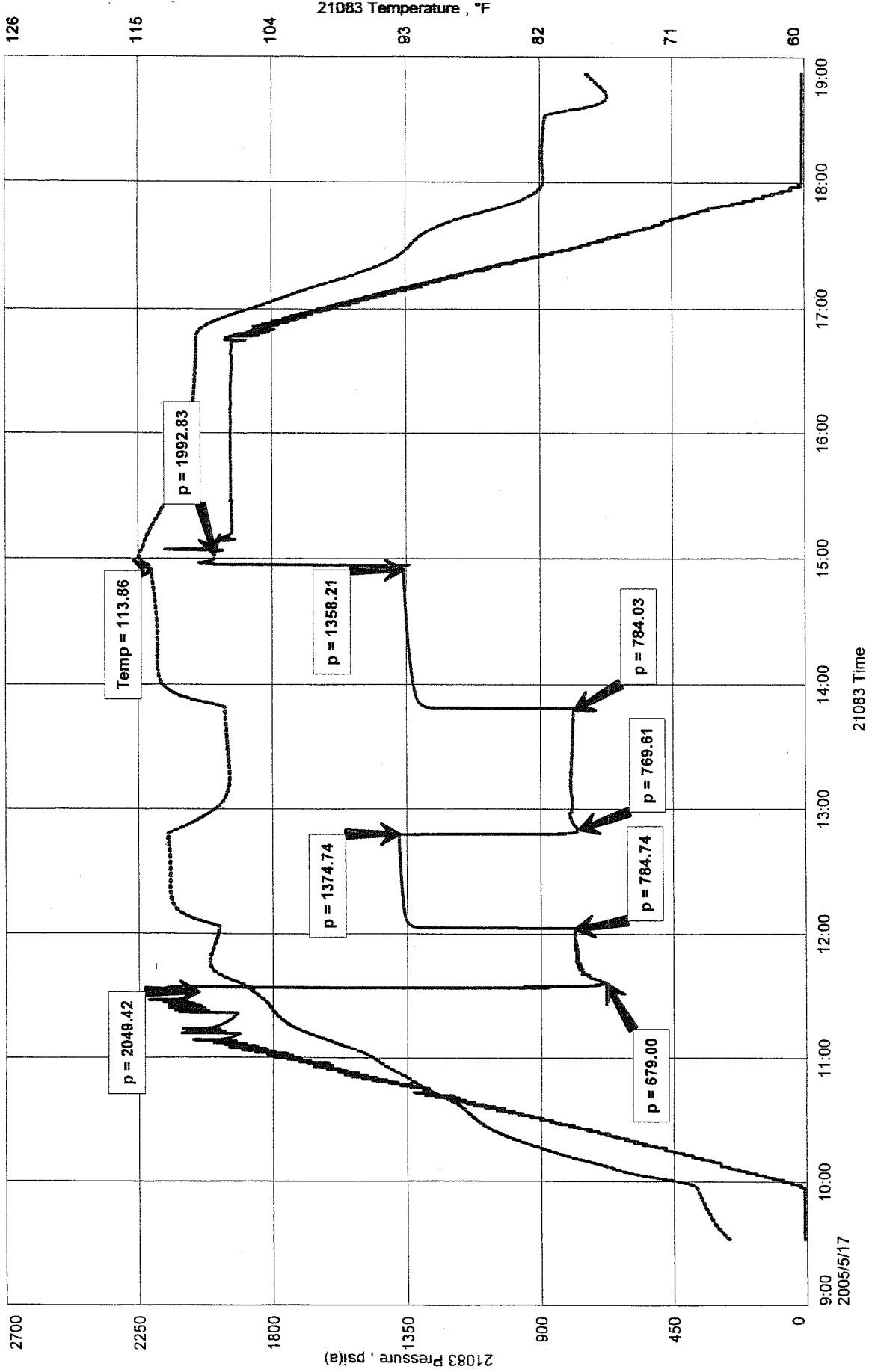
Remarks:

RECOVERY: 2' DRIP GAS CUT MUD
GAS TO SURFACE 2 MINUTES 1ST FLOW (SEE GAS VOLUME REPORT)

L D DRILLING INC
DST #1 4175-4250
Start Test Date: 2005/05/17
Final Test Date: 2005/05/17

STUDE #:
Formation: CHEROKEE SAND + MISSISSIPPI
Job Number: D7

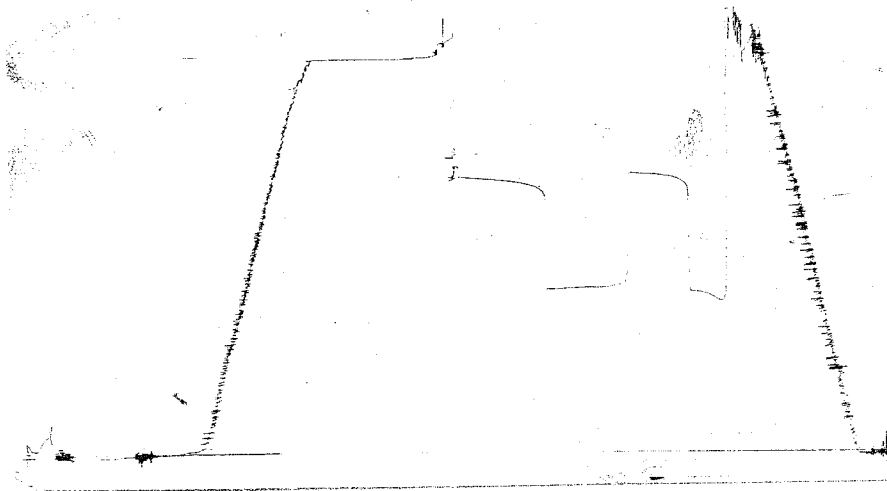
STUDE #1



OST# STUPP
L.D DRILLING

REC# 44012

OST# STUPP
LOC 4247



This is an actual photograph of recorder chart.

POINT	PRESSURE Elec.		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	2049	2049	PSI
(B) First Initial Flow Pressure.....	679	679	PSI
(C) First Final Flow Pressure	785	785	PSI
(D) Initial Closed-in Pressure	1375	1375	PSI
(E) Second Initial Flow Pressure.....	770	770	PSI
(F) Second Final Flow Pressure.....	784	784	PSI
(G) Final Closed-in Pressure.....	1358	1358	PSI
(H) Final Hydrostatic Mud.....	1993	1993	PSI