

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE 070 EXPLORATION, NM

1. Type of Well ☐ Oil Well ☒ Gas Well ☐ Other	5. Lease Designation and Serial No. SE 077111
2. Name of Operator Conoco Inc	6. If Indian, Allottee or Tribe Name
3. Address and Telephone No. P.O. Box 2197 DU-3066 Houston, TX 77252-2197 (281) 293-1005	7. If Unit or CA, Agreement Designation
4. Location of Well (Footage, Sec., T. R. M. or Survey Description) A, Sec.-22, T-28N, R-9W 1103' FNL & 990' FEL	8. Well Name and No. Storey C LS #6
	9. API Well No. 30-045-07352
	10. Field and Pool, or Exploratory Area Aztec Pictured Cliffs Blanco Mesaverde
	11. County or Parish, State San Juan, NM

CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA	
TYPE OF SUBMISSION	TYPE OF ACTION
☒ Notice of Intent	☐ Abandonment
☐ Subsequent Report	☐ Recompletion
☐ Final Abandonment Notice	☐ Plugging Back
	☐ Casing Repair
	☐ Altering Casing
	☐ Other Downhole Commingle
	☐ Change of Plans
	☐ New Construction
	☐ Non-Routine Fracturing
	☐ Water Shut-Off
	☐ Conversion to Injection
	☐ Dispose Water

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Conoco proposes to downhole commingle this well in the Aztec Pictured Cliffs and Blanco Mesaverde.

RECEIVED
OCT 14 1993
OIL CON. DIV
DIST. 3

14. I hereby certify that the foregoing is true and correct		
Signed <u>Deborah Moore</u>	Title <u>Regulatory Analyst</u>	Date <u>08/17/99</u>
(This space for Federal or State office use)		
Approved by <u>WAYNE TOWNSEND</u>	Title <u>A. T. L.</u>	Date <u>10/12/99</u>
Conditions of approval if any:		

BLM(6), NMOCD(1), SHEAR, PONCA, COST ASST, FILE ROOM

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

DISTRICT I
1625 N. French Dr., Hobbs, NM 88240
DISTRICT II
811 South First St., Artesia, NM 88210
DISTRICT III
1000 Rio Brazos Rd, Aztec, NM 87410
DISTRICT IV
2040 S. Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

2040 S. Pacheco
Santa Fe, New Mexico 87505-6429

Form C-107-A
Revised August 1999

APPROVAL PROCESS:

☐ Administrative ☐ Hearing

EXISTING WELLBORE

APPLICATION FOR DOWNHOLE COMMINGLING

☒ YES ☐ NO

Conoco Inc. P.O. Box 2197 DU 3066, Houston, TX 77252

Operator

Address

Storey C LS

6

A Sec. 22, T-28N, R-9W

San Juan

Lease

Well No.

Unit Ltr. - Sec - Twp - Rge

County

Spacing Unit Lease Types: (check 1 or more)

OGRID NO. 005073 Property Code 22423 API NO. 30-045-07352 Federal ☒ State ☐ (and/or) Fee ☐

The following facts are submitted in support of downhole commingling: 1. Pool Name and Pool Code	Upper Zone Aztec Pictured Cliffs 71280	Intermediate Zone	Lower Zone Blanco Mesaverde 72319
	2. Top and Bottom of Pay Section (Perforations)	2450 - 2492	
3. Type of production (Oil or Gas)	Gas		Gas
4. Method of Production (Flowing or Artificial Lift)	Flowing		Flowing
5. Bottomhole Pressure Oil Zones - Artificial Lift: Gas & Oil - Flowing: All Gas Zones: Estimated Current Measured Current Estimated Or Measured Original	a. (Current) 259	a.	a. 563
	b. (Original) 760	b.	b. 1198
6. Oil Gravity (EAPI) or Gas BTU Content	1128		1331
7. Producing or Shut-In?	Producing		Producing
Production Marginal? (yes or no) * If Shut-In, give date and oil/gas/water rates of last production Note: For new zones with no production history, applicant shall be required to attach production estimates and supporting data * If Producing, give date and oil/gas/water rates of recent test (within 60 days)	NO		NO
	Date: Rates:	Date: Rates:	Date: Rates:
	Date: April/May 99 rates Rates: 153 MCFD	Date: Rates:	Date: April/May 99 rates Rates: 22 MCFD
8. Fixed Percentage Allocation Formula -% for each zone (total of %'s to equal 100%)	Oil: 4 % Gas: 77 %	Oil: % Gas: %	Oil: 96 % Gas: 23 %

9. If allocation formula is based upon something other than current or past production, or is based upon some other method, submit attachments with supporting data and/or explaining method and providing rate projections or other required data.

