

RECEIVED

OCT 25 1990

OIL CON. DIV./
DIST. 3BENCH MARK
GEOLOGICAL SERVICESHYDROCARBON
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
◇ — Oolitic
P — Pyritic
Λ — Siliceous

OPERATOR BLACKWOOD AND NICHOLS

WELL NE Blanco Unit 424

FIELD Basin Fruitland Coal

LOCATION sec. 4 T30N R7W

CO./STATE San Juan Co., New Mexico

ELEVATION KB 6154 ft. GL 6140' (ungrd)

SPUD DATE

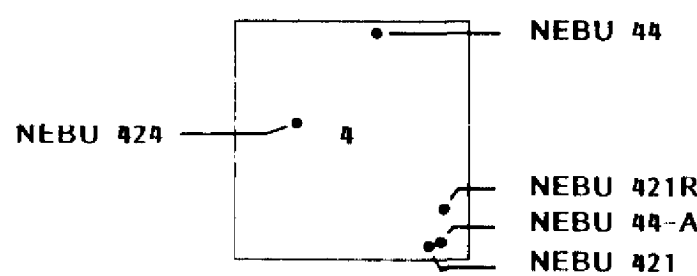
INTERVAL LOGGED 2736 - 3030 ft.

DATE LOGGED 8/10 thru 8/11/90

LOGGING GEOLOGISTS Randy Laney, Mike Mixer

INSTRUMENTATION FID Chromatograph and Total Gas Detector, Infrared CO₂ Detector

WELL LOCATION



LEGEND — GAS CURVES

TOTAL GAS	1
METHANE	1
ETHANE	2
PROPANE	3
ISO & N-BUTANE	4
OIL INDICATOR $\frac{C_2 + C_3}{C_1}$	0

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.

STC FDTL 6 1/4"
3-20's

2.5 5 7.5 10

WOB 8-10
RPM 90
PP 600

TD 3030 ft.

DEPTH

Cone
Penetrometer

DS

60

80

2800

20

40

60

80

2900

20

40

60

80

3000

20

40

60

80

3030

40

LITHOLOGY OBSERVED

%

cmt

CG

C₁C₂C₃IC₄NC₄C₁C₂C₃