

DISTRICT I

P. O. Box 1980, Hobbs, NM 88241-1980

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-107-A

New 3-12-96

DISTRICT II

811 South First St., Artesia, NM 88210-2835

OIL CONSERVATION DIVISION2040 S. Pacheco
Santa Fe, New Mexico 87505-6429**APPROVAL PROCESS:**____ Administrative ☒ Hearing**DISTRICT III**

1000 Rio Brazos Rd., Aztec, NM 87410-1693

APPLICATION FOR DOWNHOLE COMMINGLING**EXISTING WELLBORE**☒ YES ____ NO**Enron Oil & Gas Company****P. O. Box 2267, Midland, TX 79702**

Operator

Address

Sand Tank "7" Federal**No. 1****D-6-18-30****Eddy**

Lease

Well No.

Unit Ltr. - Sec - Twp - Rge

County

Spacing Unit Lease Types: (check 1 or more)

OGRID NO. 7377 Property Code 18729 API NO. 30-015-28870 Federal ☒ , State ____ , (and/or) Fee ____

The following facts are submitted in support of downhole commingling:	Upper Zone	Intermediate Zone	Lower Zone
1. Pool Name and Pool Code	Sand Tank (Morrow) 84872		Sand Tank (Chester) 96573
2. Top and Bottom of Pay Section (Perforations)	11,189'-210'		11,673'-693'
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: Estimated Current	(Current) a. 2,300	a.	a. 2,729 (1/5/97)
Gas & Oil - Flowing: Measured Current All Gas Zones: Estimated Or Measured Original	(Original) b. 4,687	b.	b. 5,092
6. Oil Gravity (°API) or Gas BTU Content	1,187		1,246
7. Producing or Shut-In?	Producing		Producing
Production Marginal? (yes or no)	Expected to be		Yes
• If Shut-In, give data 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	Date: Rates:	Date: Rates:	Date: Rates:

Hearing Date: May 15, 1997Submitted by: Enron Oil & Gas CompanyCase No. 11782 Exhibit No. 4

Santa Fe, New Mexico
OIL CONSERVATION DIVISION
BEFORE THE

ENRON OIL & GAS COMPANY

APPLICATION FOR DOWNHOLE COMMINGLING SAND TANK "7" FEDERAL NO. 1

RULE 303.D STATEMENTS

- 7(b). This well is currently dual completed. The Morrow production has fallen steeply due to liquid loading in the casing-tubing annulus. The Chester is marginal in that its reserves and producing rate do not warrant delaying or reducing the Morrow production through dual completion restraints. EOG expects the Morrow production to increase 300 to 500 MCFD as a result of producing it through the tubing.
9. A recommended allocation formula will be presented to the District Supervisor once a stabilized production response is apparent.

RULE 303.E

EOG requests that this case be considered a reference case for the downhole commingling of the Chester and Morrow production in this area. Currently two other wells have marginal Chester (200 to 300 MCFD) that will need authority in the future.

District I
PO Box 1980, Hobbs, NM 88241-1980
District II
PO Drawer DD, Artesia, NM 88211-0719
District III
1000 Rio Brazos Rd., Artec, NM 87410
District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

Form C-102
Revised February 21, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number		*Pool Code	*Pool Name Sand Tank Strawn/Morrow
*Property Code	*Property Name SAND TANK "7" FEDERAL COM.		*Well Number 1
*OGRID No. 7377	*Operator Name ENRON OIL & GAS COMPANY		*Elevation 3526'

