



ROCKY MOUNTAIN GEO-ENGINEERING CO.

WELL SITE GEOLOGY - MUD LOGGING
2450 INDUSTRIAL BLVD. PHONE (303) 243-3044 GRAND JUNCTION, CO 81505

RECEIVED
NOV 20 1990
OIL CON. DIV.
DIST. 3

COMPANY PHILLIPS PETROLEUM CO.	LOCATION 1885' FNL & 1604' FEL SEC 23 T31N R8W	DEPTH LOGGED FROM 10/7/90 TO 10/7/90
WELL SAN JUAN 32-8 #237	COUNTY SAN JUAN	DATE LOGGED 3107' 3361'
FIELD BASIN FRUITLAND	STATE NEW MEXICO	ENGINEERS JACK PALUGA
ELEVATION GR 6472 DF 6483	DRILLING FLUID PRODUCED WATER	

SHALE	DOLOMITE	COAL		DTG - DOWN TIME GAS	TG - TRIP GAS
SANDSTONE	CHERT	ANHY-GYP		DST - DRILL STEM TEST	CG - CONNECTION GAS
LIMESTONE	SALT	SILTSTONE		SLM - STEEL LINE MEAS.	NB - NEW BIT
				LAT - LOGGED AFTER TRIP	NR - NO RETURNS
				WOB - WEIGHT ON BIT	CO - CIRCULATE OUT
				RPM - REVOLUTIONS/MIN.	NS - NO SAMPLE
				SPM - STROKES/MIN.	RR - RERUN
				PP - PUMP PRESSURE	CB - CORE BIT
				O - DEVIATION	Q - SHOW REPORT

DRILLING RATE IN MIN PER 2'	LITHOLOGY INTER- PRETIVE	DEPTH	PERCENT- AGE	OIL SHOW T F G	CHROMATOGRAPH HYDROCARBONS IN PPM TOTAL GAS --- METHANE --- ETHANE --- PROPANE --- BUTANE --- PENTANE ---	M = 1000 PPM	REMARKS WT VIS WL CKE PH
5 10 15 20		3020					RMEC FIELD UNIT #29 ON LOCATION 10/7/90 @ 0600
							7" CASING SET @ 3107'
		40					COAL BEDS NET COAL 3114-16 52'
							3122-24
							3132-34
							3184-86
							3208-10
							3216-22
							3242-46
							3250-52
							3286-90
							3292-98
							3304-06
		80					DESORPTION CANISTER #80 3214-24 #89 3244-52 #338 3288-94 #343 3294-3306 #349 3338-60
		3100					SLTST lt-mgy sdy sl carb hd plty SH dkgy slty carb hd plty COAL blk-dkgy dul arg m-hd plty-sbblky COAL dkgy-blk-dkbrn arg dul sbblky grdg to sh carb SH dkgy-dkbrn carb slty hd sbblky COAL blk dul arg hd bbbky SH dkgy-dkbrn carb slty hd plty SS lt-mgy f-vf grn m srted
		20					m cmt slty mtx sbrnd SLTST dk-mgy carb sdy hd plty grdg to ss slty SS lt-mbrn f-vf grn m srted m cmt slty-carb-sooty mtx sbang SS lt-mgy f-vf grn m-p srted m cmt sbang slty mtx grdg to sltst ip SLTST brn carb sdy plty COAL blk-dkbrn dul arg hd sbblky interbd with sltst dkbrn sdy carb plty
		40					SLTST lt-mbrn carb sdy hd plty grdg to ss ip SH dkgy-dkbrn carb slty plty COAL dkgy-blk dul arg hd sbblky-blky tr bldg SH dkgy-blk carb slty plty COAL blk-dkgy sl bri sl arg sbblky-blky tr bldg vp cilty interbd with ss lt-mbrn-clr frst sl transl f grn m srted m-p cmt slty- carb-sooty mtx sbrnd COAL blk-dkgy sl bri-dul sl arg hd f-p bldg tr cilt sbblky
		60					SH dkgy-dkbrn carb slty hd plty-sbblky SS lt-mgy sl transl f grn m srted w cmt slty mtx sbrnd grdg to sltst ip SLTST lt-mgy sdy sl carb hd plty SH dkgy-blk carb slty hd plty COAL blk dul-bri sl arg hd
		80					blky f-p bldg vp cilt COAL blk bri sl arg hd blky f-p bldg vp cilt SH dkgy-blk carb slty hd sbblky COAL blk dul-bri sl arg hd sbblky tr bldg SLTST lt-mgy sdy sl carb plty hd SS lt-mbrn f-vf grn m srted m cmt slty-carb-sooty mtx sbrnd
		3200					COAL blk bri-sl dul sl arg hd blky f bldg f-p cilt SH dkgy-dkbrn carb slty hd plty-sbblky COAL blk bri sl arg hd f-p bldg f-p cilt blky-sbblky SH dkgy-dkbrn slty carb hd plty-sbblky grdg to sltst
		20					TD 3361
		40					UNIT RELEASED 10/7/90 @ 2355
		3300					
		3340					
		3360					