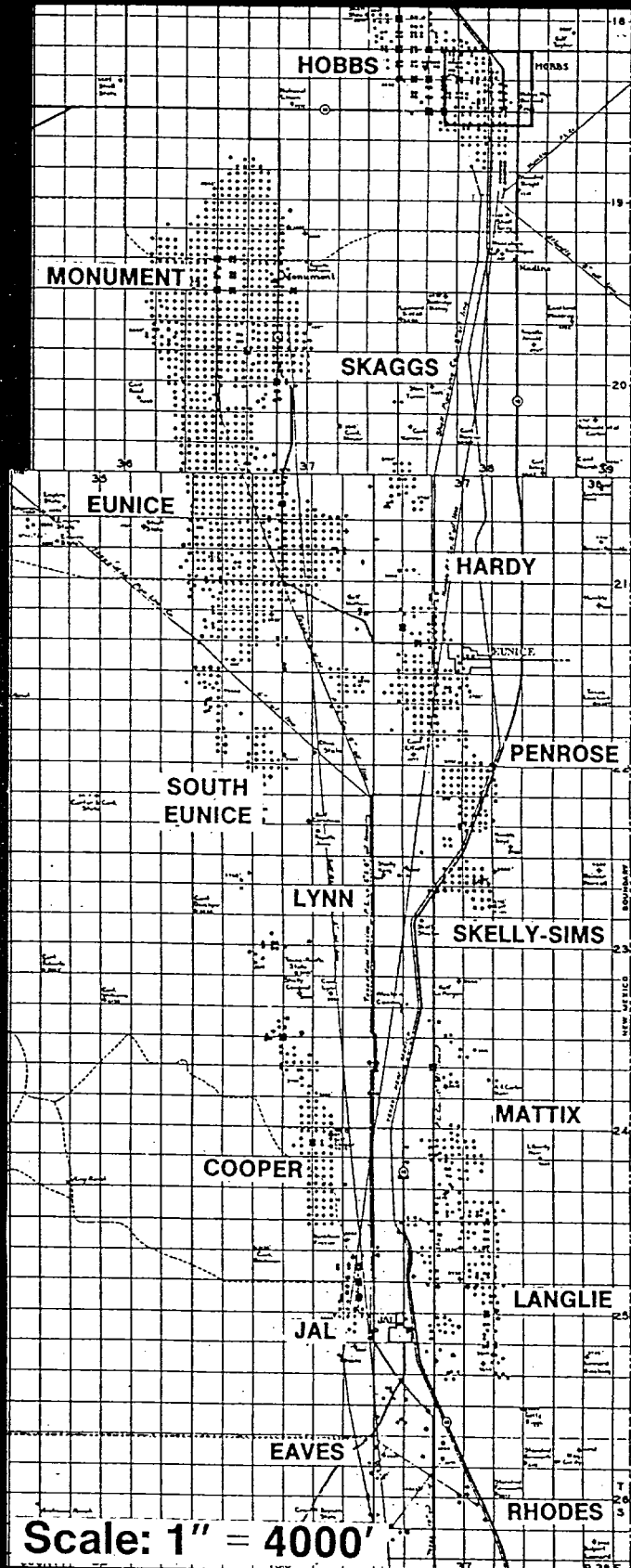


MONUMENT-EUNICE- JALMAT TREND

SOURCE: Lea County Operators
Committee
1938 Annual Report



H

2

10036

DOYLE HARTMAN
EXHIBIT LIST

1. Major Gas Field Rankings
2. 1938 Gas Pool Map
3. Gas Pool SE NM (Pipeline Map)
4. Hartman - Jalmat/Eumont Activity
5. 3-D Diagram
6. Cross-Section
- 7A. Tabulation of Remaining Recoverable Reserves
- 7B. Eumont Gas Pool P/Z
- 7C. Jalmat Gas Pool P/Z
8. Typical Modern Eumont-Jalmat Economic Results
(Spreadsheet attached)
9. Gas Prospect Data Sheet (Typical Well)
10. Average Cost/Well (8 wells)
11. Spot Pricing Scenario (Major Gas Pipeline Co.)
(not a blow-up)
12. Turner-State #3 Allowable v. Economic Results
13. Gas Prospect Evaluation Data Sheet - Turner #3
- 13A. Spreadsheet - Computation of Reserves
- 13B. Spreadsheet - Deliverability - Turner State #3
14. Graph - Eumont/Jalmat Non-Marginal Allowable AF-1.0
15. Effects of Infill Drilling on Pools (752)

