

DHC 1/9/97

DISTRICT I

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

DISTRICT II

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

DISTRICT III

1000 Rio Brazos Rd, Aztec, NM 87410-1693

State of New Mexico
Energy, Minerals and Natural Resources Department

DEC 20 1996 OIL CONSERVATION DIVISION

2040 S. Pacheco
Santa Fe, New Mexico 87505-6429Form C-107-A
New 3-12-96

APPROVAL PROCESS:

☒ Administrative ☐ Hearing

EXISTING WELLBORE

☒ YES ☐ NO

APPLICATION FOR DOWNHOLE COMMINGLING

Conoco Inc.

10 Desta Dr, Ste 100W, Midland TX 79705

Operator

Address

Buttram Federal

5

P-17-26N-6W

Rio Arriba

Lease

Well No.

Unit Ltr. - Sec - Twp - Rge

County

OGRID NO. 005073

Property Code 003146

API NO. 30-039-20553

Spacing Unit Lease Types: (check 1 or more)

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	So. Blanco Pictured Cliffs - 72439		Otero Chacra 82329
2. Top and Bottom of Pay Section (Perforations)	2628' - 2699'		3518' - 3622'
3. Type of production (Oil or Gas)	Gas		Gas
4. Method of Production (Flowing or Artificial Lift)	Expected to Flow		Flowing
5. Bottomhole Pressure Oil Zones - Artificial Lift: Gas & Oil - Flowing: All Gas Zones: Estimated Current Measured Current Estimated Or Measured Original	a. (Current) 250 psia b. (Original) 924 psia	a. b.	a. 160 psia b. 1024 psia
6. Oil Gravity ($^{\circ}$ API) or Gas BTU Content	1209 BTU		1199 BTU
7. Producing or Shut-In?	Recomplete		Producing
Production Marginal? (yes or no)	Yes		Yes
* 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	Date: Rates:	Date: Rates:	Date: Rates:
* If Producing, give date and oil/gas/water rates of recent test (within 60 days)	Date: Incremental Rates: Production by Subtraction	Date: Rates:	Date: mid-year Rates: avg. Rates -- See Table
8. Fixed Percentage Allocation Formula - % for each zone	Oil: NA % Gas: NA %	Oil: % Gas: %	Oil: NA % Gas: NA %

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
Have all offset operators been given written notice of the proposed downhole commingling? ☒ Yes ☐ No11. 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 ☐ No13. 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:

- * C-102 for each zone to be commingled showing its spacing unit and acreage dedication.
- * Production curve for each zone for at least one year. (If not available, attach explanation.)
- * For zones with no production history, estimated production rates and supporting data.
- * Data to support allocation method or formula.
- * Notification list of all offset operators.
- * Notification list of working, overriding, and royalty interests for uncommon interest cases.
- * Any additional statements, data, or documents required to support commingling.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

Sr. Conservation

SIGNATURE Jerry W. Hoover TITLE Coordinator DATE 12/17/96TYPE OR PRINT NAME Jerry W. Hoover TELEPHONE NO. (915) 686-6548

NE EXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102
Supersedes C-128
Effective 1-1-65

All distances must be from the outer boundaries of the Section.

