ROCKY MOUNTAIN GEO-ENGINEERING CO.

WELL SITE GEOLOGY - MUD LOGGING

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

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

COMPANY	PHILLIPS PETROLEUM CO	LOCATION	1956' FSL & 1162' FWL SEC 32 T31N R6W
WELL	SAN JUAN 31-6 #223	COUNTY	RIO ARRIBA
FIELD	BASIN FRUITLAND	STATE	NEW MEXICO
ELEVATION	GR 6311' DF 6324'	DRILLING FLUID	WATER

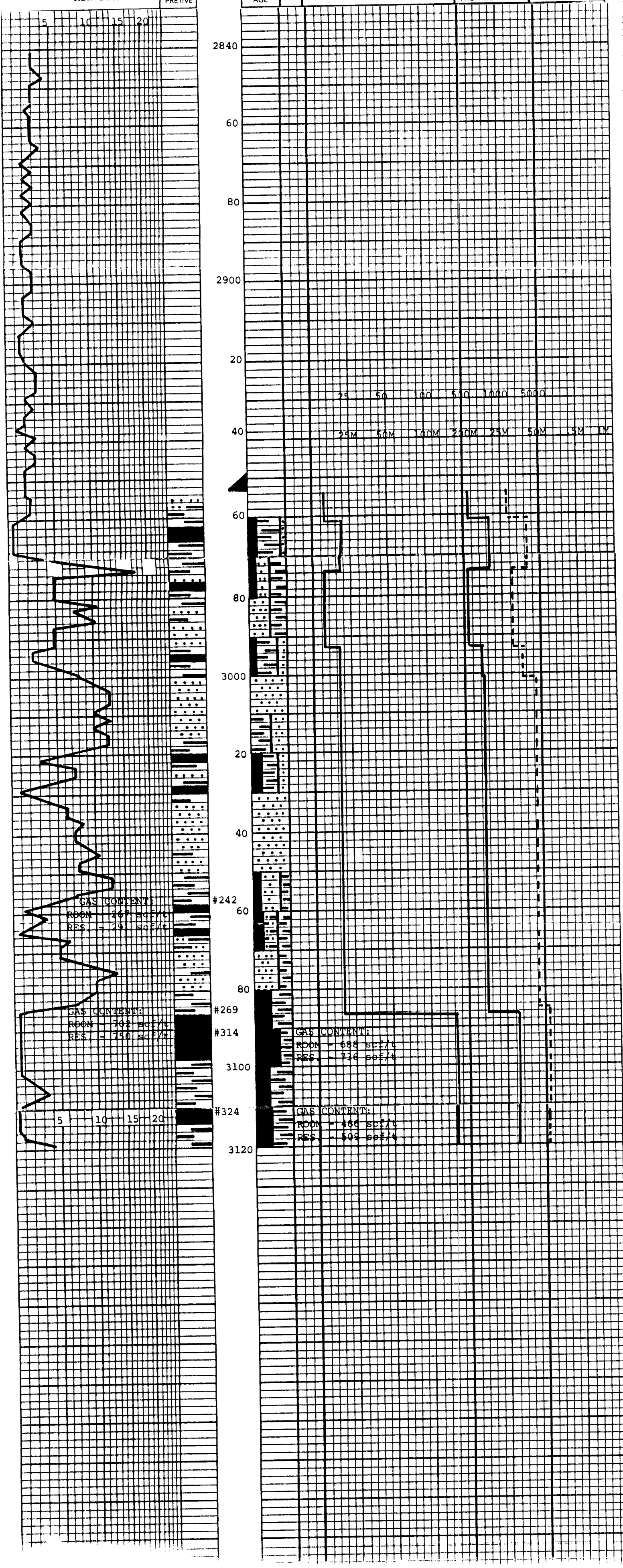
	FROM	TO
DEPTH LOGGED	2953'	3120'
DATE LOGGED	6/30/90	7/1/90

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



REMARKS

WT VIS WL CKE PH

RMEC FIELD UNIT #29 ON LOCATION 6/30/90 @ 1330

7" CASING @ 2953'

COAL BEDS	NET COAL
2962-66	32'
2976-78	
2994-96	
3020-22	
3028-30	
3058-60	
3064-66	
3086-98	
3110-14	

DZ CANISTER

#242	3058-3066
#269	3086-3092
#314	3092-3096
#321	3110-3118

SLTST ltgy sny plty grdg to sh slty-sny
COAL blk dul plty
SH dkgy carb slty plty frm

SH dk-mgy slty plty m-hd carb
COAL blk dul plty-blky

SS lt-mgy transl fri slty carb ip m srtd m cmt m-f grn sbrnd grdg to sltst
COAL blk dul sbblky tr bledg gas
SH dkgy-dkbrn carb slty plty

SS ltgy-wh transl sl slty f-m grn m cmt fri-mod hd m srtd rnd-sbrnd
SH dkgy-blk carb slty plty
COAL blk dul sbblky tr bledg gas

SS ltgy-wh transl slty m-hd m srtd m cmt m-f grn rnd

SH dkgy-dkbrn slty carb m-hd plty-blky

COAL blk dul-brit tr bledg gas vp clet

SS lt-mbrn transl slty sl carb m-f grn m cmt m-p srtd sbrnd grdg to sltst ip
SH dkgy-dkbrn slty carb plty-blky m-hd

COAL blk brit bledg gas vp-p clet blky
SH mbrn-mgy slty-sny carb plty m-hd

COAL blk brit-dul blky-plty bledg gas tr clet
SH dkgy-dkbrn carb slty m-hd plty

TD 3120

UNIT TELEASED 7/1/90 @ 0215

INC. • 405 235 1138 • pdr /PREFOLDED DUPLICATOR ROLL • PATENT NO. 4,270,611 •