10. Are all working, overriding, and royalty interests identical in all commingled zones? ☒ Yes ☐ No
If not, have all working, overriding, and royalty interests been notified by certified mail? ☐ Yes ☐ No

11. Will cross-flow occur? ☒ Yes ☐ No If yes, are fluids compatible, will the formations not be damaged, will any cross-flowed production be recovered, and will the allocation formula be reliable. ☒ Yes ☐ No (If No, attach explanation)

12. Are all produced fluids from all commingled zones compatible with each other? ☒ Yes ☐ No

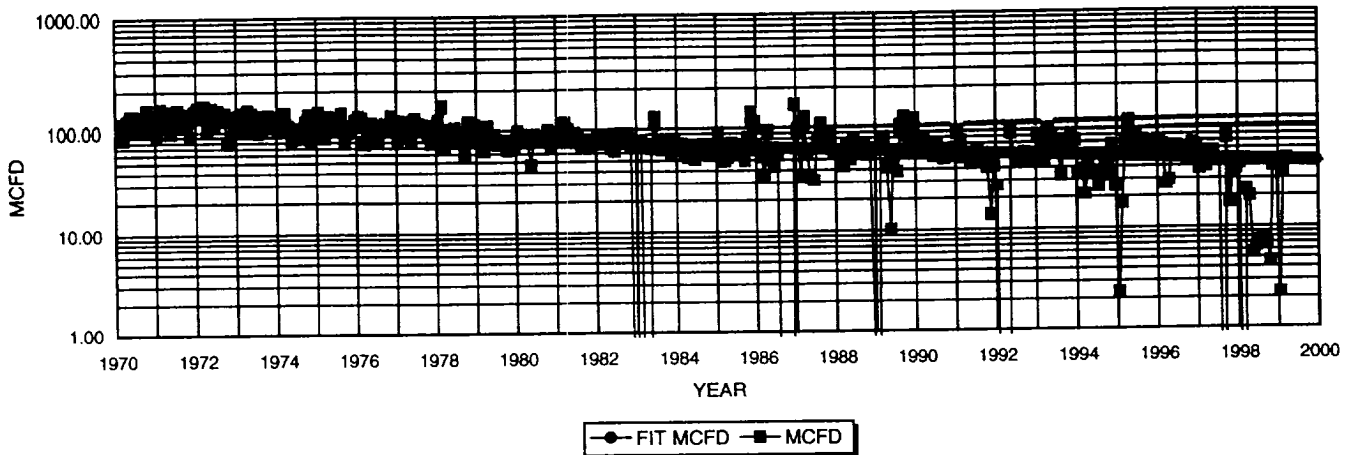
13. Will the value of production be decreased by commingling? ☐ Yes ☒ No (If Yes, attach explanation)

14. If this well is on, or communitized with, state or federal lands, either the Commissioner of Public Lands or the United States Bureau of Land Management has been notified in writing of this application. ☐ Yes ☐ No

15. NMOCD Reference Cases for Rule 303(D) Exceptions: ORDER NO(S). _____

16. ATTACHMENTS:

**STOREY CLS #6 MESAVERDE PRODUCTION
SECTION 22A-28N-09W**



MESAVERDE HISTORICAL DATA:

