

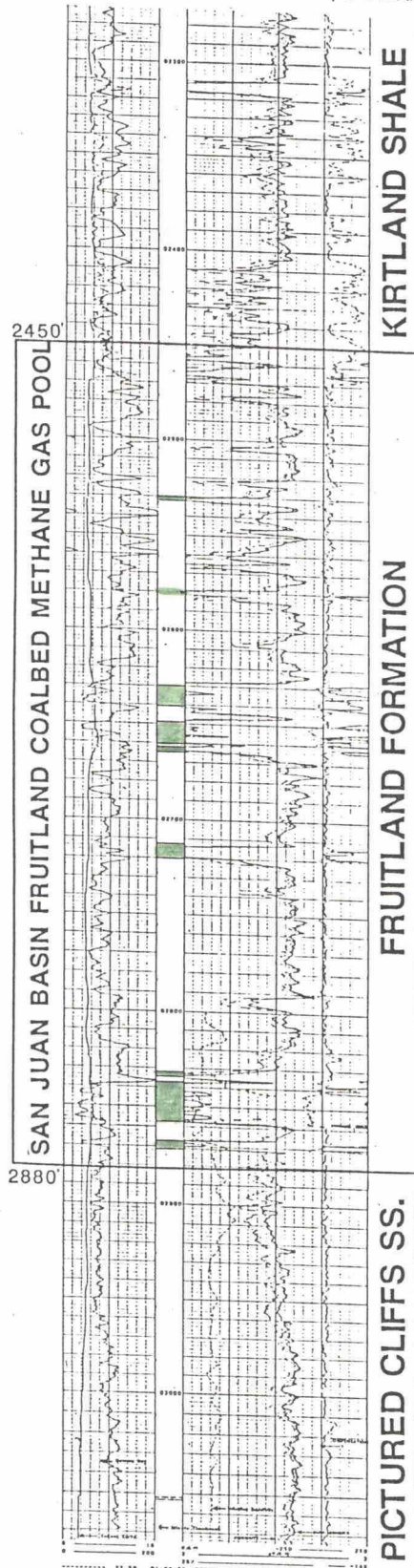
MERIDIAN OIL

JULY 6, 1988

BEFORE EXAMINER CATANACH	
OIL CONSERVATION DIVISION	
_____	EXHIBIT NO: _____
CASE NO: _____	9420

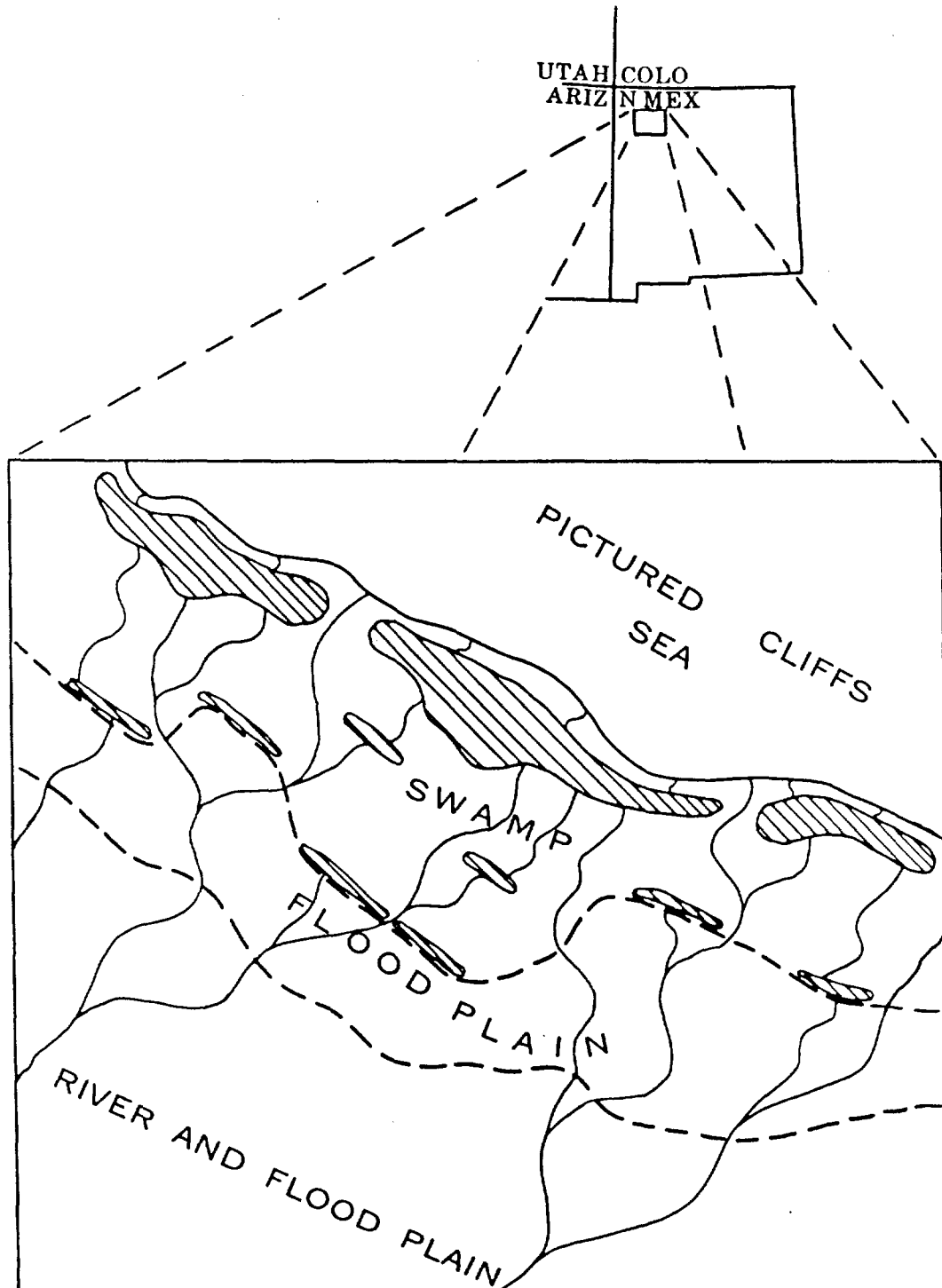
TYPE LOG

K.B. 6071' T.D. 3050'(Kpc-P&A)



AMOCO
Schreider Gas Com."B" No. 1
SWSW 28-32N-10W
9-14-77

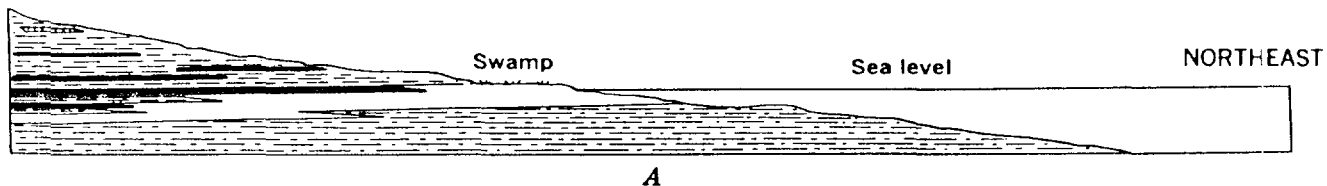
(1)



