

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
 C — Calcareous
 CC — Carbonaceous, Coaly
 D — Dolomitic
 F — Fossiliferous
 G — Gelaconitic
 O — Oolitic
 P — Pyritic
 S — Siliceous

BENCH MARK
GEOLOGICAL SERVICESHYDROCARBON
WELL LOG

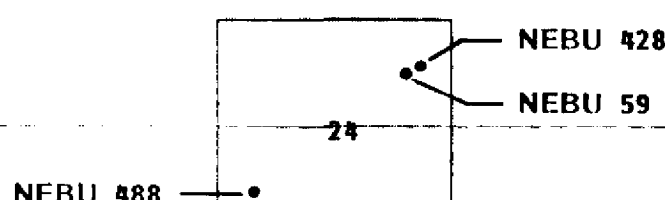
MAR 4 1991
 OIL CON. DIV.
 DIST. 3

OPERATOR BLACKWOOD AND NICHOLSWELL NE Blanco Unit 488FIELD Basin Fruitland CoalLOCATION sec 24 T31N R7WCO/STATE San Juan Co., New MexicoELEVATION KB 6465 ft GL 6451' (ungrd)

SPUD DATE

INTERVAL LOGGED 3020 - 3345 ft.DATE LOGGED 10/13 thru 10/14/90LOGGING GEOLOGISTS Randy Laney, Mike MixterINSTRUMENTATION FID Chromatograph and Total Gas Detector, Infrared CO₂ Detector

WELL LOCATION



LEGEND—GAS CURVES

TOTAL GAS	T
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
 (rerun from NEBU 434)

2.5 5 7.5 10

WOB 8-10
 RPM 75
 PP 400

circ. out

c.o.

TD 3345 ft.

DEPTH

CORE

DS

DST

G F P

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