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MAR 13 1991
OIL CON. DIV.
DIST. 3

ROCKY MOUNTAIN GEO-ENGINEERING CO.

WELL SITE GEOLOGY — MUD LOGGING

2450 INDUSTRIAL BLVD. PHONE (303) 243-3044 GRAND JUNCTION, CO 81505

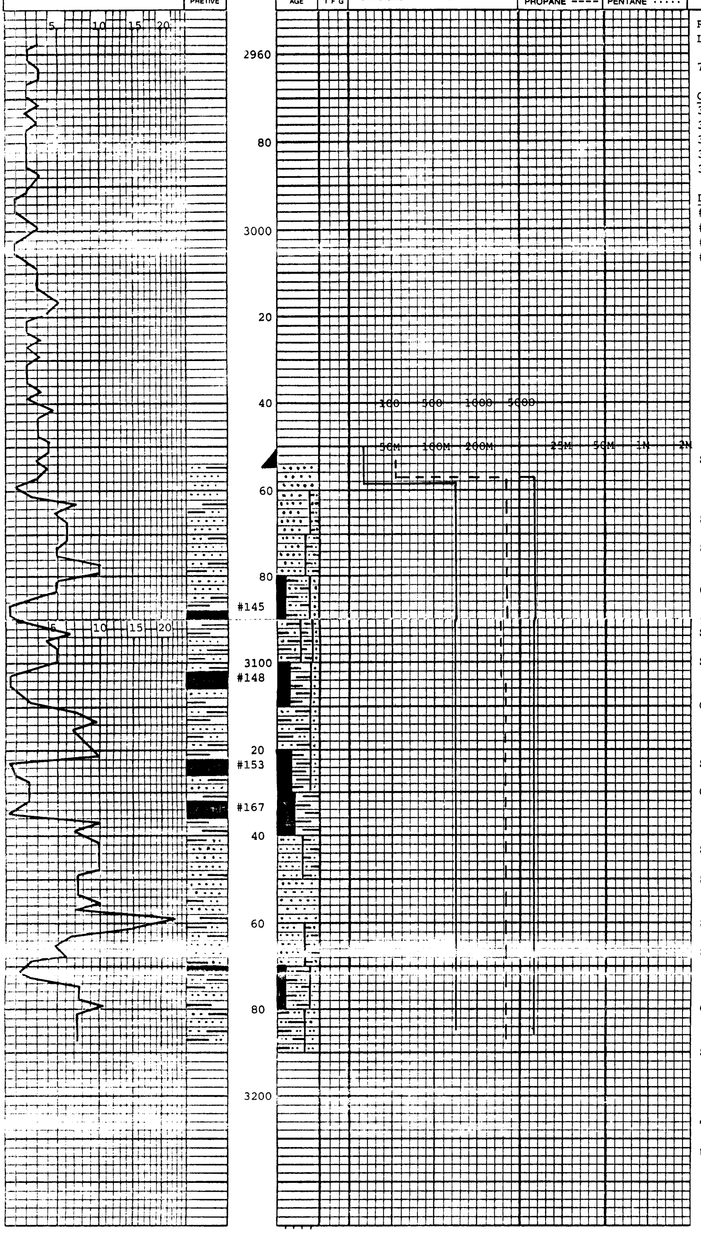
COMPANY	PHILLIPS PETROLEUM CO.	LOCATION	1425' FSL & 1112' FWL SEC 17 T30N R5W
WELL	SAN JUAN 30-5 # 224	COUNTY	RIO ARRIBA
FIELD	BASIN FRUITLAND	STATE	NEW MEXICO
ELEVATION	GR 6379' DF 6390'	DRILLING FLUID	WATER

	FROM	TO
DEPTH LOGGED	3055'	3188'
DATE LOGGED	2/11/91	2/11/91

ENGINEERS JACK PALUGA

SHALE, SANDSTONE, LIMESTONE, DOLOMITE, CHERT, SALT, COAL, ANHY-GYP, SILTSTONE

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



REMARKS

WT VIS WL CKE PH

RMGC FIELD UNIT #12 ON LOCATION 2/11/91 @ 0600

7" CASING SET @ 3055'

COAL BEDS	NET COAL
3088-90	
3102-06	16'
3122-26	
3132-36	
3170-72	

DESORPTION CANNISTERS
#148 3102-08
#153 3122-30
#167 3130-40
#145 3086-90

SS ltgy-wh- clr frst-transl m dns fri sl slty mtx f-vf grn m-w srtd m cmt sbrnd ip tr flour
SH ltgy sl slty plty hd grdg to sltst ip
SS lt-mgy dns slty mtx f-vf grn m srtd m cmt sbang grdg to sltst
COAL blk-dkgy dul rthy-arg tr bldg tr clt sbblky

SLTST dkgy-dkbrn sdy carb hd plty grdg to sh ip
SS m-dkgy dns slty-carb-sooty mtx f grn m srtd m cmt sbrnd ip
COAL blk-dkgy dul-bri scat conch frac bnd sl arg to rthy ip m-p bldg f-p clt sbblky
SLTST dkgy-dkbrn sdy carb grdg to ss m-dkbrn
COAL blk-dkgy dul-bri rthy-arg ip bnd occ conch frac f-p bldg f-p clt sbblky interbd with ss
SH dkgy-blk-occ dkbrn slty sbblky-plty grdg to sltst
SS lt-m gy dns slty mtx f-vf grn m srtd m cmt sbang ip grdg to sltst
SH m-dkgy slty sl carb plty hd
SS m-dkgy dns slty mtx sl carb f-vf grn m-p srtd m cmt sbang ip grdg to sltst
COAL blk-dkgy dul rthy-arg occ-tr bldg tr clt sbblky
SLTST dkgy-dkbrn carb sdy hd plty grdg to ss ip slty mtx f-vf grn p srtd m cmt sbang

TD 3188'

UNIT RELEASED 2/11/91 @ 1530

DIRECT 3
OR CON DIA
RECEIVED