- 15A. DH Operated Gross and Net Gas Production
- 16. Late Thomas - Production v. Allowable
- 17., 17A. and 17B. Summary - Late Thomas, #2, #3
- 18. P/Z - Late Thomas #1 and 2 v. #3
- 19. State 'E' - Result of Infill Drilling
- 20. Turner State - Result of Infill Drilling
- 21. Hunigram - Composite P/Z Plot

HARTMAN JALMAT-EUMONT ACTIVITY 1989 & 1990

LEGEND



JALMAT POOL
RHODES POOL
EUMONT POOL



HARTMAN OPERATED
LEASES

DRILLING PROGRAM
1989-1990

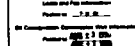


DRILLED



PROPOSED

SCALE: 1" = 4000'



Ownership Map
Southeast LEA COUNTY, NEW MEXICO
SCALE: 1" = 4000'
DATE: 10/1/90
BY: [Signature]

BEFORE EXAMINER CATANACH
Oil Conservation Division
H Exhibit No. 4
Case No. 10036

GAS POOLS. SOUTHEASTERN LEA COUNTY, NEW MEXICO

SID RICHARDSON

NORTHERN NATURAL
GAS PIPELINE

EUMONT POOL
(PROBATED)

JALMAT POOL
(PROBATED)

CUSTER & CUSTER
EAST POOLS

RHODES POOL
(NON-PROBATED)

LEGEND

- ☐ CUSTER & CUSTER
EAST POOLS
- ☐ EUMONT POOL
- ☐ JALMAT POOL
- ☐ RHODES POOL

SCALE: 1" = 4000'

Ownership Map
Southeast LEA COUNTY, NEW MEXICO
SCALE: 1" = 4000'

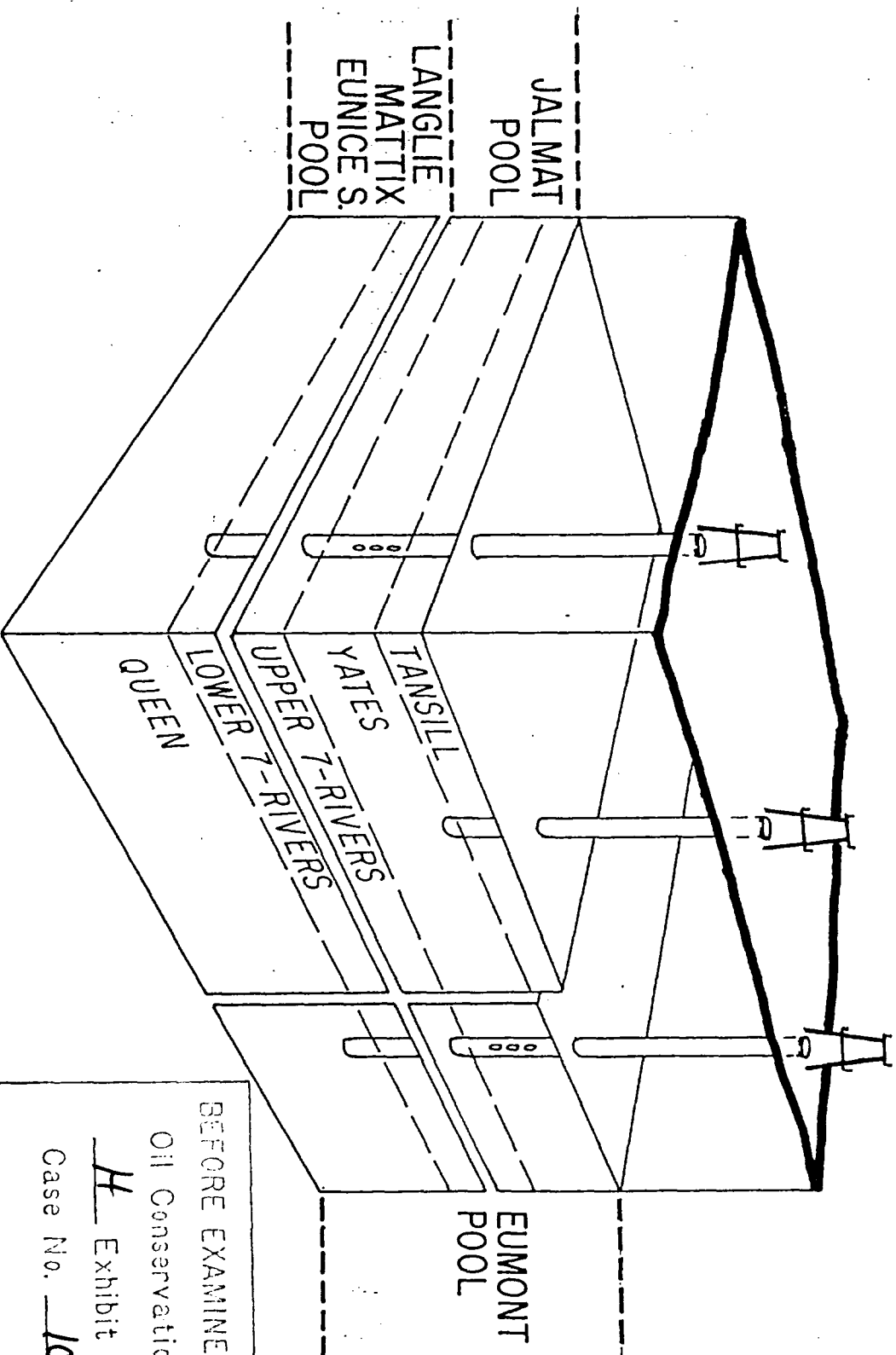
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Oil Conservation Division