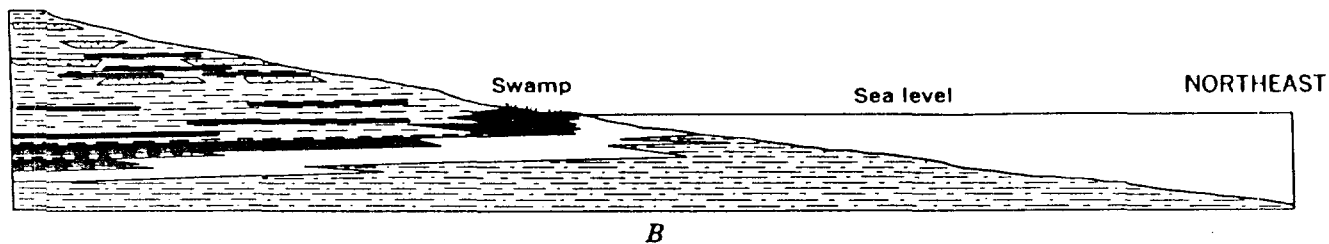
DIAGRAMMATIC PALEOGEOGRAPHIC MAP SHOWING ENVIRONMENTS OF DEPOSITION

(Modified From)
James E. Fassett

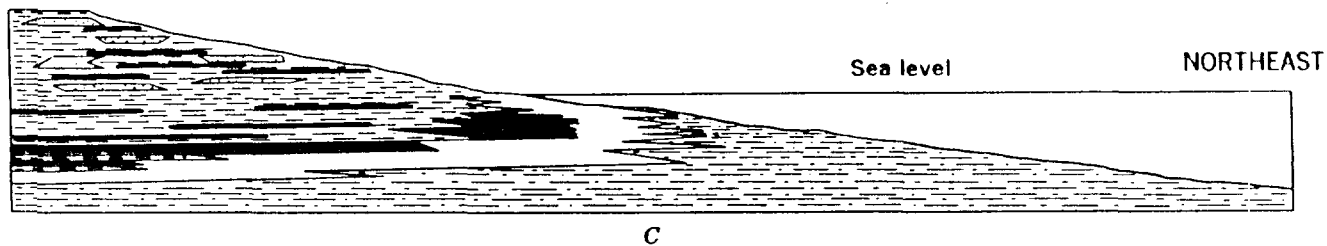
SOUTHWEST



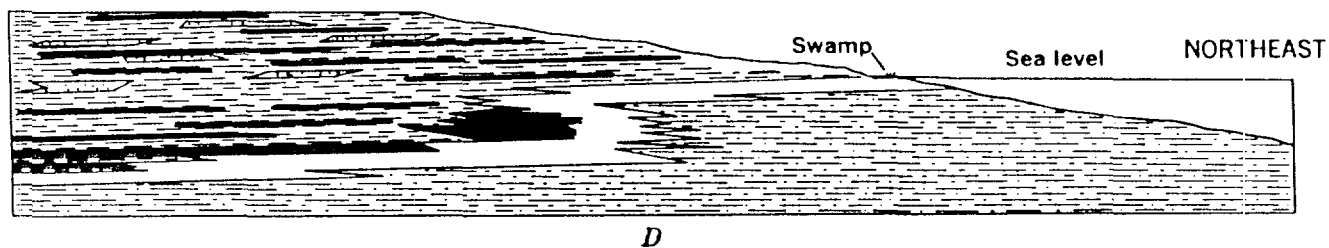
SOUTHWEST



SOUTHWEST