¹⁰ Surface Location

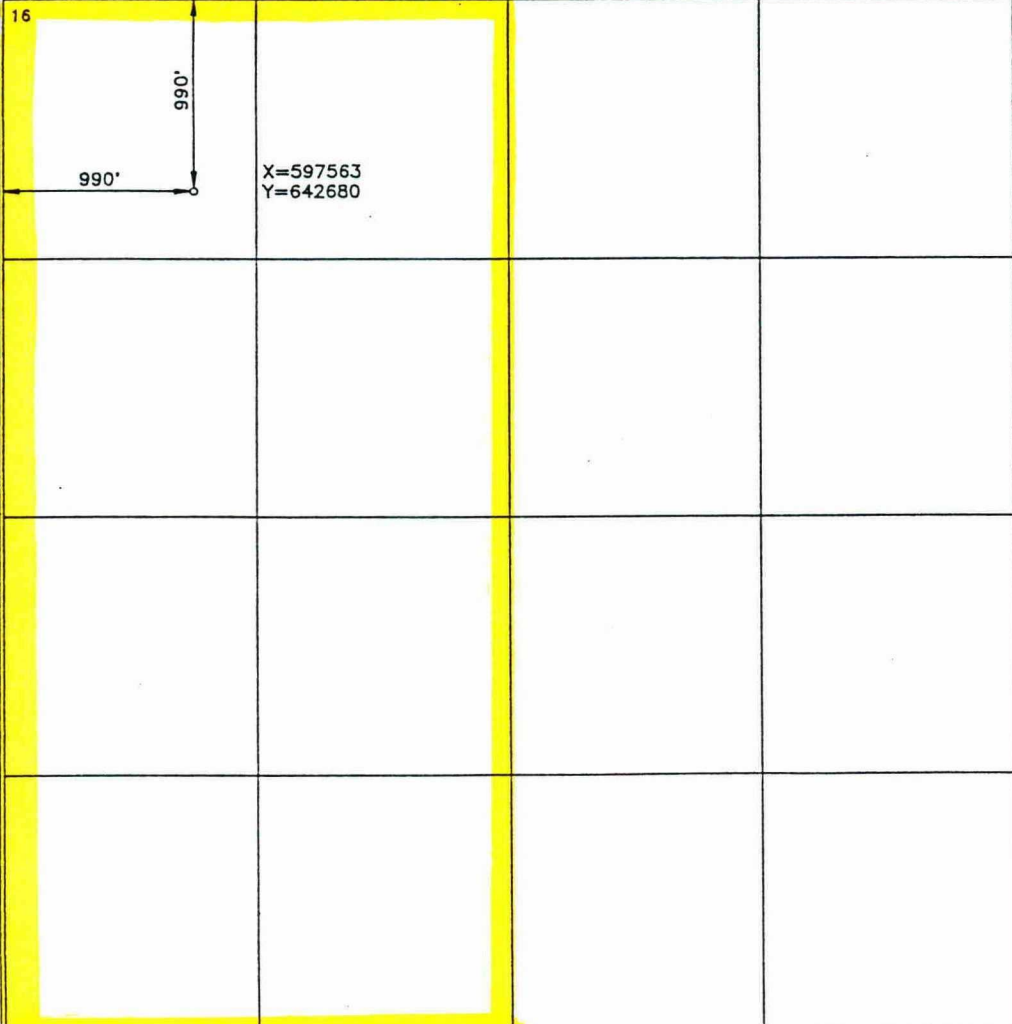


UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
1	7	18-S	30-E		990	NORTH	990	WEST	EDDY