H Exhibit No. 3

Case No. 10036

PARTIAL DIAGRAM OF LEA COUNTY OIL & GAS POOLS



BEFORE EXAMINER CATANACH

Oil Conservation Division

H Exhibit No. 5

Case No. 10036

ESTIMATED REMAINING RECOVERABLE GAS IN PLACE
MONUMENT-EUNICE(EUMONT)-JALMAT TREND
LEA COUNTY NEW MEXICO

(1) INITIAL RECOVERABLE RESERVES (BCF)	(1) CUMULATIVE PRODUCTION 12/31/65 (BCF)	(2) PRODUCTION 1/1/65 TO 6/1/90 (BCF)	REMAINING RECOVERABLE RESERVES 6/1/90 (BCF)
9,800	6,700	2,361	739

CALCULATED PRODUCTION FROM 1/1/65 TO 6/1/90

FIELD/POOL	(3) CUMULATIVE PRODUCTION 12/31/65 (BCF)	(4) CUMULATIVE PRODUCTION 6/1/90 (BCF)	PRODUCTION 1/1/65 TO 6/1/90 (BCF)
GAS POOLS			
EUMONT (PRO GAS)	579	1,580	1,001
RHODES (GAS)	171	223	52
JALMAT (PRO GAS)	1,184	1,707	523
SUBTOTAL			1,576
ASSOCIATED CASINGHEAD POOLS			
ARROWHEAD	24	37	13
EUMONT (OIL)	229	365	136
EUNICES (OIL)	402	809	406
JALMAT (OIL)	146	210	64
LANG MATX (OIL)	272	438	166
SUBTOTAL			785
TOTAL GAS & ASSOC CSGHEAD			2,361

POTENTIAL MONEY INVESTED INTO LEA COUNTY, NEW MEXICO ECONOMY

REMAINING RECOVERABLE RESERVES ACCESSIBLE TO INFILL WELLS (BCF)	ANTICIPATED MODERN INFILL WELL RECOVERY (BCF/WELL)	NUMBER OF MODERN INFILL WELLS REQUIRED (WELLS)	COST PER MODERN INFILL WELLS (\$/WELL)	TOTAL POTENTIAL INVESTMENT INTO LEA, COUNTY NM (\$)
(5) 438	1.612	272	\$630,123.00	\$171,393,456.00

- (1) FROM "NATURAL GASES OF NORTH AMERICA - A SUMMARY"; B.W. BEEBE AND BRUCE F. CURTIS
CUMULATIVE PRODUCTION INCLUDES ESTIMATES FOR VENTED AND FLARED CASINGHEAD GAS
(2) CALCULATED PRODUCTION FROM DWIGHTS' ENERGY DATA AND STATE OF NEW MEXICO ANNUAL REPORT FIGURES
(3) 12/31/65 CUMULATIVES FOR GAS POOLS FROM STATE OF NEW MEXICO ENGINEERING COMMITTEE REPORTS
CUMULATIVES FOR CASINGHEAD GAS POOL EFFECTIVE 1/1/70 FROM DWIGHTS ENERGY DATA NO CUMULATIVES
PUBLISHED PRIOR TO 1/1/70
(4) 6/1/90 CUMULATIVES FROM DWIGHTS ENERGY DATA
(5) BASED UPON FIELD DELCINE ANALYSIS 301 BCF IS RECOVERABLE BY EXISTING WELLS. THEREFORE
739 BCF - 301 BCF OR 438 BCF IS RECOVERABLE ONLY BY INFILL WELLS

