

BENCH MARK GEOLOGICAL SERVICES

HYDROCARBON WELL LOG

ABBREVIATIONS

CO — Circulate Out
CG — Connection Gas
CB — Core Bit
DC — Depth Correction
DS — Directional Survey
DST — Drill Stem Test
DTG — Down Time Gas
FC — Filter Cake
LAT — Logged After Trip
NB — New Bit
NDR — No Data Recorded
NR — No Returns
PP — Pump Pressure
RPM — Rotary Speed
SPM — Pump Strokes
TG — Trip Gas
TGR — Trip Gas Recycle
Vis — Viscosity
W — Water Loss
WOB — Weight on Bit
Wt — Density Of Drill Fluid

LITHOLOGY MODIFIERS

// — Anhydritic
B — Bentonitic
L — Calcareous
■ — Carbonaceous, Coaly
L — Dolomitic
F — Fossiliferous
~ — Glauconitic
♦ — Oolitic
P — Pyritic
A — Siliceous

OPERATOR Blackwood and Nichols

WELL NE Blanco Unit 467

LOCATION sec 12 T30N R8W

ELEVATION KB 6341 ft. GL 6326 ft.

INTERVAL LOGGED 3007 - 3238

LOGGING GEOLOGISTS Randy Laney, Danny Wyckoff

INSTRUMENTATION FID chromatograph and total gas detector

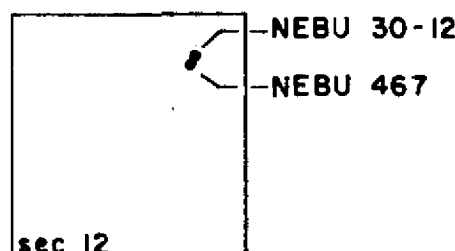
WELL LOCATION

FIELD

CO./STATE San Juan Co., New Mexico

SPUD DATE

DATE LOGGED 9/14 - 9/15/89



LEGEND—GAS CURVES

TOTAL GAS 1
METHANE 2
ETHANE 3
PROPANE 4
ISO & N-BUTANE 5
OIL INDICATOR $\frac{C_2 + C_3}{C_1}$ 6

HYDROCARBON ANALYSIS

TOTAL GAS			Reported in Units	
10	100	1000	10	100
GAS CHROMATOGRAPHY			Reported in PPM	
100	1000	10000	100	1000
OIL INDICATOR			Dimension Less	
0.01	0.1	1.0	0.01	0.1

RATE OF PENETRATION

Min./Ft.

DEPTH

FEET

LITHOLOGY OBSERVED

%

Visual Show

GFPT

Lithology Interpret

Lithology Descriptions and Remarks