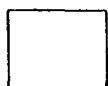
SOUTHWEST



VERTICAL EXAGGERATION ABOUT X 60



Marine
shale



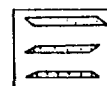
Marine
sandstone



Continental
deposits



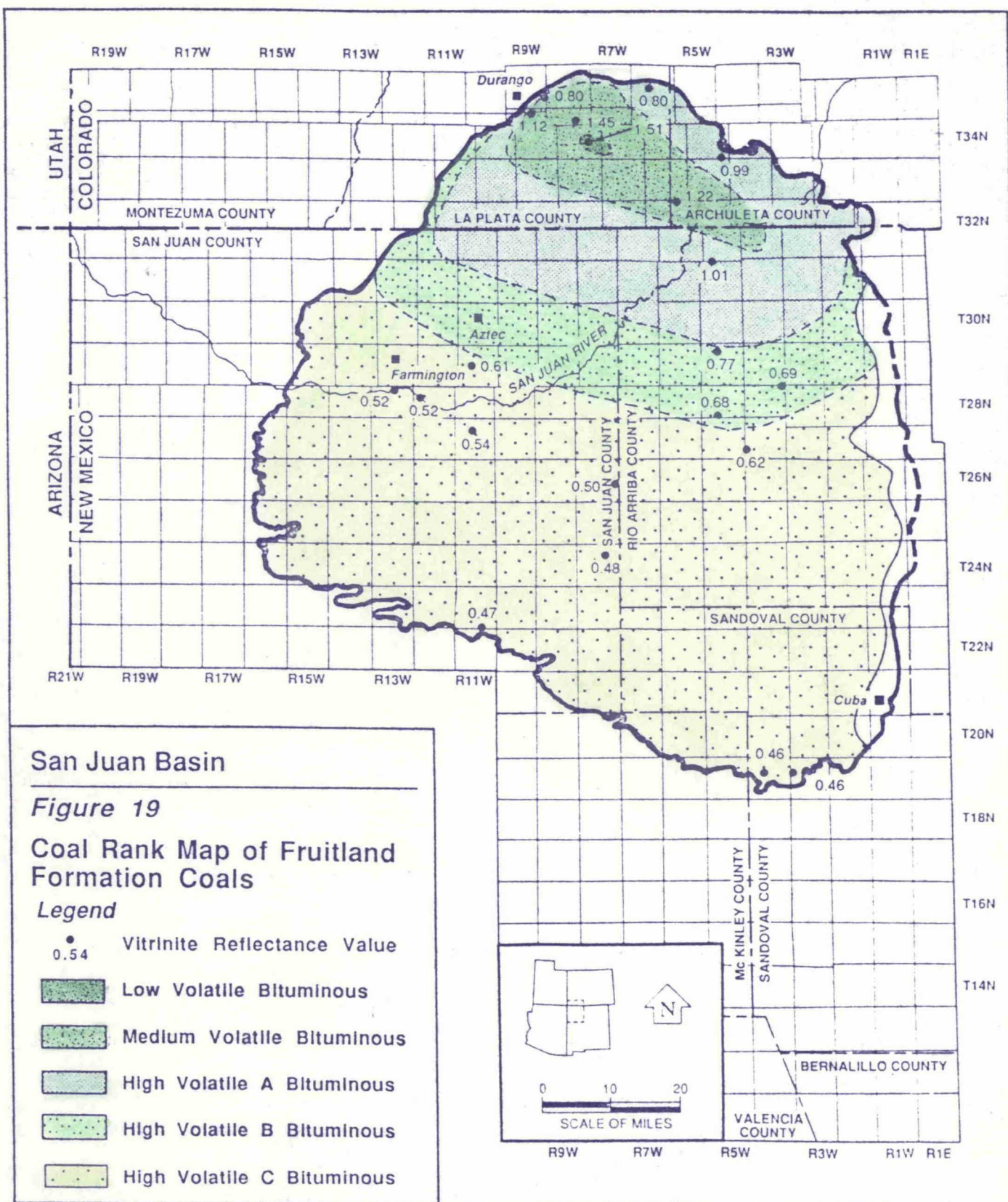
Coal



Fluvial
sandstone

(3)