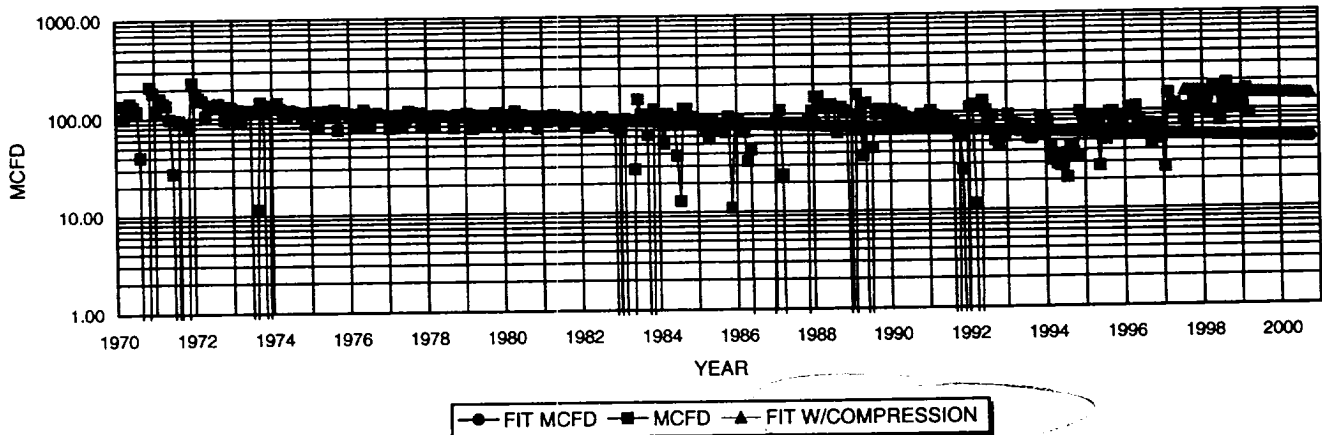
1ST PROD: 09/57

OIL CUM: 28.61 MBO
GAS CUM: 1466.0 MMCF
OIL YIELD: 0.0195 BBL/MCF

MESAVERDE PROJECTED DATA:

09/01/99 Qi: 45 MCFD
DECLINE RATE: 3.0% (EXPONENTIAL)

**STOREY CLS #6 PICTURED CLIFFS PRODUCTION
SECTION 22A-28N-09W**



PICTURED CLIFFS HISTORICAL DATA:

1ST PROD: 09/579

OIL CUM: 0.5 MBO
GAS CUM: 1513.8 MMCF
OIL YIELD: 0.0003 BBL/MCF

PICTURED CLIFFS PROJECTED DATA:

09/01/99 Qi: 152 MCFD
DECLINE RATE: 3.0% (EXPONENTIAL)

FIXED COMMINGLE ALLOCATION FACTORS:

	GAS	OIL
MESAVERDE	23%	95%
PICTURED CLIFFS	77%	5%

API # 30-045-07352

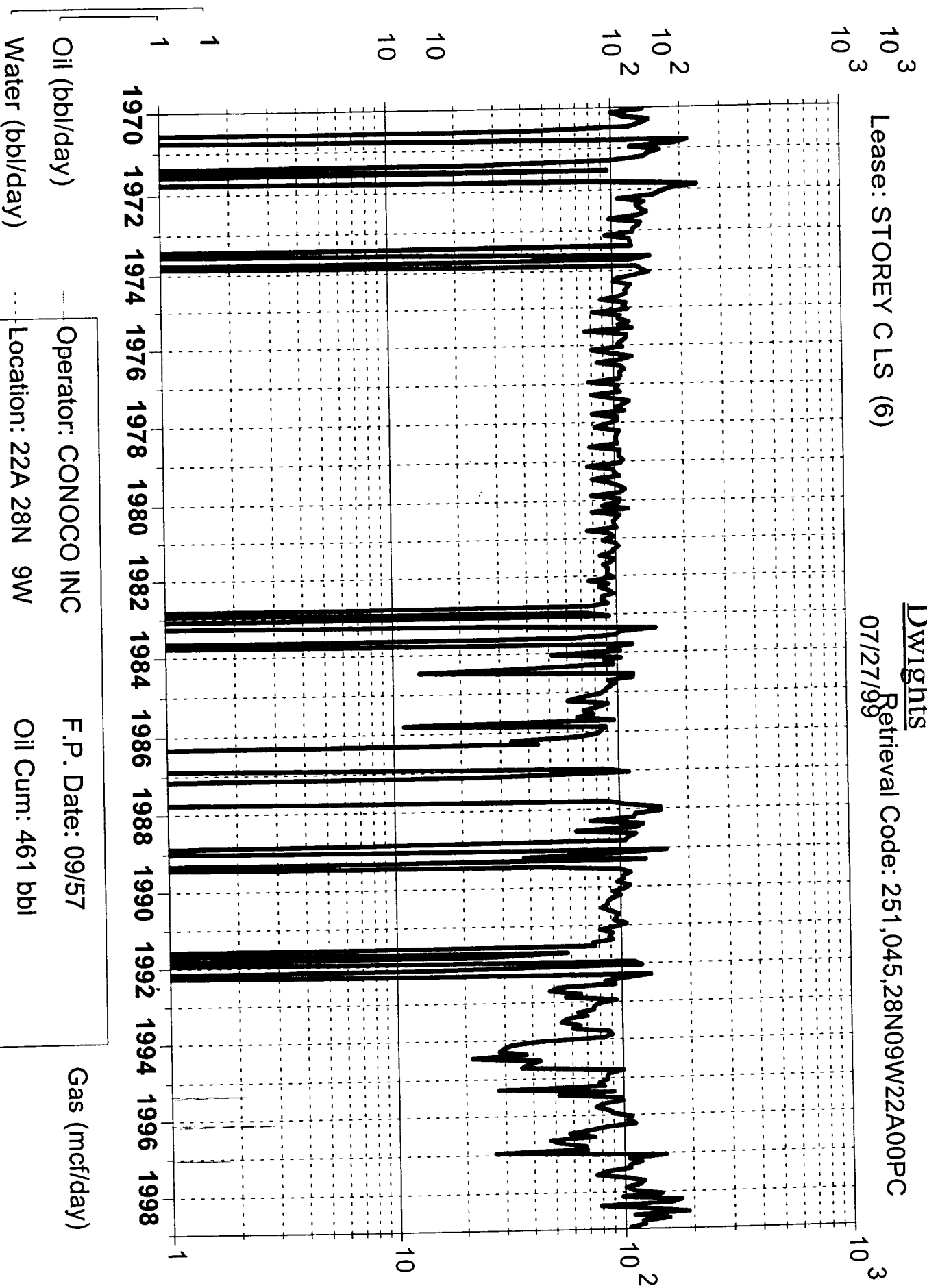
GAS ALLOCATION BASED ON PROJECTED 1999 RATES

