ROCKY MOUNTAIN GEO-ENGINEERING CO.

WELL SITE GEOLOGY — MUD LOGGING

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

RECEIVED
JAN 1 5 1991
OIL CON. DIV.
DIST. 3

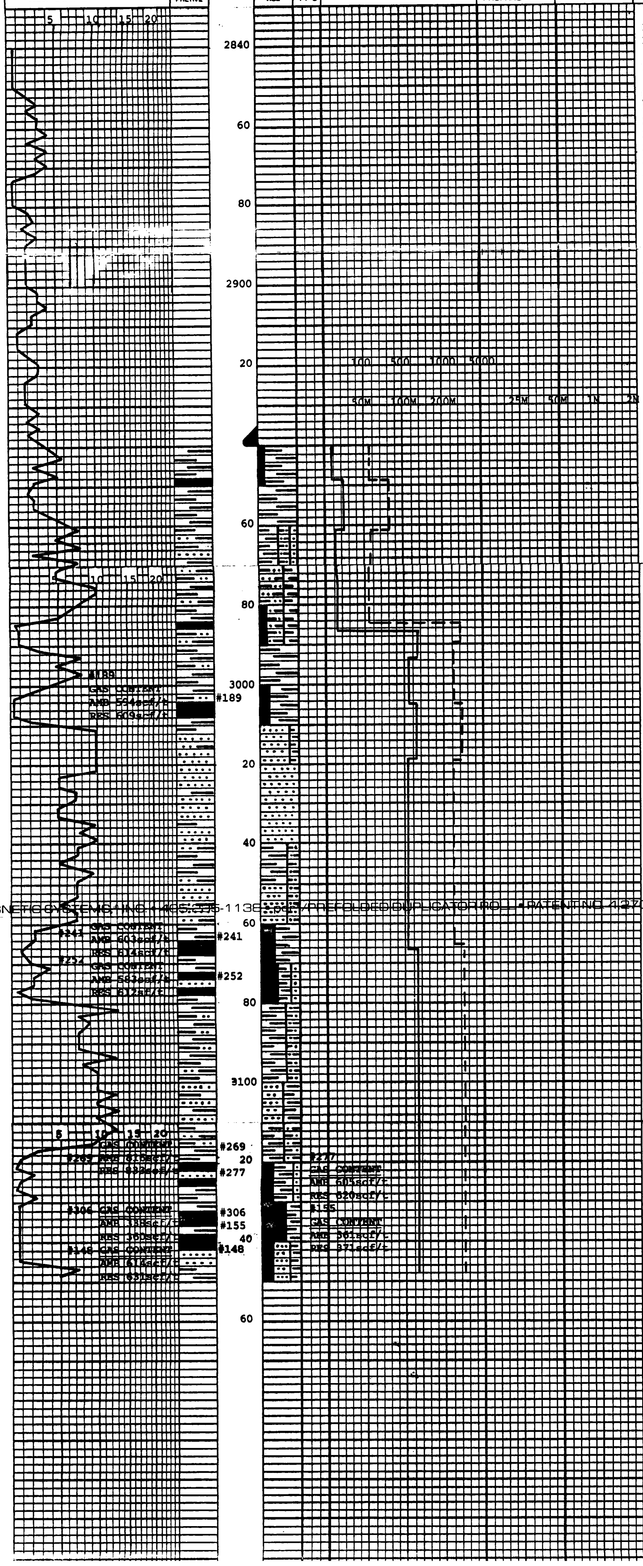
COMPANY	PHILLIPS PETROLEUM CO.	LOCATION	1255' FSL & 888' FWL SEC [redacted]
WELL	[redacted]	COUNTY	SAN JUAN
FIELD	BASIN FRUITLAN	STATE	NEW MEXICO
ELEVATION	GR 6254' DF 6265'	DRILLING FLUID	WATER

	FROM	TO
DEPTH LOGGED	2940'	3150'
DATE LOGGED	11/11/90	11/12/90

ENGINEERS: JACK PALUGA

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



RMEC FIELD UNIT #12 ON LOCATION 11/11/90 @ 1000

7" CASING SET @ 2940'

COAL BEDS	NET COAL
2948-50	
2984-86	28'
3004-08	
3064-68	
3072-74	
3076-78	
3120-22	
3124-26	
3132-36	
3138-40	
3140-42	

DESORPTION CANISTER
#189 3002-10
#241 3060-68
#252 3075-80
#269 3118-24
#277 3124-30
#306 3130-36
#155 3136-41
#148 3141-46

SH dkgy-blk-dkbrn slty carb hd plty
COAL blk-dkbrn-dkgy arg dul hd plty-sbblky interbd with sh
SH dkgy-blk slty carb sooty m-hd plty grdg to sltst ip

SLTST gy-dkgy sl sdy sl sooty carb frm-m-hd plty grdg to ss ip
SH dkgy slty carb hd plty
COAL blk-dkgy dul arg m-hd plty-sbblky tr bldg
SH dkgy-blk slty carb hd plty-sbblky grdg to sltst

COAL blky-dkgy dul-sl bri sl arg bnd tr conch frac tr bldg sbblky
SS dk-mgy dns slty mtx f grn m srtd w cmt sbang grdg to sltst ip
SS ltgy-wh-clr frst transl sl slty mtx f-vf grn m srtd m cmt sbang-sbrnd grdg to sltst ip

SH dkgy-blk slty carb plty grdg to sltst ip

SS mgy dns slty mtx f grn m srtd m cmt sbang grdg to sltst ip sdy
SH dkgy-blk slty carb hd plty
COAL blk-dkbrn dul-sl bri arg bnd sbblky tr bldg tr clt
COAL blk sl bri-dul bnd arg ip tr conch frac vp bldg vp-tr clt sbblky-blky
SH dkgy-blk carb hd plty
SLTST dkgy sdy carb sl sooty hd plty
SS mgy dns slty mtx f grn m srtd w cmt sbrnd grdg to sltst ip sdy

SH dkgy-dkbrn slty carb hd plty grag to sltst ip

COAL blk-dkgy dul-bri hd arg ip bnd ip tr conch frac tr bldg tr clt sbblky interbd with sh dkgy-dkbrn slty-sooty
COAL blk-dkgy dul arg ip bnd hd sbblky tr bldg interbd with ss dkbrn slty-carb-sooty mtx f grn p srtd m cmt sbrnd

UNIT RELEASED 11/12/90 @ 1500

AL MAGNETIC OVERSHOTS 1-(505)325-1136 SPARE BLOWOUT PREVENTORS - PATENTED 4,227,911 DIGITAL MAGNETIC SYSTI