ROCKY MOUNTAIN GEO-ENGINEERING CO.

WELL SITE GEOLOGY — MUD LOGGING

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

RECEIVED MAY 15 1991 OIL CON. DIV DIST. 3

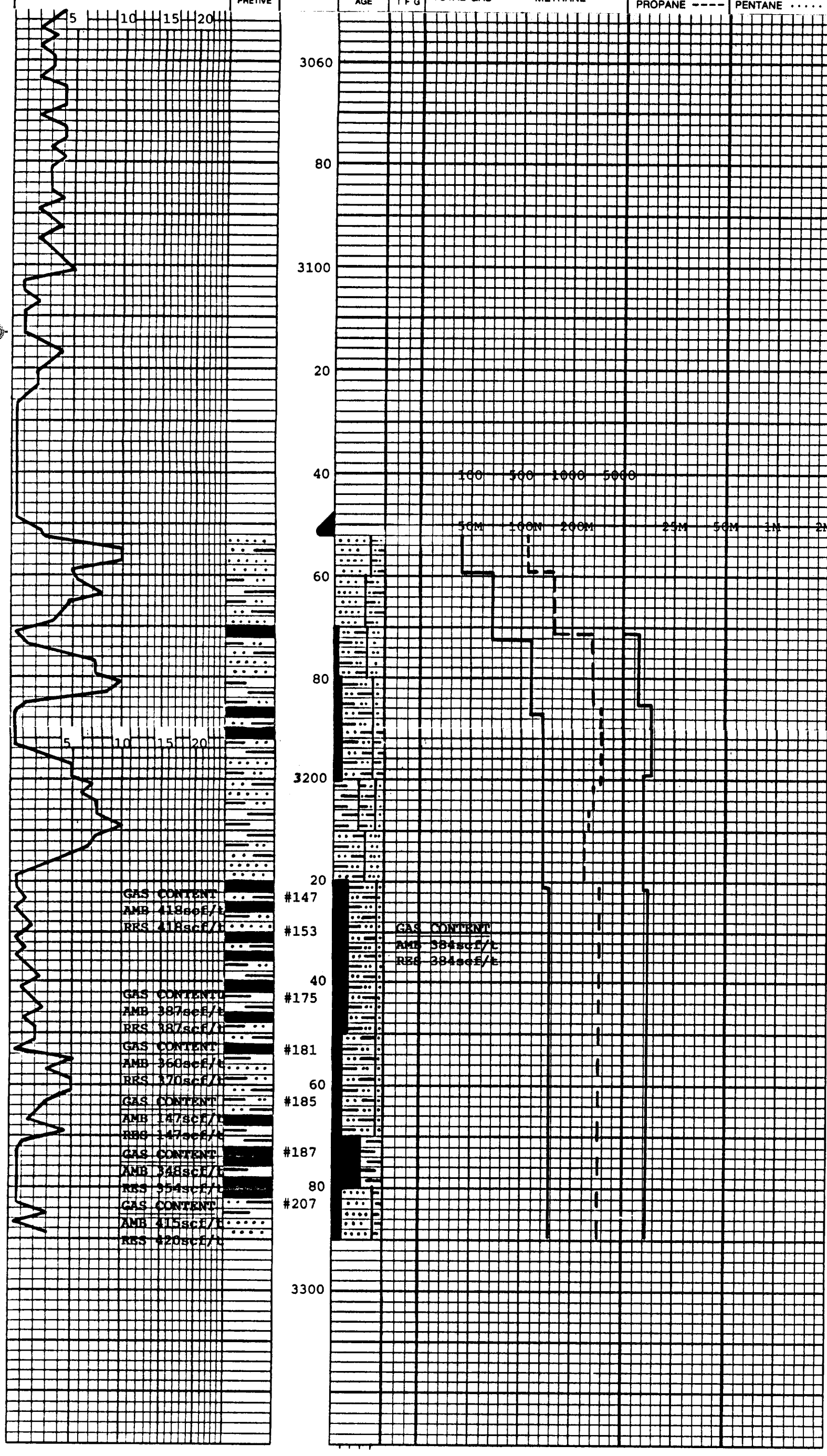
COMPANY	PHILLIPS PETROLEUM CO	LOCATION	1670' FSL & 1433' FWL SEC 21 T29N R6W
WELL	SAN JUAN 29-6 #205	COUNTY	RIO ARRIBA
FIELD	BASIN FRUITLAND	STATE	NEW MEXICO
ELEVATION	GR 6407' DF 6418'	DRILLING FLUID	PRODUCED WATER

	FROM	TO
DEPTH LOGGED	3152'	3290'
DATE LOGGED	3/21/91	3/21/91
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

RMGC FIELD UNIT #12 ON LOCATION 3/21/91

7" CASING SET @ 3152'

COAL BEDS	NET COAL
3170-72	
3186-88	30'
3190-92	
3220-22	
3224-26	
3230-32	
3234-36	
3240-42	
3246-48	
3252-54	
3266-68	
3272-76	
3278-82	

DESORPTION CANISTERS
#147 3220-30
#153 3230-40
#175 3240-50
#181 3250-60
#185 3260-70
#207 3280-90

SS lt-mgy dns slty mtx f-vf grn m-p srtd m-w cmt sbang-sbrnd
SLTST dkgy sdy hd plty
SLTST dk-mbrn sdy sl carb hd plty grdg to sh
COAL dkgy-blk-occ dkbrn dul rhty-arg high ash cont tr bldg no vis clt plty-sbblky with sltst grdg to sh slty carb m hd plty-sbblky
COAL blk-dkgy dul rhty-arg m-hd plty-sbblky no vis bldg no vis clt
SLTST dkgy-dkbrn sdy carb m hd plty grdg to ss slty mtx f-vf grn
SH dkgy-blk carb slty m hd plty-sbblky
SLTST dkbrn v sdy grdg to slty ss dkbrn carb mtx
COAL dkgy-blk-occ dkbrn dul rhty-arg bnd ip m-dh plty-sbblky no vis bldg no vis clt
COAL blk-dkgy-occ dkbrn dul-occ bri rthy-arg ip tr bnd occ conch frac tr bldg tr clt sbblky-occ plty
SLTST dkbrn-dkgy sdy carb frm plty grdg to ss brn occ frst-transl slty-sl carb mtx f-m grn m-p srtd m cmt sbrnd
COAL blk-dkgy bri-dul sl arg bnd ip scat conch frac m-f bldg f-p clt sbblky
SS m-dkbrn frst-transl ip m dns slty-carb mtx f-m grn m-p srtd m cmt sbrnd

TD 3290'

UNIT RELEASED 3/21/91 @ 1900

MAGNETIC SYSTEMS,® INC. • 405-235-1138 • pdr®/PREFOLDED DUPLICATOR ROLL • PATENT NO. 4,270,911 • DIGITAL MAGNETIC SYSTEMS