DATE 11-30-72

PERMIAN LOGGING COMPANY

SHEET NO. 21

WELL POWERS OPERATING CO., N.M. STATE 4-1

LOCATION HIDALGO COUNTY, NEW MEXICO

LS. SH. CHT. andesite C.-CIRC. OUT SPLS. 2.3 VOLT GAS - .....

DOLO. SS. ANHY. rhyolite C.-DEVIATION SURVEY 1.4 VOLT GAS - - - - -

C1 ——— C2 .... C3 ··· C4, 5 ·-·-·

PORO. ORLG. RATE-M/F WT. VIS. W.L. W.C. PH CHL.

G F T 0 10 20 30

12-1-72

MUD WT 9.2/
VIS 33.0
W.L 12.2
CL 400

DEPTH 3700

LITH.

FORMATION CHARACTERISTICS

SS CLR, CSE GRN QTZ CONGL.
CALC, HD,
SILTY VF CSE GRN

ANDESITE GY-GN MED GRAN

LGE BK GRAINS IN SC

ANDESITE LT GY-WH V CSE GRA
DK CARBON SEAM

SS LT GY VF-FG

RHYO LT GY VFG
SH (VOLCANIC ASH) LT GY

ANDESITE LT GY, LY GN SH GY VF-FG
AR BK RES TR LT BN-BN FX-DK LS

SS LT GY, VFG, HD

RHYO LT GN & BRNSH-GN & BN
TR LT GN DK GY SH

SH LT GY-BN LT BN TR DK BN
TO DK

RHYO SEC DK GY CARB TR DK BN
TO DK SH
SH BK TO DK BN
SH DK GY-GY TR FK RES

RHYO VY PALE GN

SH DK GY HD

3800

20

40

60

80

20

40

% OIL FLUO. 0 100

CUT T F G

CHROMATOGRAPHIC ANALYSIS 0 50 100

GAS FROM DRLG. FLUID 0 50 100