BEFORE EXAMINER CATANACH

Oil Conservation Division

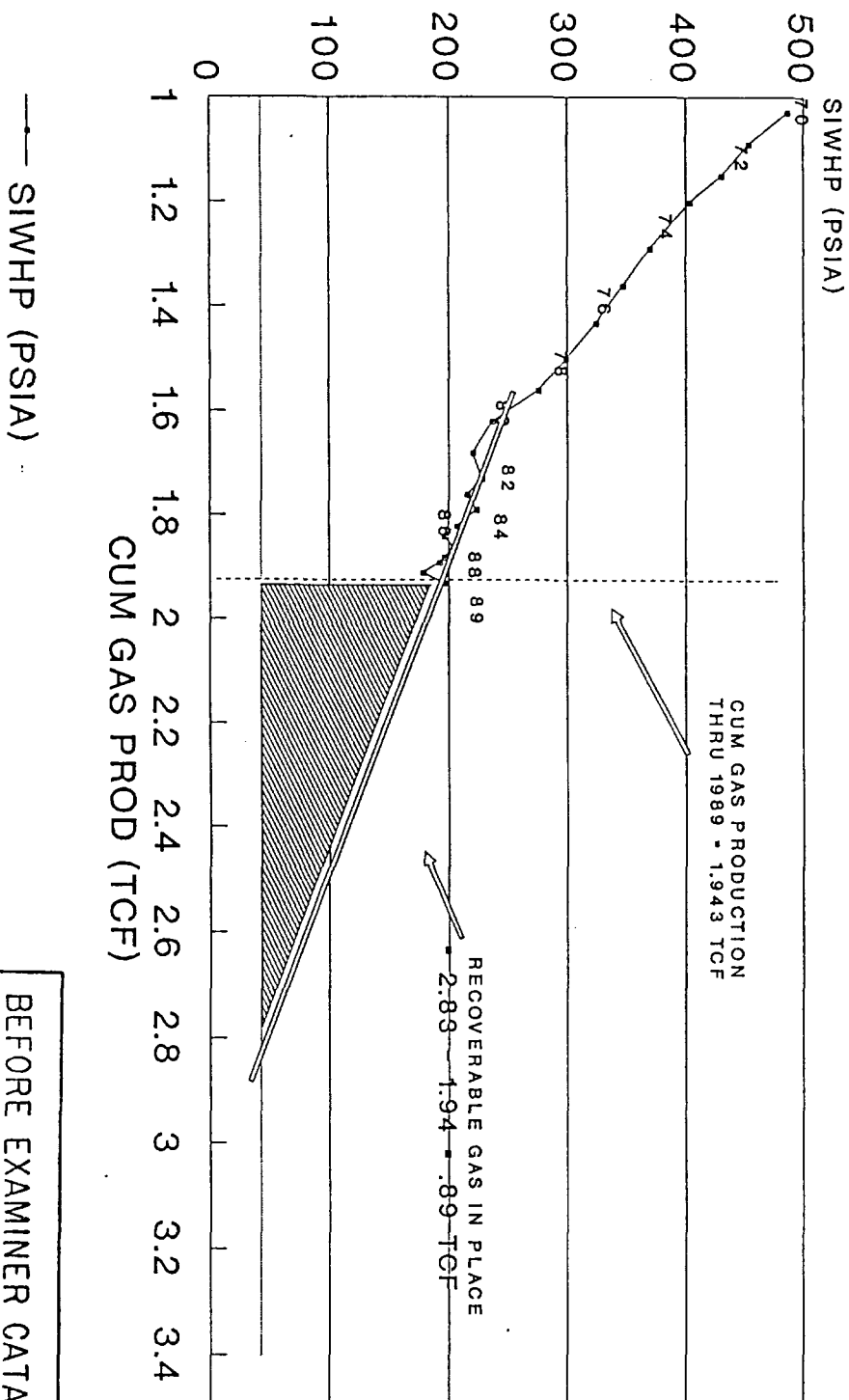
H Exhibit No. 7A

Case No. 10036

EUMONT GAS POOL

SIWHP (PSIA) VS. GAS CUM (TCF)