OIL ALLOCATION BASED ON WEIGHTED CUM OIL YIELDS

NOTE: ALL PRODUCTION DATA FROM DWIGHTS ENERGYDATA

Lease: STOREY C LS (6)

Dwights
Retrieval Code: 251,045,28N09W22A00PC
07/27/99



Oil (bbl/day)

Water (bbl/day)

Operator: CONOCO INC

Location: 22A 28N 9W

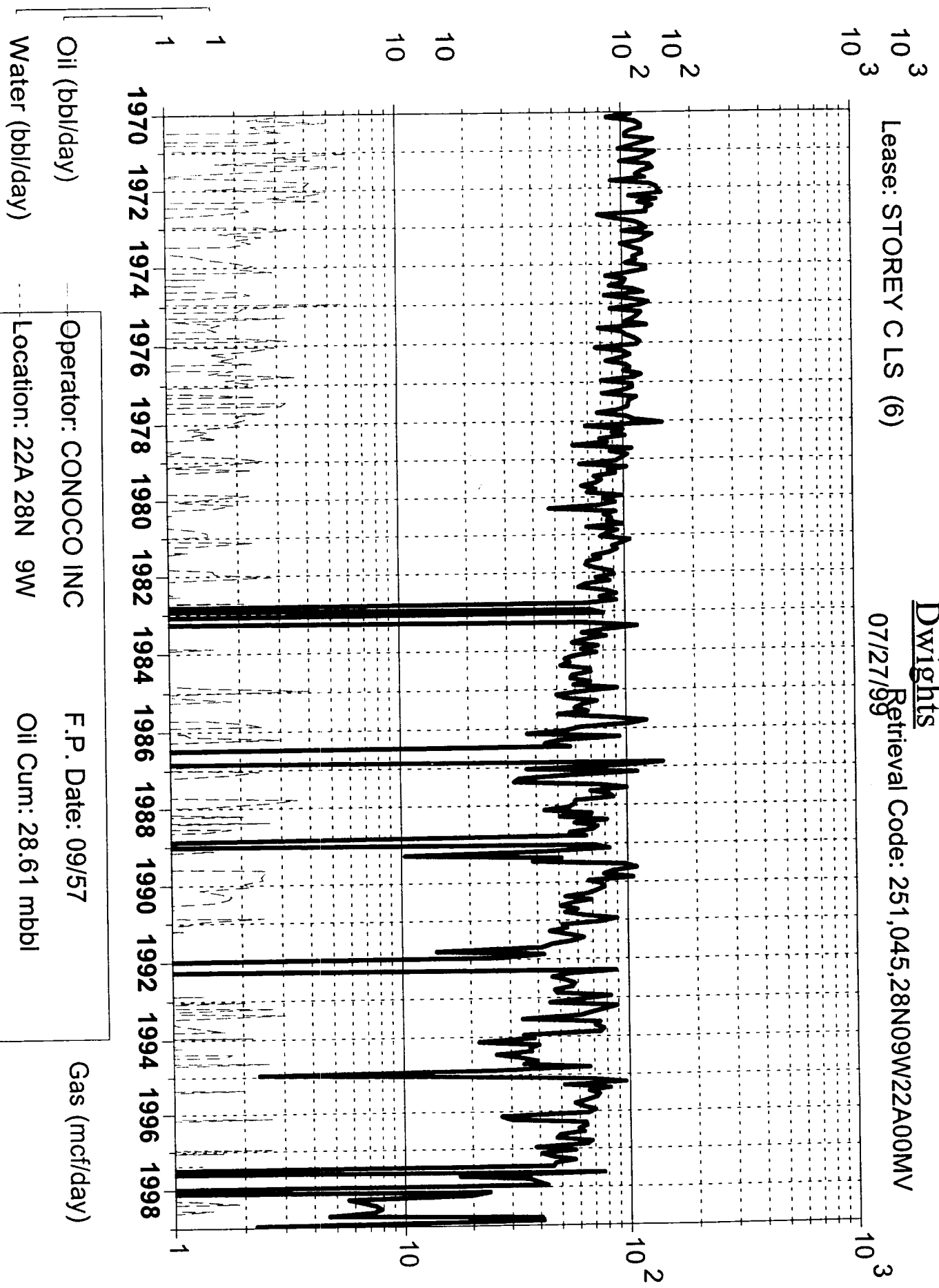
Lower Perf: 2492 ft

Upper Perf: 2450 ft

Gas (mcf/day)

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Lease: STOREY C L S (6)



Oil (bbl/day)

Water (bbl/day)

