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DIST. 3

BENCH MARK GEOLOGICAL SERVICES

HYDROCARBON WELL LOG

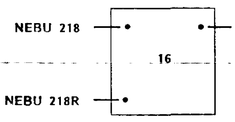
ABBREVIATIONS

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
Wl — Water Loss
WOB — Weight on Bit
Wt — Density Of Drill Fluid

LITHOLOGY MODIFIERS

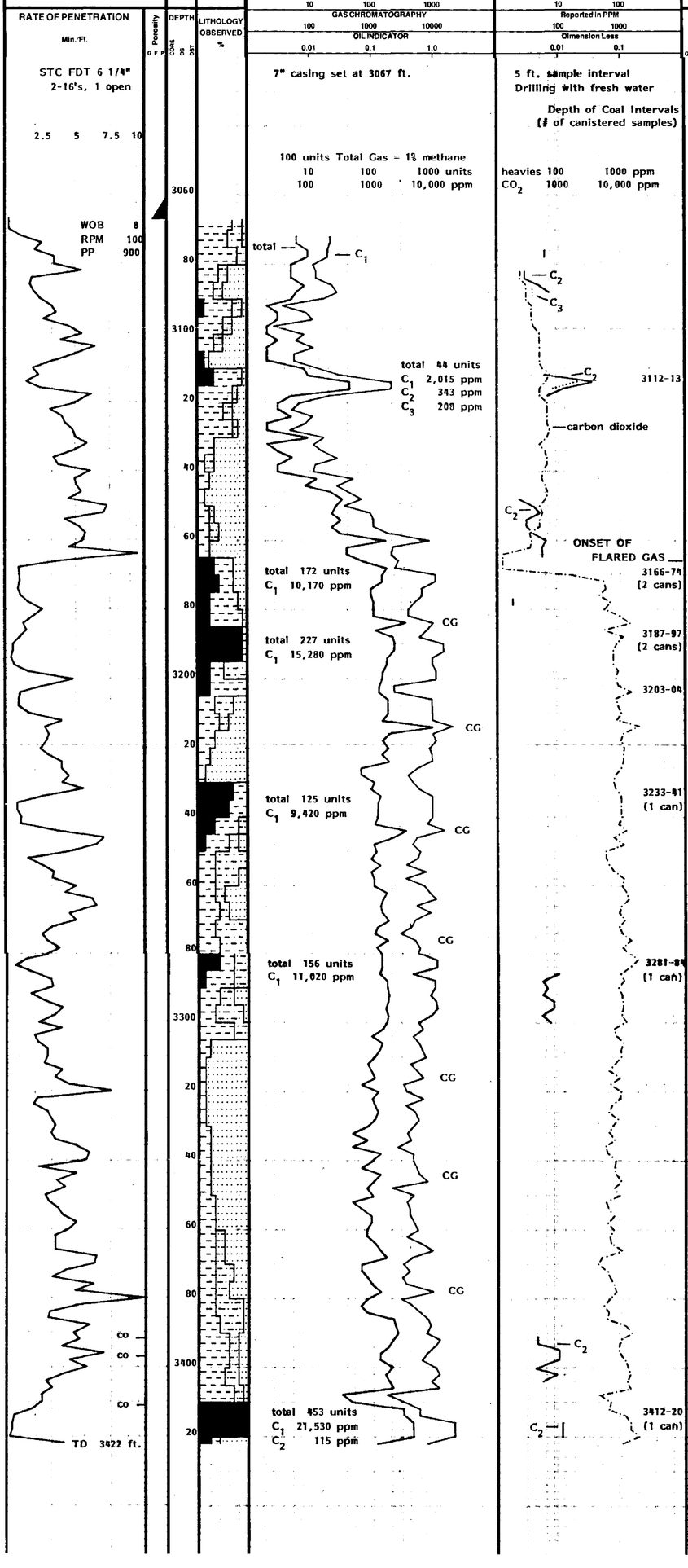
// — Anhydritic
B — Bentonitic
⊥ — Calcareous
■ — Carbonaceous, Coaly
⊿ — Dolomitic
F — Fossiliferous
∿ — Glauconitic
ϕ — Oolitic
P — Pyritic
Λ — Siliceous

OPERATOR: BLACKWOOD AND NICHOLS
WELL: NE Blanco Unit 484
FIELD: Basin Fruitland Coal
LOCATION: sec 16 [redacted]
CO/STATE: San Juan Co., New Mexico
ELEVATION KB: 6580 ft. GL: 6526 ft.
SPUD DATE:
INTERVAL LOGGED: 3067 - 3422 ft.
DATE LOGGED: 4/4 thru 4/5/90
LOGGING GEOLOGISTS: Randy Laney, Mike Mixter
INSTRUMENTATION: FID Chromatograph and Total Gas Detector, Infrared CO_2 Detector
WELL LOCATION



LEGEND — GAS CURVES

TOTAL GAS	T
METHANE	1
ETHANE	2
PROPANE	3
ISO & N-BUTANE	4
OIL INDICATOR $\frac{C_3+C_4}{C_1}$	0

HYDROCARBON ANALYSIS

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