



DIAMOND TESTING

P.O. Box 157
HOISINGTON, KANSAS 67544
(620) 653-7550 • (800) 542-7313
STC 21083.D112

Company L. D. Drilling, Inc. Lease & Well No. Hickel No. 9
Elevation 1807 KB Formation Arbuckle Effective Pay -- Ft. Ticket No. J1702
Date 7-15-05 Sec. 30 Twp. 17S Range 10W County Ellsworth State Kansas
Test Approved By Jim Musgrove Diamond Representative John C. Riedl

Formation Test No. 1 Interval Tested from 3,235 ft. to 3,310 ft. Total Depth 3,310 ft.
Packer Depth 3,230 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.
Packer Depth 3,235 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.
Depth of Selective Zone Set ft.

Top Recorder Depth (Inside) 3,238 ft. Recorder Number 21083 Cap. 5,000 psi
Bottom Recorder Depth (Outside) 3,307 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 -- ft. I.D. -- in.
Mud Type Chemical Viscosity 60 Weight Pipe Length -- ft. I.D. -- in.
Weight 9.3 Water Loss 13.0 cc. Drill Pipe Length 3,215 ft. I.D. 3 1/2 in.
Chlorides 7,000 P.P.M. Test Tool Length 20 ft. Tool Size 3 1/2 - IF in.
Jars: Make Bowen Serial Number Not Run Anchor Length 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: Weak, 1 1/2 in., blow. No blow back during shut-in.
2nd Open: Weak, 3/4 in., blow. No blow back during shut-in.

Recovered 280 ft. of slightly mud & gas cut oil = 3.976000 bbls. (Grind out: 10%-mud; 10%-gas; 80%-oil)
Recovered ft. of
Recovered ft. of
Recovered ft. of
Recovered ft. of

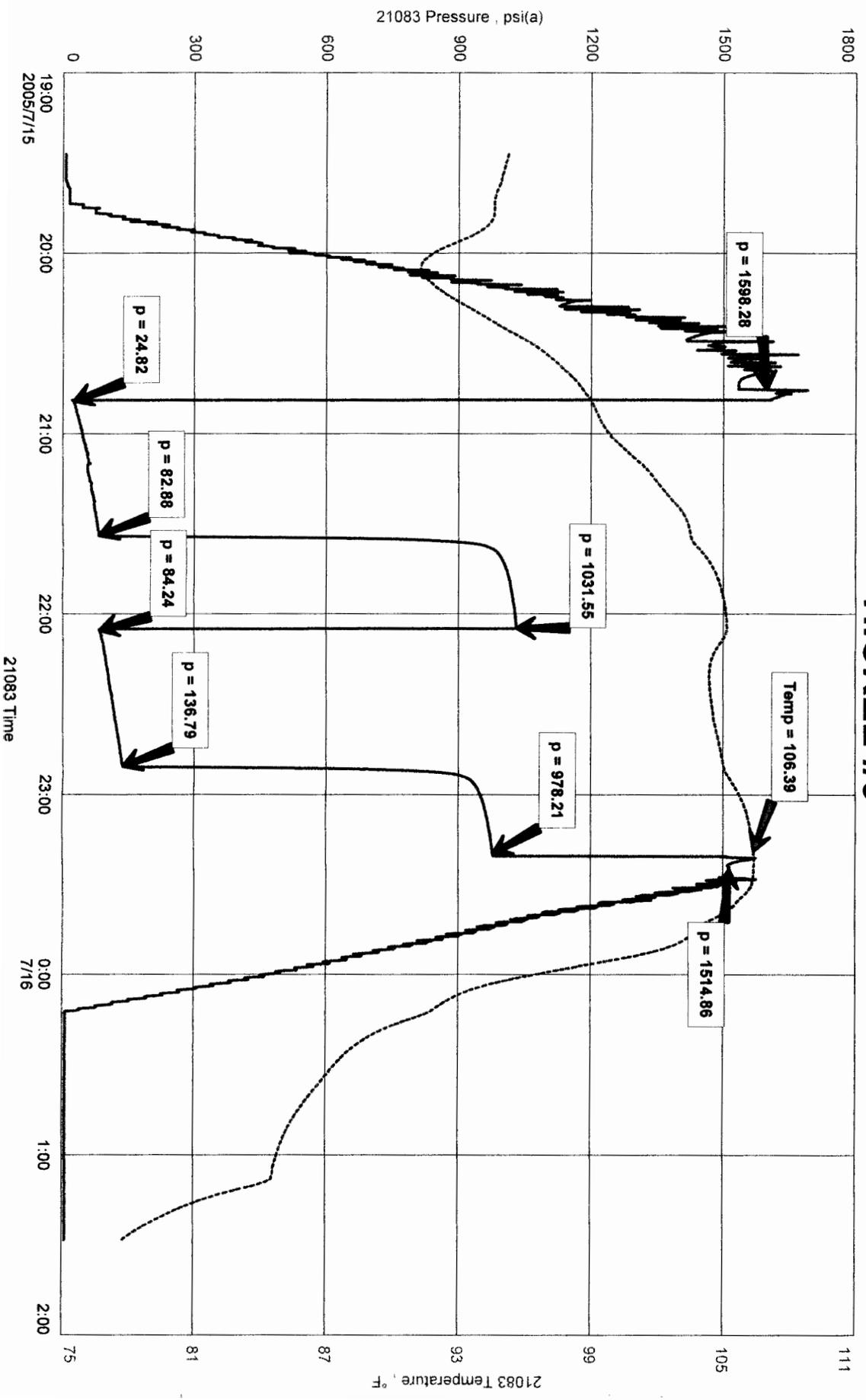
Remarks

Time Set Packer(s) 8:45 ~~XXX.~~ P.M. Time Started Off Bottom 11:15 ~~XXX.~~ P.M. Maximum Temperature 106°
Initial Hydrostatic Pressure (A) 1598 P.S.I.
Initial Flow Period Minutes 45 (B) 25 P.S.I. to (C) 83 P.S.I.
Initial Closed In Period Minutes 30 (D) 1032 P.S.I.
Final Flow Period Minutes 45 (E) 84 P.S.I. to (F) 137 P.S.I.
Final Closed In Period Minutes 30 (G) 978 P.S.I.
Final Hydrostatic Pressure (H) 1515 P.S.I.

L D DRILLING INC
DST #1 3235-3310
Start Test Date: 2005/07/15
Final Test Date: 2005/07/16

HICKEL #9

HICKEL #9
Formation: ARBUCKLE
Job Number: D112



HICKOL #9
L.V. DRICLIAX

EST #1

ROCKMAD
OUTSIDE
3307