Operator: CONOCO INC

Location: 22A 28N 9W

Lower Perf: 4828 ft

Upper Perf: 4462 ft

F.P. Date: 09/57

Oil Cum: 28.61 mbbl

Gas Cum: 1466 mmcf

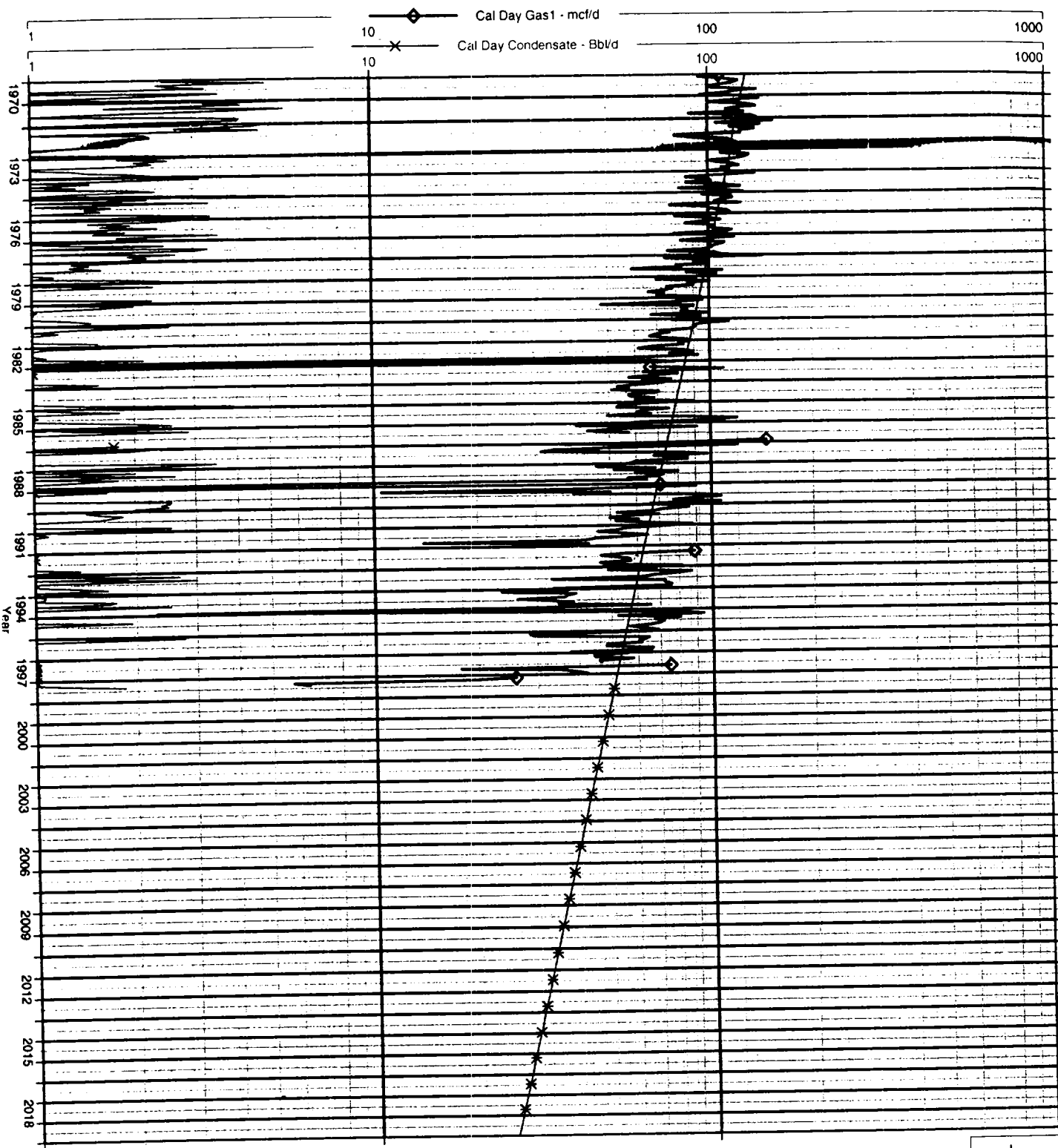
L.P. Date: 02/99

Gas (mcf/day)

STORE Y C L S 6 (251-045-28N09W22A00MV) Data: Jun. 1957-May 1998
 Operator: AMOCO PRODUCTION CO
 Field: BLA NCO (MESAVERDE) MV
 Zone: MESAVERDE
 Type: Gas
 Group: Ea-st Non 28-7

Cal Day Gas FC 1 (Rate-Time)