SIWHP > 50 PSIA



EUMTPZ2/557/8-31-90

BEFORE EXAMINER CATANACH

Oil Conservation Division

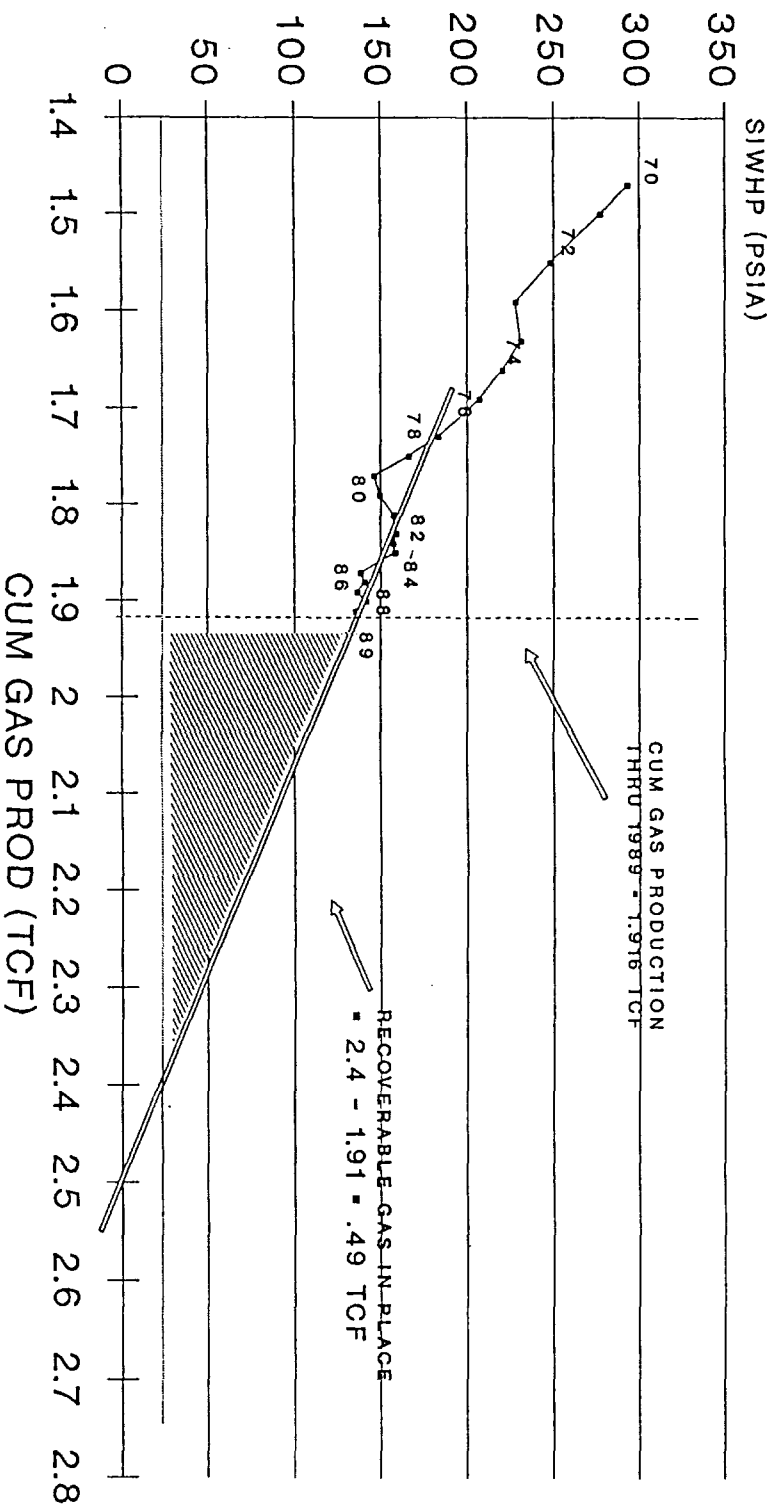
Exhibit No. 7-B

Case No. 10036

JALMAT GAS POOL

SIWHP (PSIA) VS. GAS CUM (TCF)

SIWHP > 50 PSIA



JALPZ50/557/8-31-90

— SIWHP (PSIA)

BEFORE EXAMINER CATANACH
Oil Conservation Division

Exhibit No. 7-C

Case No. 10036