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

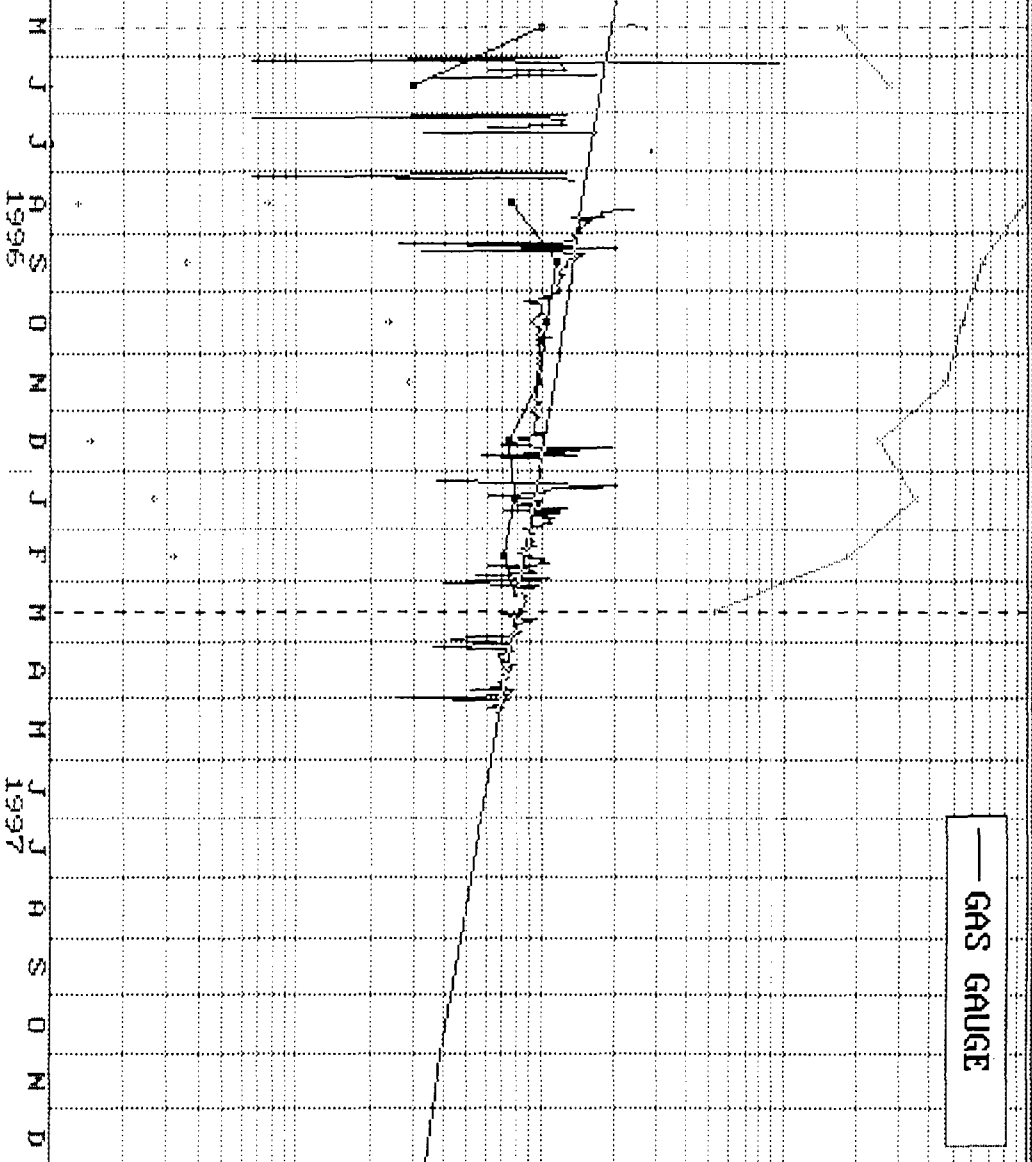
*Dedicated Acres 320 W $\frac{1}{2}$	*Joint or Infill	*Consolidation Code	*Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

	¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.  Signature Betty Gildon Printed Name Regulatory Analyst Title 2/5/96 Date
	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 best of my belief. JANUARY 30, 1996 Date of Survey Signature and Seal of Professional Surveyor  Certificate Number 8278

