ROCKY MOUNTAIN GEO-ENGINEERING CO.

WELL SITE GEOLOGY - MUD LOGGING

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

RECEIVED DEC 04 1989 FROM OIL CON. DIV. DIST. 3

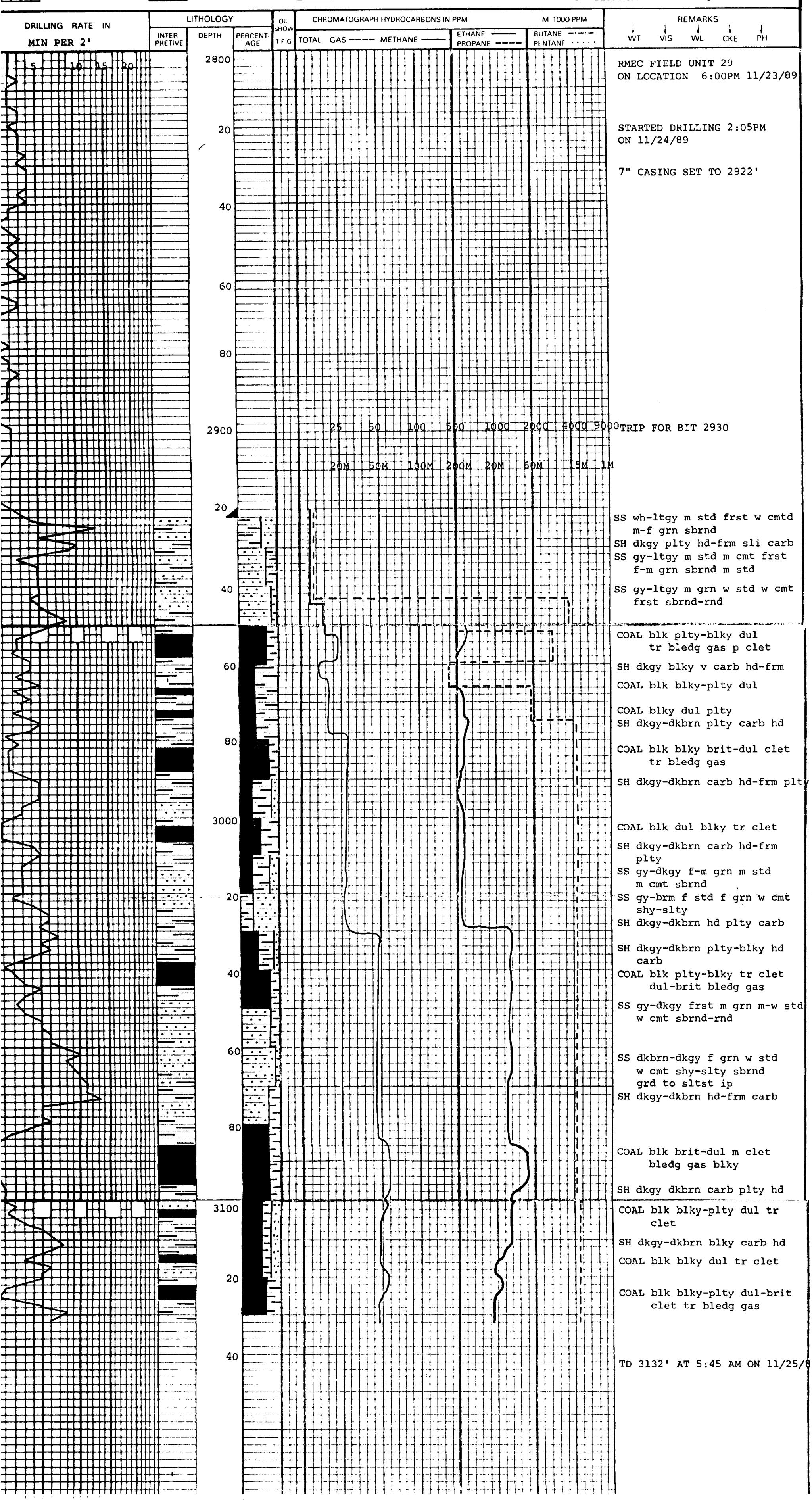
COMPANY NORTHWEST PIPELINE CORP.
WELL SAN JUAN 32-7 #202
FIELD BASIN FRUITLAND
ELEVATION 6400' GR 6410' DF

LOCATION 1070 FSL & 1830 FWL SEC 18 T32N R7W
COUNTY SAN JUAN
STATE NEW MEXICO
DRILLING FLUID WATER

DEPTH LOGGED 2922' 3132'
DATE LOGGED 11/23/89 11/25/89
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 29
ON LOCATION 6:00PM 11/23/89

STARTED DRILLING 2:05PM
ON 11/24/89

7" CASING SET TO 2922'

TRIP FOR BIT 2930

SS wh-ltgy m std frst w cmtd m-f grn sbrnd
SH dkgy plty hd-frm sli carb
SS gy-ltgy m std m cmt frst f-m grn sbrnd m std
SS gy-ltgy m grn w std w cmt frst sbrnd-rnd

COAL blk plty-blky dul tr bledg gas p clet
SH dkgy blky v carb hd-frm
COAL blk blky-plty dul
COAL blky dul plty
SH dkgy-dkbrn plty carb hd
COAL blk blky brit-dul clet tr bledg gas
SH dkgy-dkbrn carb hd-frm plty
COAL blk dul blky tr clet
SH dkgy-dkbrn carb hd-frm plty
SS gy-dkgy f-m grn m std m cmt sbrnd
SS gy-brm f std f grn w cmt shy-slty
SH dkgy-dkbrn hd plty carb
SH dkgy-dkbrn plty-blky hd carb
COAL blk plty-blky tr clet dul-brit bledg gas
SS gy-dkgy frst m grn m-w std w cmt sbrnd-rnd
SS dkbrn-dkgy f grn w std w cmt shy-slty sbrnd grd to sltst ip
SH dkgy-dkbrn hd-frm carb
COAL blk brit-dul m clet bledg gas blky
SH dkgy dkbrn carb plty hd
COAL blk blky-plty dul tr clet
SH dkgy-dkbrn blky carb hd
COAL blk blky dul tr clet
COAL blk blky-plty dul-brit clet tr bledg gas

TD 3132' AT 5:45 AM ON 11/25/8