 qt: 129.86 mcf/d, Jan. 1970
 d(Exp): 3.24157 CTD: 786.728 MMSCF
 RR: 287.208 MMSCF Tot: 1073.94 MMSCF

Production Cums
 Oil: 0 MSTB
 Gas: 786.728 MMSCF
 Water: 0.133 MSTB
 Cond: 12.163 MSTB



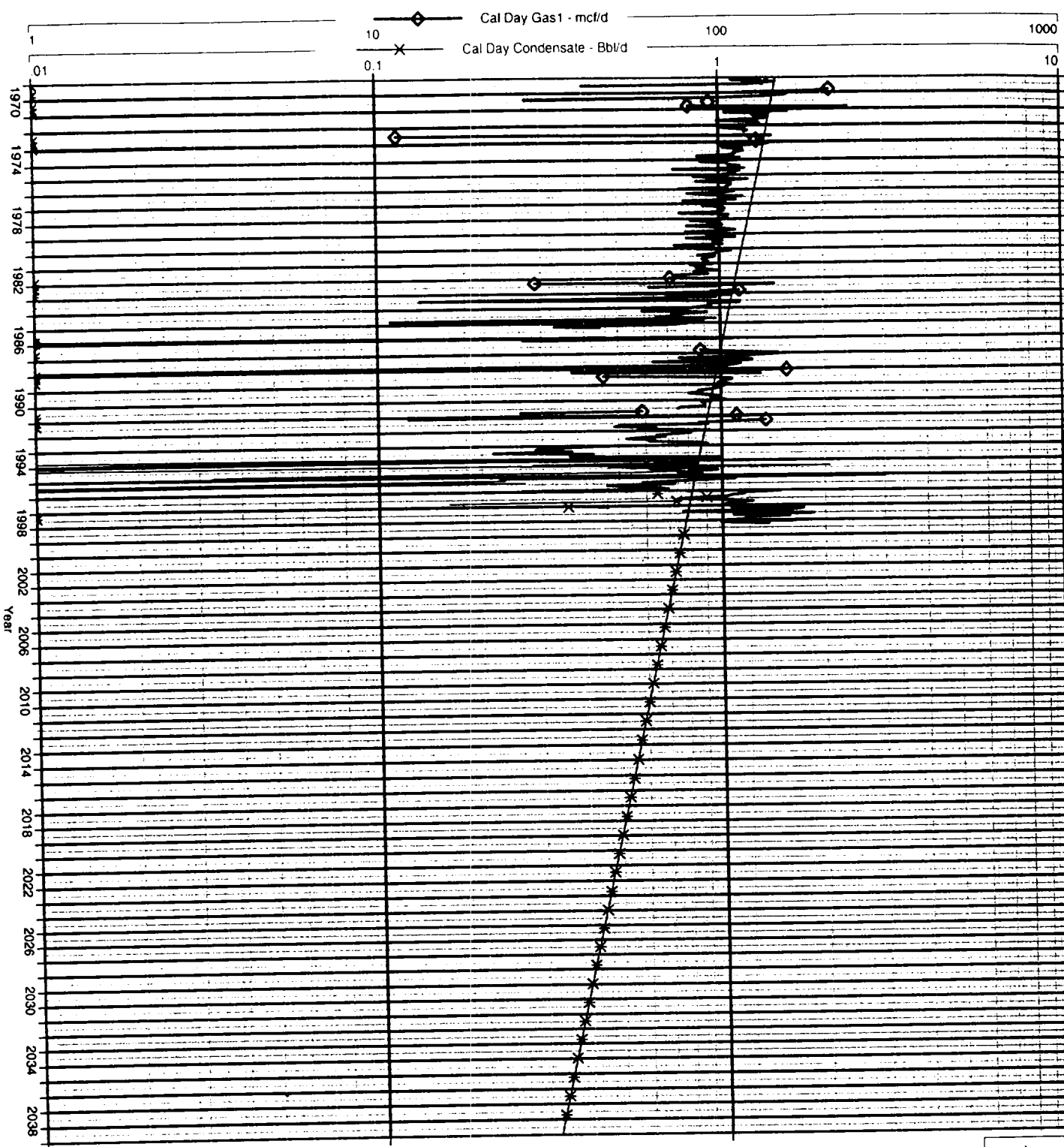
Cal Day Gas1 - mcf/d
 Cum: 786.728 MMSCF
 Cal Day Gas FC 1 - mcf/d
 qt: 129.86 mcf/d, Jan. 1970
 d(Exponential): 3.24157
 RR: 287.208 MMSCF
 EUR: 1073.94 MMSCF
 Cal Day Condensate - Bbl/d
 Cum: 12.163 MSTB