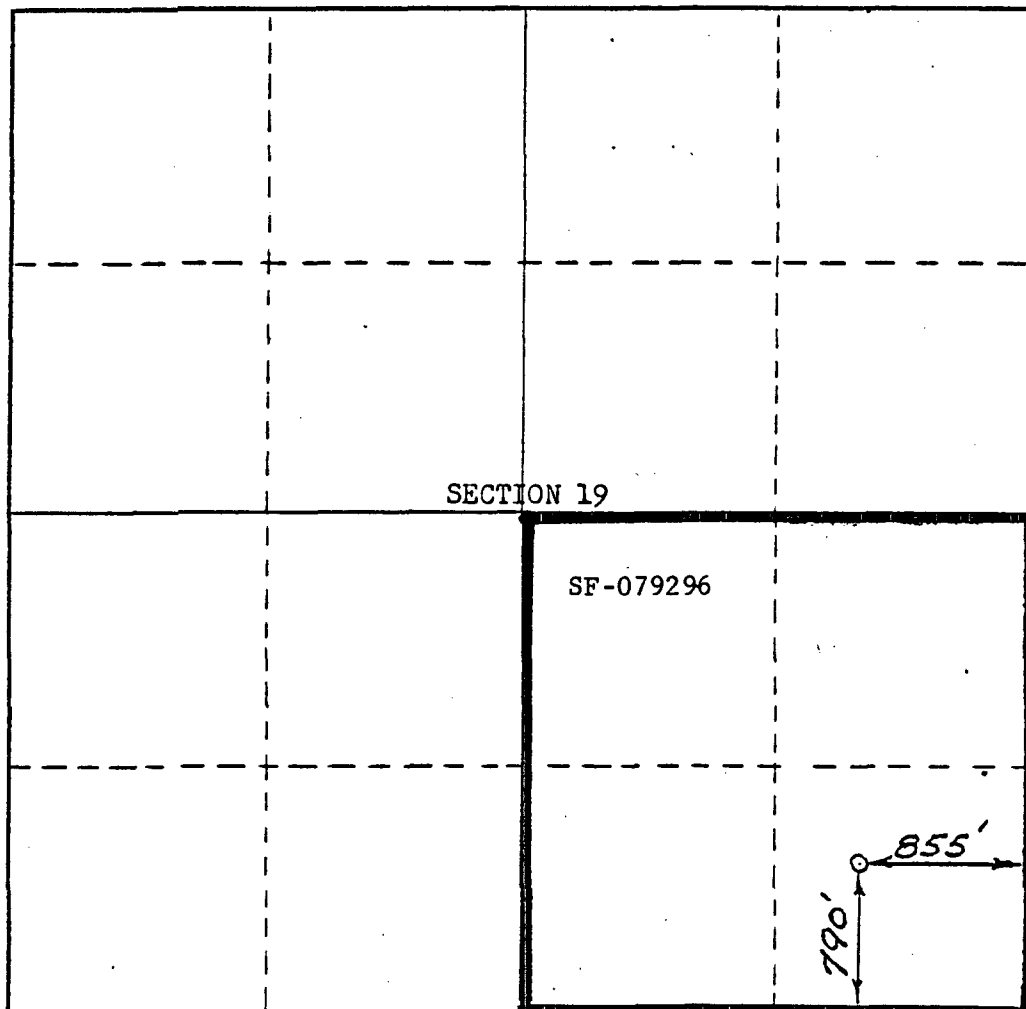
Operator PUBCO PETROLEUM CO.		Lease BUTTRAM FEDERAL		Well No. 5	
Unit Letter P	Section 19	Township 26 N	Range 6 W	County RIO ARRIBA	
Actual Footage Location of Well: 790 feet from the south line and 855 feet from the east line					
Ground Level Elev. 6444	Producing Formation Otero Chacra	Pool Otero	Dedicated Acreage: SE¹ (160) Acres		

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☐ No If answer is "yes," type of consolidation NA

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) NA

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Charles W. Sanders

Name
Charles W. Sanders

Position
Area Production Manager

Company
Pubco Petroleum Corporation

Date
August 15, 1972

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 knowledge and belief.