Diagrammatic cross sections showing the relations of the continental, beach, and marine deposits of Pictured Cliffs time after (A) shoreline regression, (B) shoreline stability, (C) shoreline transgression, and (D) shoreline regression.



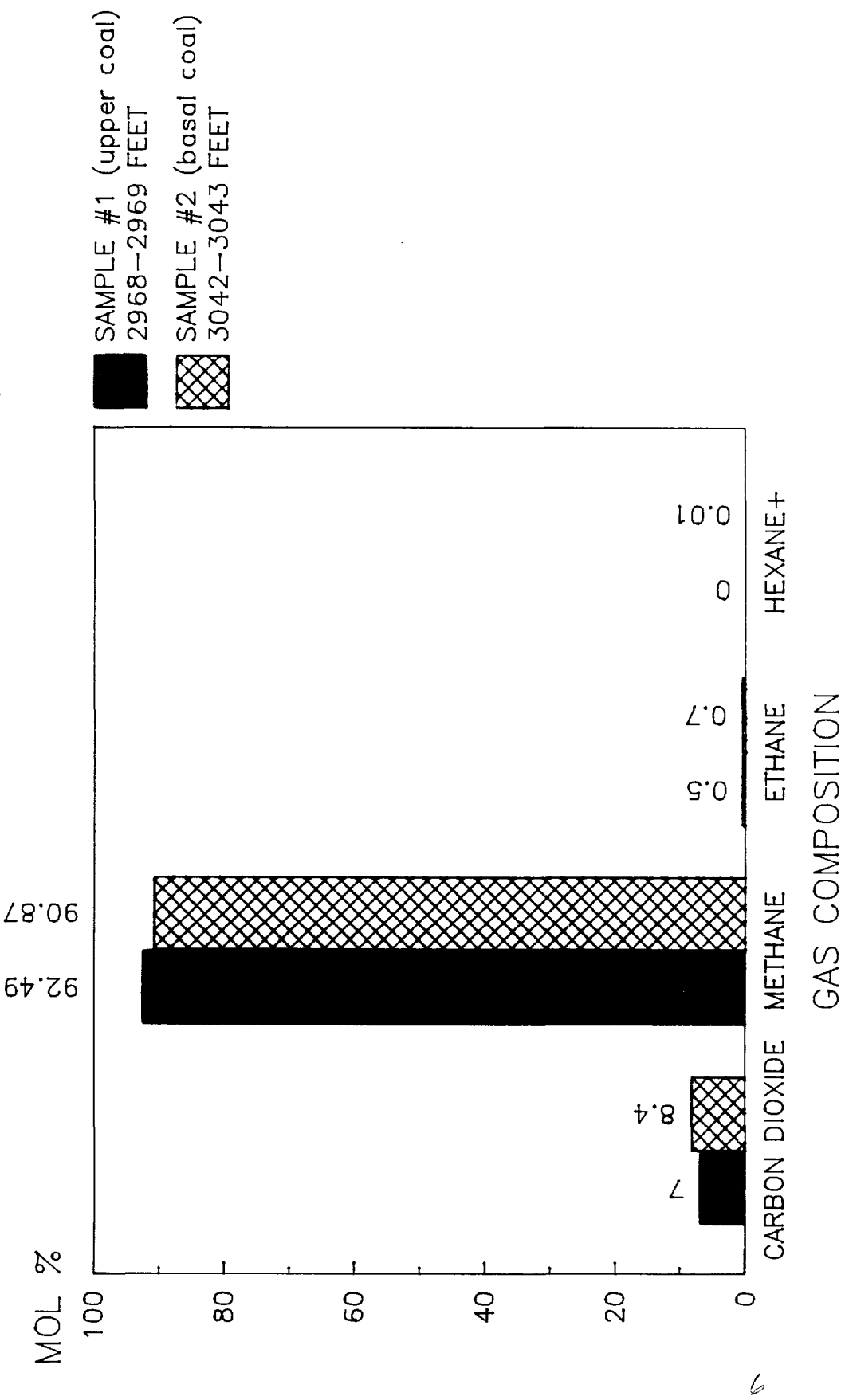
Prepared by: ICF-Lewin Energy, 1988.