Dec 70 676,701
 <3,349>
 673,352 MCF
 16338
 <93>
 16245 EO

STOREY C L S 6 (251-045-28NU9W22AU0P-C) Data: JUN. 1957 - Mar. 1999
 Operator: AMOCO PRODUCTION CO
 Field: AZTEC (PICTURED CLIFFS)
 Zone: PICTURED CLIFFS
 Type: Other
 Group: East Non 28-7
 Cal Day Gas FC 1 (Rate-Time)
 dt: 147,983 mcf/d, Jan. 1970
 dt: 31,7925 mcf/d, Dec. 2039
 d(Exp): 2.173 CTD: 936,203 MMSCF
 RR: 765,406 MMSCF Tot: 1701.61 MMSCF

Production Cums
 Oil: 0 MSTB
 Gas: 936,203 MMSCF
 Water: 0 MSTB
 Cond: 0.461 MSTB

Cal Day Gas1 - mcf/d
 Cum: 936,203 MMSCF
 Cal Day Gas FC 1 - mcf/d
 Oil: 147,983 mcf/d, Jan. 1970
 dt: 31,7925 mcf/d, Dec. 2039
 d(Exponential): 2.173
 RR: 765,406 MMSCF
 EUR: 1701.61 MMSCF
 Cal Day Condensate - Bbl/d
 Cum: 0.461 MSTB



1970 586,005
 <4,165>
 581,840 mcf

District I
1625 N. French Dr., Hobbs, NM 88240

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811 South First, Artesia, NM 88210

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1000 Rio Brazos Rd., Aztec, NM 87410

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2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Form C-102
Revised March 17, 1999

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

99 SEP 14 PM 1:42

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-07352	² Pool Code 71280, 72319	³ Well Name Aztec Pictured Cliffs, Blanco Mesaverde
⁴ Property Code 22423	⁵ Property Name Storey C LS	⁶ Well Number 6
⁷ OGRID No. 005073	⁸ Operator Name Conoco Inc.	⁹ Elevation 6172

¹⁰ Surface Location

UL or lot no. A	Section 22	Township 28N	Range 9W	Lot Idn	Feet from the 1103'	North/South line North	Feet from the 990'	East/West line East	County San Juan
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¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
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¹² Dedicated Acres 160/320	¹³ Joint or Infill Y	¹⁴ Consolidation Code	¹⁵ Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A
NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

16					17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief Signature <u>Deborah Moore</u> Printed Name Deborah Moore Title Regulatory Analyst Date 08/31/99
					18 SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. Date of Survey Signature and Seal of Professional Surveyer: Certificate Number

