



ROCKY MOUNTAIN GEO-ENGINEERING CO.

WELL SITE GEOLOGY — MUD LOGGING

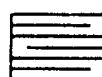
2450 INDUSTRIAL BLVD.

PHONE (303) 243-3044

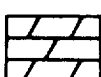
GRAND JUNCTION, CO 81505

RECEIVED
OCT 15 1990
OIL CON. DIV.
DIST. 3

COMPANY PHILLIPS PETROLEUM CO.	LOCATION 1115' FSL & 1135' FWL SEC 27 T32N R8W	DEPTH LOGGED FROM 3336' TO 3546
WELL SAN JUAN 32-8 #202	COUNTY SAN JUAN	DATE LOGGED 8/21/90 8/22/90
FIELD BASIN FRUITLAND	STATE NEW MEXICO	ENGINEERS JACK PALUGA
ELEVATION GR 6451' DF 6602'	DRILLING FLUID WATER	



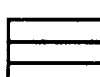
SHALE



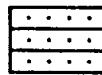
DOLOMITE



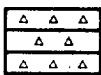
COAL



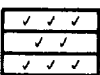
ANHY-GYP



SANDSTONE



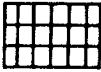
CHERT



SILTSTONE



LIMESTONE



SALT

DTG - DOWN TIME GAS

DST - DRILL STEM TEST

SLM - STEEL LINE MEAS.

LAT - LOGGED AFTER TRIP

WOB - WEIGHT ON BIT

RPM - REVOLUTIONS/MIN.

SPM - STROKES/MIN.

PP - PUMP PRESSURE

O - DEVIATION

TG - TRIP GAS

CG - CONNECTION GAS

NB - NEW BIT

NR - NO RETURNS

CO - CIRCULATE OUT

NS - NO SAMPLE

RR - RERUN

CB - CORE BIT

O SHOW REPORT

DRILLING RATE IN
MIN PER 2'

LITHOLOGY

OIL
SHOW

CHROMATOGRAPH HYDROCARBONS IN PPM

M = 1000 PPM

REMARKS

WT VIS WL CKE PH

RMEC FIELD UNIT 29
ON LOCATION 8/21/90 @ 1600
7" CASING SET @ 3336'
DRILLED WITH PRODUCED WATER

DZ CANISTERS

#155 3380-86
#141 3360-70
#187 3370-80
#188 3434-42
#192 3446-52
#196 3490-98
#229 3534-44COAL BEDS NET COAL
3352-54 26'
3364-70
3372-76
3436-40
3458-60
3492-94
3536-42SH m-ltgy slty m-hd plty
grdg to sltst
SLTST ltgy sdy m-hd pltyCOAL dkgy-blk dul arg m-hd
sbblky-blky
COAL blk bri-dul sl arg hd
bldg tr cltg blkyCOAL blk bri-dul sl arg
hd vp-tr cltg bldg
blkySS m-ltgy sl transl
m srt'd f-vf grn m cmt
slty-sl carb mtx sbang
SH dkgy-blk slty carb frm
blky-sbblky
SS ltgy-wh-clr transl frst
f grn w srt'd w cmt rnd
sbrnd slty mtxSS wh-ltgy frst transl
f-m grn m-w srt'd m-w
cmt slty mtx sbrndSH dkgy-blk carb m-hd slty
sbblkyCOAL blk dul-bri arg hd
tr bldg tr cltgSS m-ltbrn sl transl m-p
srt'd f-m grn m cmt
sbrnd slty-carb mtxCOAL blk-dkgy dul arg m-hd
tr bldg sbblkySLTST m-ltgy m-hd sdy plty
grdg to slty ssSS m-ltgy sl transl f-vf
grn m srt'd m cmt slty
mtx sbrndSS m-ltgy-wh sl frst transl
f grn m srt'd m-w cmt
sbang slty mtx grdg to
sdy sltstCOAL blk-dkgy dul arg hd
tr bldg sbblkySH dkgy v carb slty sbblky
SS ltgy slty mtx f-vf grn
p srt'd w cmt sbangSLTST ltgy-ltbrn sdy hd
plty grdg to ssSS ltgy-wh-clr frst transl
f-vf grn w-m srt'd w cmt
sbrnd sl slty mtxSH dkgy-dkbrn slty carb hd
sbblky grdg to sltst ipCOAL blk-dkgy-dkbrn arg
bri-dul m-hd p bldg
tr cltg sbblky-blky
interbd with ssUNIT RELEASED 8/22/90
@ 0730