4

GAS COMPOSITION STUDY

MOI VANDERSLICE #100

NE SEC.18-T32N-R10W SAN JUAN CO., NM



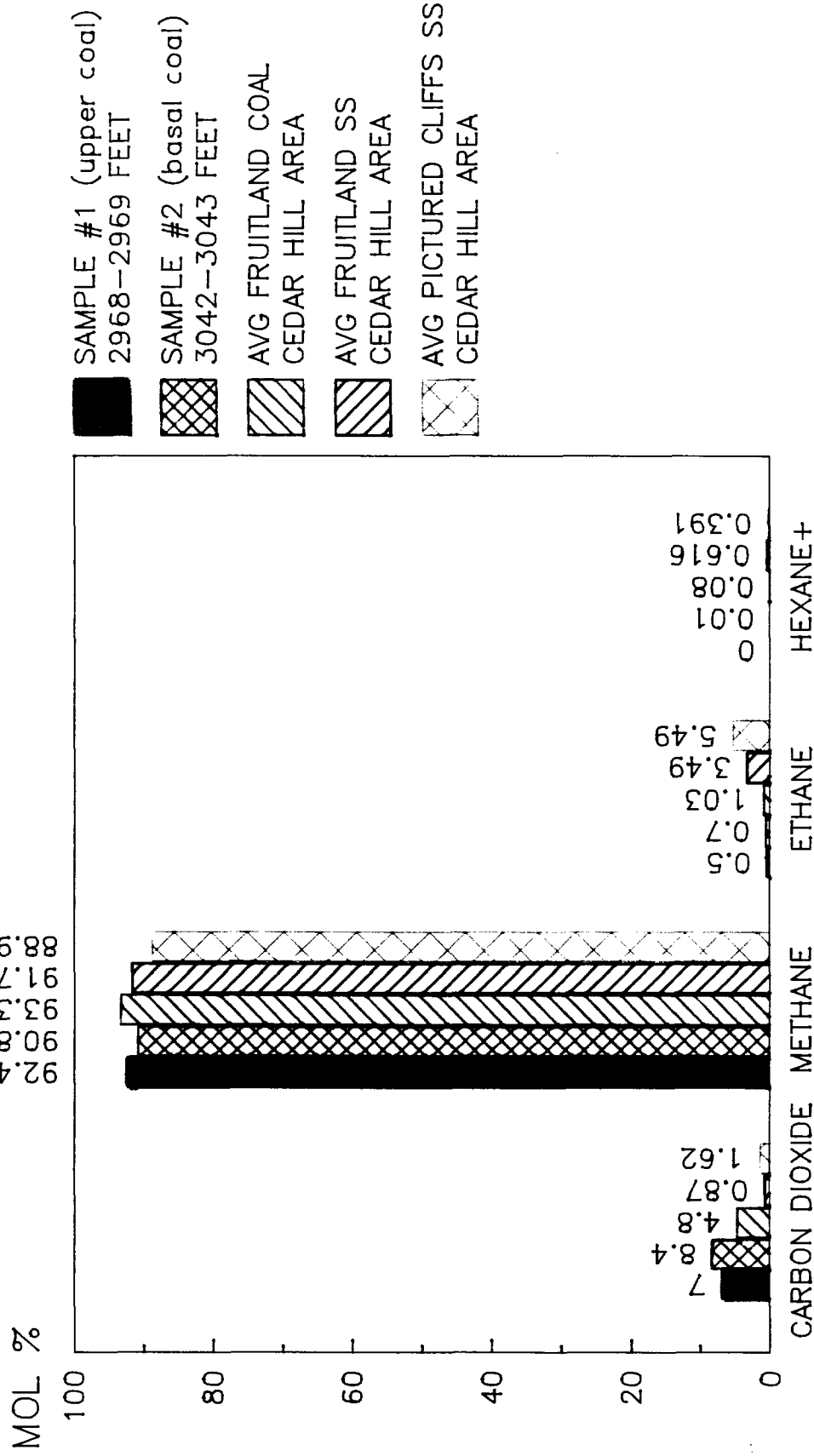
Data corrected for air contamination and oxidation of coal.