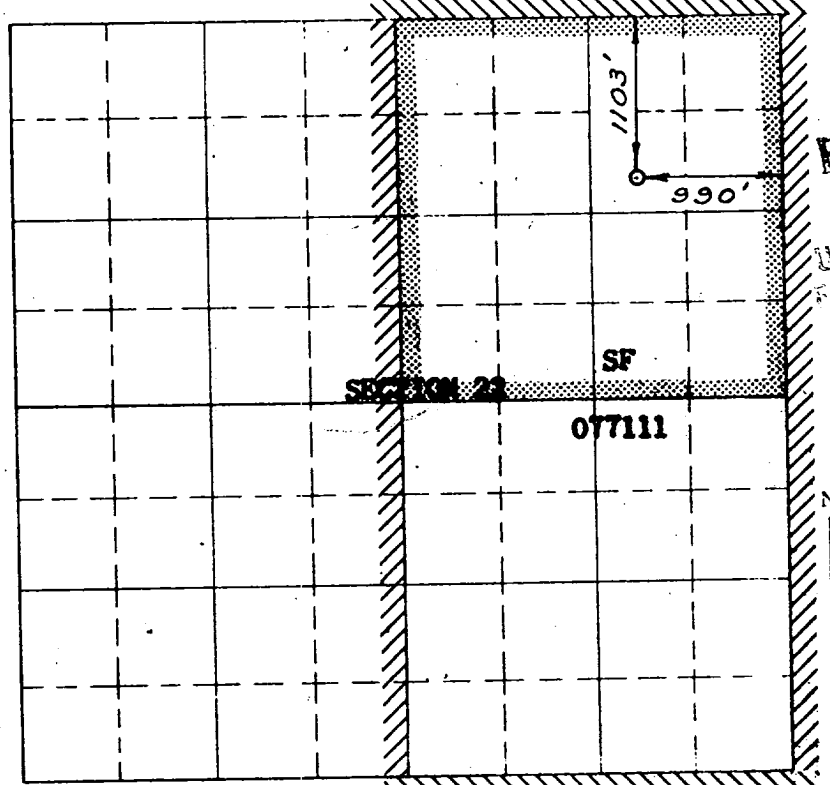
NEW MEXICO
OIL CONSERVATION COMMISSION

WELL LOCATION AND/OR GAS PRORATION PLAT

RECEIVED APRIL 4, 1957

OPERATOR EL PASO NATURAL GAS COMPANY STOREY "C" SF 077111
WELL NO. 6 (PM) SECTION 22 T. 28 N R. 9 W NMMPM
LOCATED 1103 FEET FROM NORTH LINE 990 FEET FROM EAST LINE
SAN JUAN COUNTY, NEW MEXICO ELEVATION 6162
NAME OF LAND OWNERS P.C. & M.V. P.C. AZTEC INC. 160 AC. P.C.
M.V. BLANCO 320 AC. M.V.
(1919 PLAT)

Note: All distances must be measured to center of section.



Scale 4 inches equal 1 mile

RECEIVED
APR 5 1957
U.S. DEPT. OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

NOTE

This section of form is to be used for gas wells only

This is to certify that the above plat was prepared from field notes of actual surveys made by me or under my supervision and that the same are true and correct to the best of my knowledge and belief.

Date Surveyed MARCH 5, 1957

E. O. Walker
Registered Professional Engineer and/or Land Surveyor

1. Is this well a Dual Comp.
Yes X No _____
2. If the answer to Question 1 is yes, are there any other dually completed wells within the dedicated acreage.
Yes _____ No X

Original Signed EWELL N. WALSH
Name _____

Position Petroleum Engineer

Representing El Paso Natural Gas

Address Box 997 - Farmington, N.M.

(Seal)

Farmington, New Mexico

Conditions of Approval

Conoco Inc
Storey C LS No. 6
1103' FNL and 990' FEL
Sec 22-28N-9W

- 1) The following fixed allocations factors are hereby authorized for both oil and gas production from the referenced well:

<u>Formation</u>	<u>Gas</u>	<u>Oil</u>
Mesaverde	23%	96%
Pictured Cliffs	77%	4%

Commingled production from each zone must be reported in accordance to the allocation factors presented above. The effective date of commingling will be the date that down hole commingling actually occurs.

- 2) Prior to commencing down hole commingling operations, file a Sundry Notice of Intent which describes the work necessary to complete the down hole operations including any surface use requirements. In addition, within 30 days of completion of the down hole commingle operations, file an original and three copies of Sundry Notice (form 3160-5), which provides a detailed description of the work conducted.