1 10 100 1000 10000
 10 100 1000 10000 100000
 0.01 0.1 1 10
 * WATER
 * OIL/GAS
 * GAS
 * OIL

SAND TANK 7 FED COM : 1 (CHS) : SAND TANK



— GAS GAUGE

Prop 297

- ☐ OIL /d
- ☒ GAS /d
- ☐ OIL/GAS
- ☐ WATER /d

RateTime
Semi Log

EUR 489,111

Cum 229,461

Rem 259,650

Rem% 53.1%

Yrs 2.59

Date 3/1/1997

act 25,002

qmo 24,483

q 827

n 0

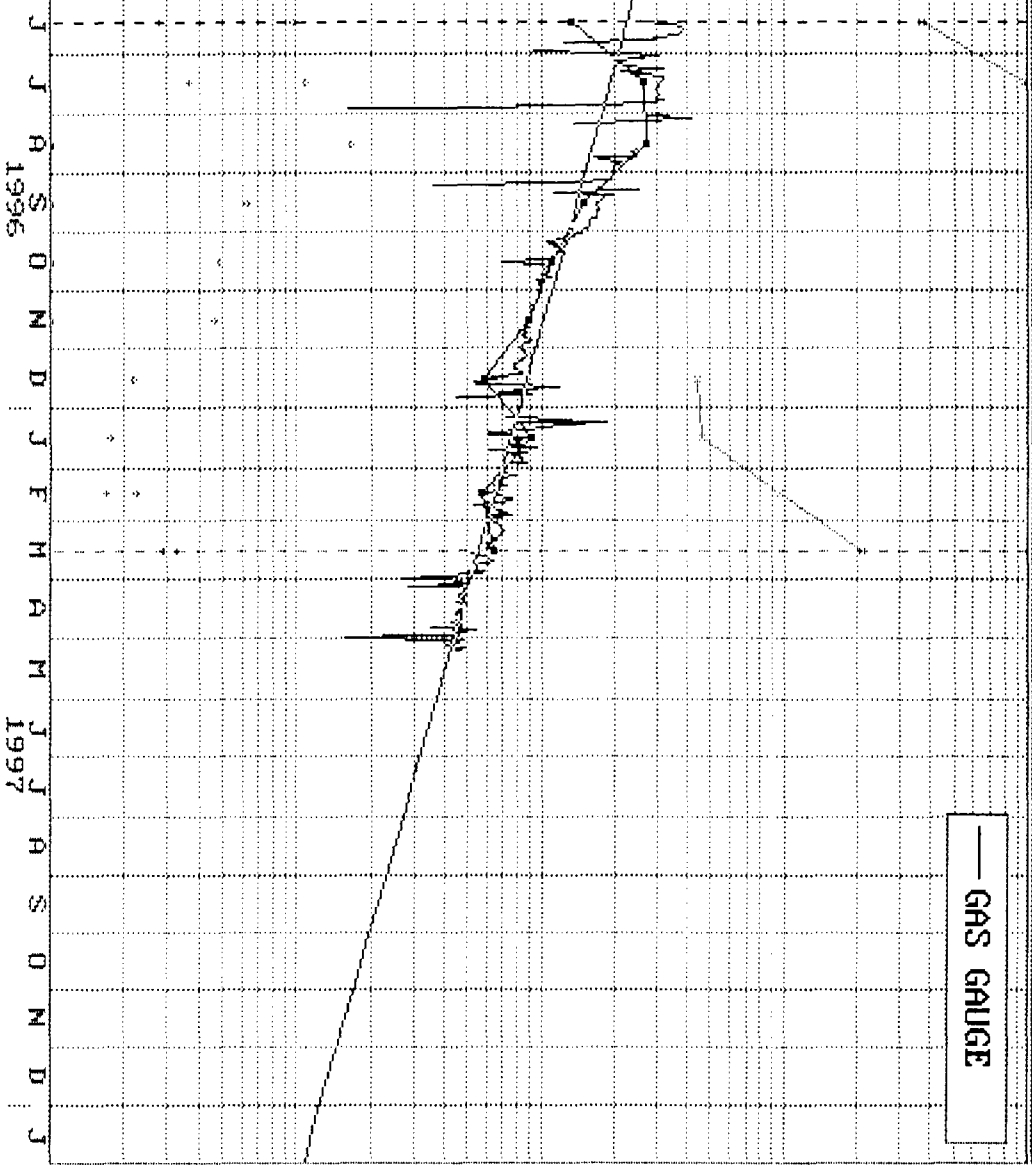
De 66.508

qab 50

Major = GAS

1 10 100 1000
 10 100 1000 10000
 10 100 1000 10000
 0.01 0.1 1 10
 • WATER
 • OIL/GAS
 • GAS
 • OIL

SAND TANK 2 FED COM : 1 (MOR) : SAND TANK



— GAS GAUGE

Prop 296

- ☐ OIL /d
- ☒ GAS /d
- ☐ OIL/GAS
- ☐ WATER /d

 RateTime
 Semi Log

EUR 485,533

Cum 376,451

Rem 109,082

Rem% 22.5%

Yrs 1.33

Date 3/1/1997

act 19,471

Qmo 17,178

Q 599.5

n 0

De 84.688

Qab 50

Major = GAS

WELL SCHEMATIC