Final gas analysis at near atmospheric pressure.
May 1988 DLC

GAS COMPOSITION STUDY

MOI VANDERSLICE #100

NE SEC.18-T32N-R10W SAN JUAN CO., NM

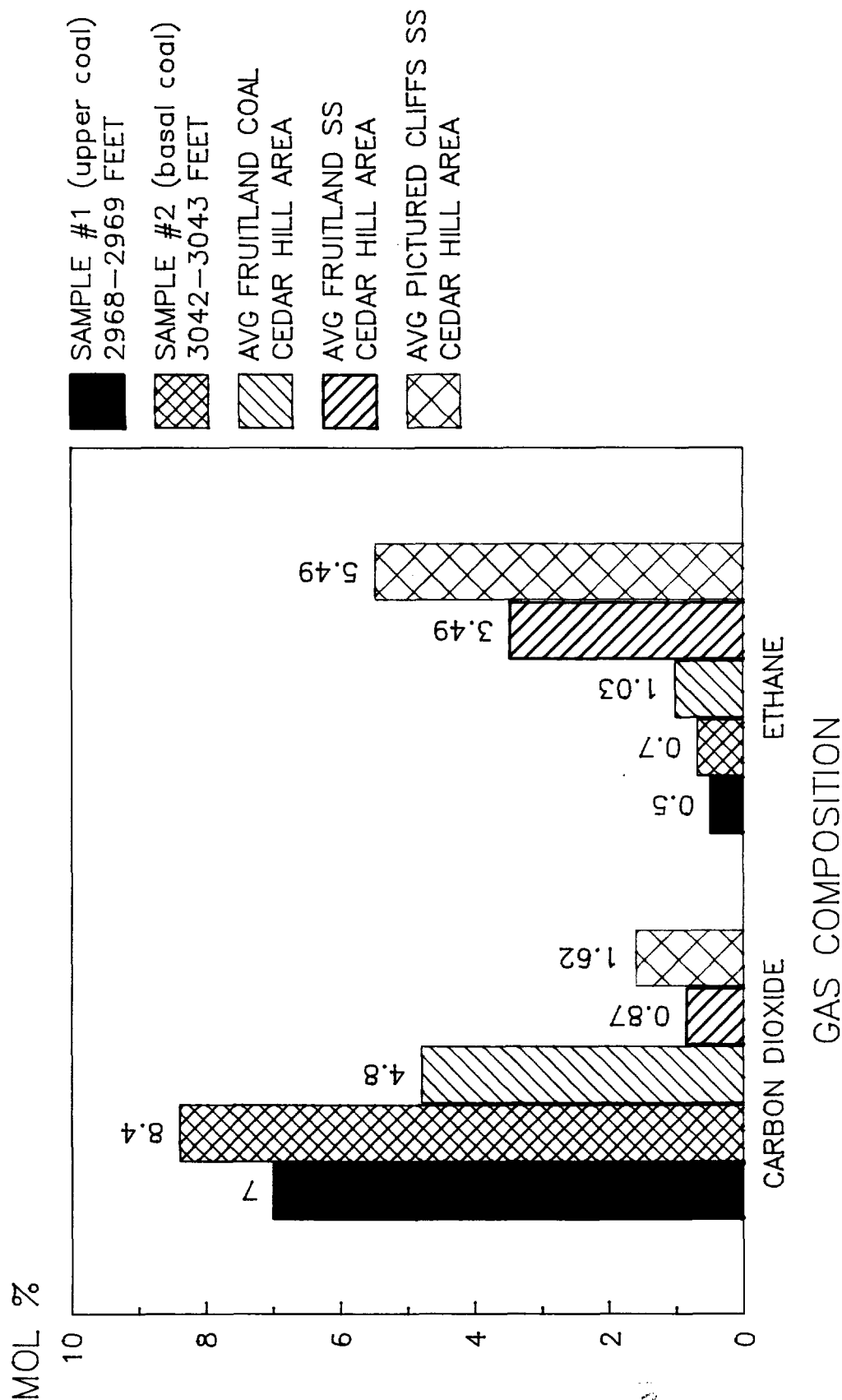


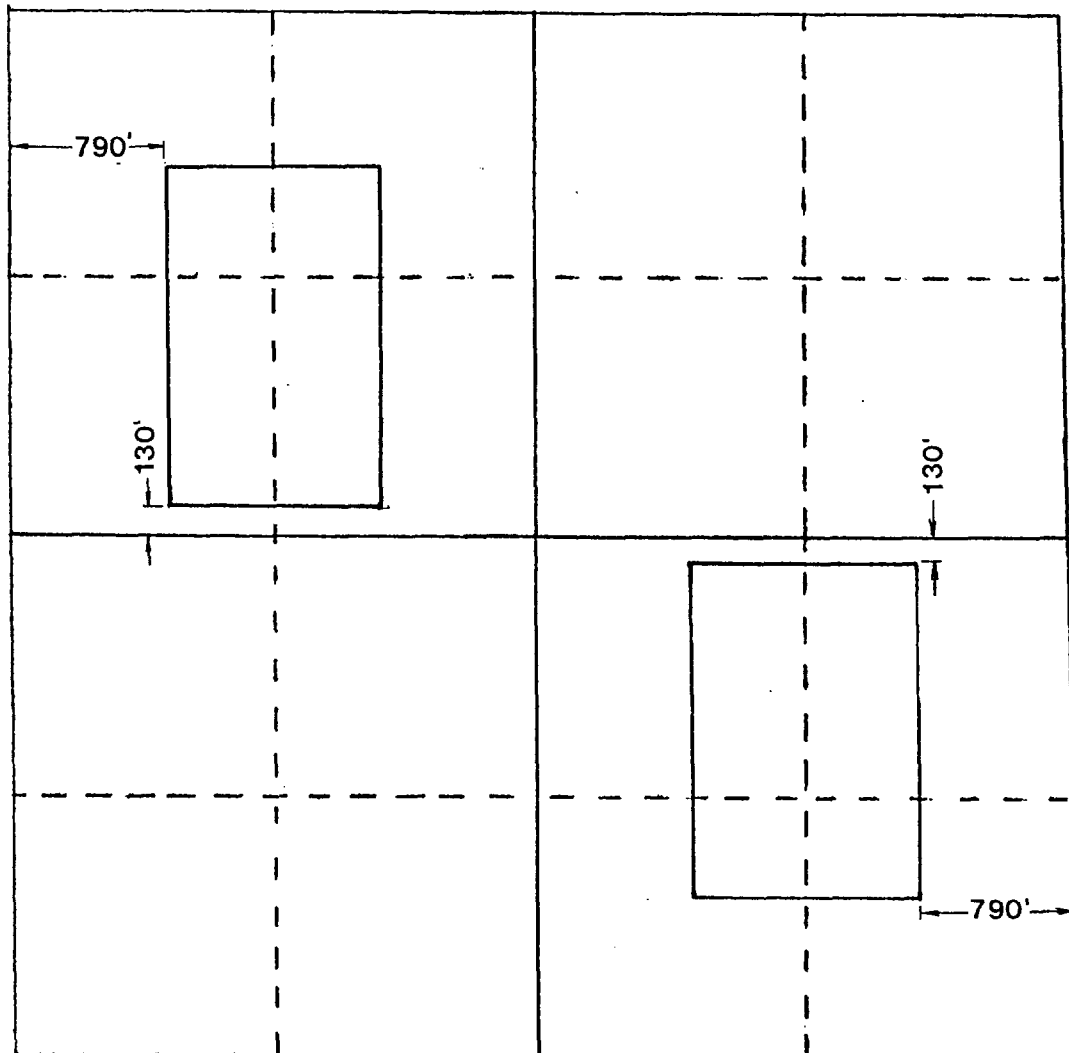
GAS COMPOSITION

GAS COMPOSITION STUDY

MOI VANDERSLICE #100

NE SEC.18-T32N-R10W SAN JUAN CO., NM





SAN JUAN BASIN FRUITLAND COALBED METHANE GAS POOL
SPECIAL GAS SPACING -- 320.00 CONTIGUOUS ACRES

No closer than 790' to the drill tract outer boundary.

No closer than 130' to the inner boundary quarter section line.

Increase density well cannot be located in a 1/4 section containing a well to this pool.

No limitation on surface location of a horizontal well within drill tract.

Knauff #1
Fruitland Coal Recompletion
Reserve & Drainage Calculations

Cumulative Gas to 1/1/84 - 344,787

Since this well suffered from a 36% load factor during 1984, all projections are done from 1/1/84 in order to exclude market-influenced data.

It was assumed that 1984 would continue to produce 3300 Mcf/m until 1/1/85 and that 1985 production would equal 1977 production and that 1986 production would equal 1976 monthly average production times 12.

Therefore, by 1/1/87 cumulative production would have been 345 MM + 40 MM + 29 MM + 24 MM = 438 MM.

At this point, a decline approximately equal to the first 6 months incline of 7.5% was imposed to an abandonment rate of 450 Mcf/m so that the recoverable reserves are:

$$438,000 + 12/.075 (2000 - 450) = \underline{686 \text{ MMcf}}$$

$$\text{Gas-in-place} = \text{EUR}/E_r = 686 \text{ MMcf}/.70 = \underline{980 \text{ MMcf}}$$

$$\text{Drainage area } A = 980,000,000/(1800)(250)(6) = \underline{363 \text{ ac.}}$$

Where 1800 tons/ac. ft. = coal density
250 SCF/ton = desorption factor
6 ft. = bed thickness

BEFORE EXAMINER CATANACH	
OIL CONSERVATION DIVISION	
MOT	EXHIBIT NO. 10
CASE NO.	9420

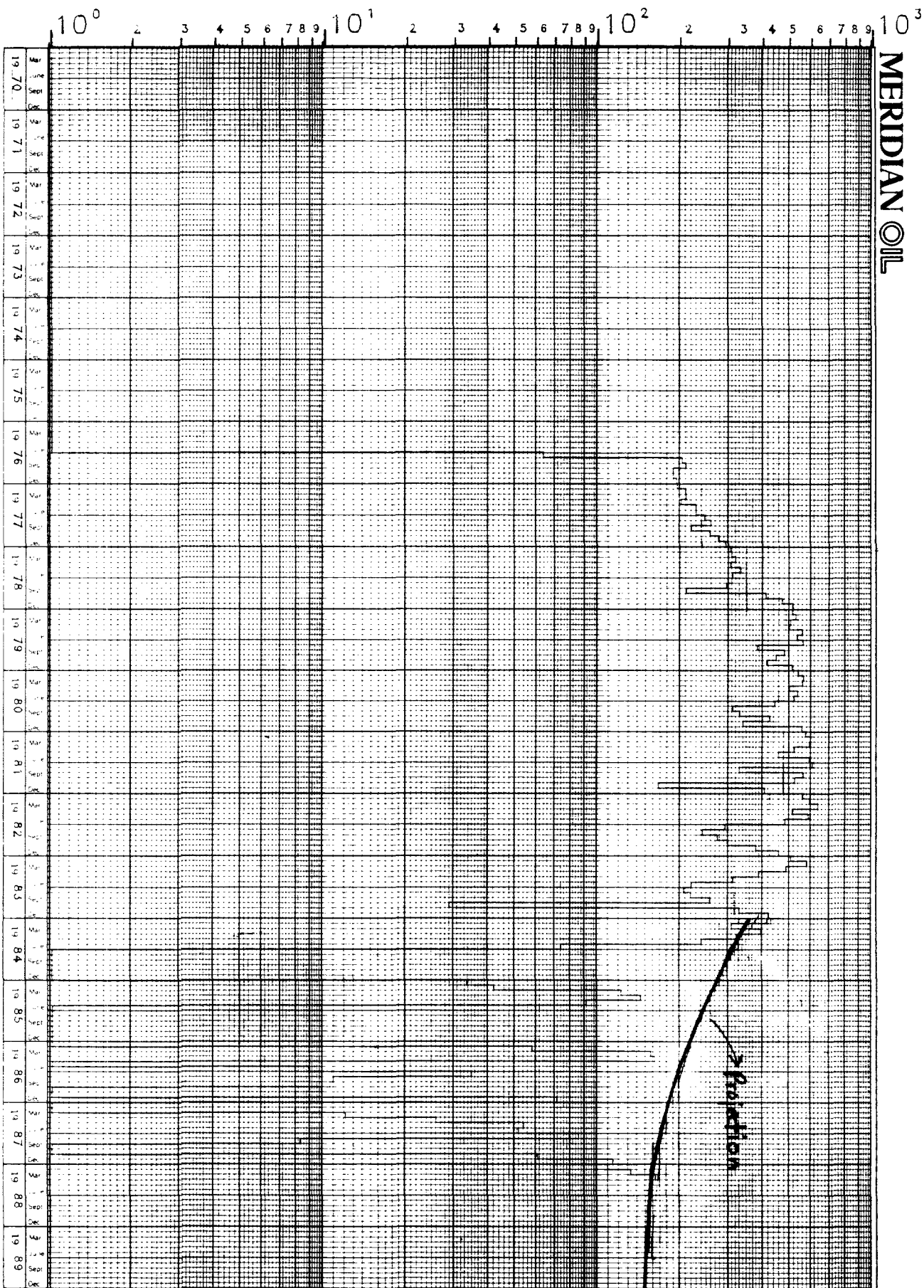
PROJECT : KNAUFF COAL
 STATE : NEW MEXICO
 COUNTY : SAN JUAN
 LOCATION : 31C28N 10W
 PAGE NUMBER : 0000001-A

DWIGHTS NUMBER : 30428N10W31C00FT
 LEASE/WELL NAME : KNAUFF
 RESERVOIR :
 FIELD : KUTZ FRUITLAND (GAS)
 OPERATOR : DUGAN PRODUCTION CORP

MERIDIAN OIL

WATER (BBL/M)

(LINEAR WITH ⁴)



ENTRANCE TO THE MUSEUM

OF THE NATIONAL MUSEUM

NOTICE NO. 11

NOTICE NO.

9420

**Fruitland Coal Recompletions
Meridian Oil Inc.**

<u>Well Name</u>	<u>Location</u>	<u>Date</u>	<u>Net Coal Bed Thickness (Ft)</u>	<u>Initial Rate (MCF/D)</u>	<u>Line Pressure (PSIG)</u>
Rowley D #1	D-27-27N-10W	6/9/88	18'	235	150
Rowley #2	L-8-27N-10W	6/17/88	21'	200	150
Rowley C #2	K-28-27N-10W	6/17/88	21'	331	180

BEFORE ENROLLMENT OF LAND	
OIL CONVEYANCE DIVISION	
MOI	EXHIBIT NO. 12
CASE NO.	9420