May 17, 1972

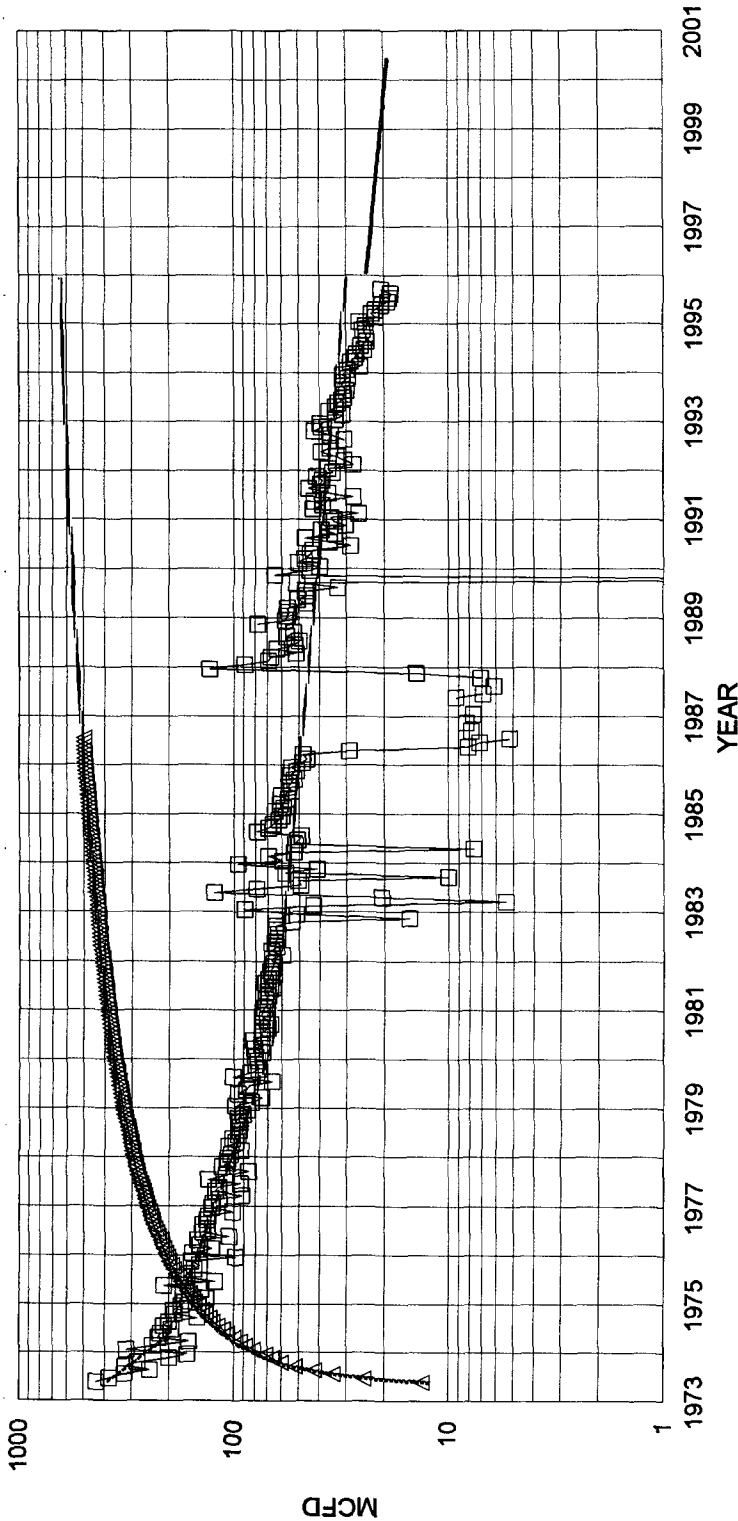
Date Surveyed
Stephen H. Kinney

Registered Professional Engineer
and/or Land Surveyor

Stephen H. Kinney

Certificate No.
N.M. 803

BUTTRAM FED. 5 CHACRA
SECTION 19P-26N-6W



— FIT MCFD □ ACTUAL MCFD △ ACTUAL CUM MMCF
— FIT CUM MMCF — CURRENT RATE PROJECTION

ACTUAL GAS CUM TO 9/95: 608 MMCF

CURVE FIT EUR:		PROJECTED FOR COMMINGLE: (SUBTRACTION)	
748 MMCF EUR	410 MCFD IP	23 MCFD Qi 10/1/96	YEAR MID YR MCFD
611 MMCF IN 20 YRS	50% DECLINE, 1ST 12 MONTHS	5.0% FINAL DECLINE	1996 23
15 MCFD E.L.	17% DECLINE, NEXT 72 MONTHS		1997 22
0.0000 bbl/mcf oil yield	5% FINAL DECLINE		1998 21
			1999 20

BUTTRAM FEDERAL NO. 5 CHACRA PRODUCTION

Unit P, Sec. 17, T-26N, R-6W

ANNUAL MID-YEAR CHACRA PRODUCTION RATES TO ABANDONMENT

@ 5 % Annual Decline

YEAR	Mid-Year Avg. MCFGPD	Mid-Year Avg. BOPD
1996	23	0.1
1997	22	0.1
1998	21	0.1
1999	20	0.1
2000	19	0.1
2001	18	0.1
2002	17	0.1
2003	17	0.0
2004	16	0.0
2005	15	0.0
2006	15	0.0
2007	14	0.0
2008	13	0.0
2009	13	0.0
2010	12	0.0
2011	12	0.0
2012	11	0.0
2013	11	0.0
2014	10	0.0
2015	10	0.0
2016	9	0.0
2017	9	0.0
2018	8	0.0
2019	8	0.0
2020	8	0.0
2021	7	0.0
2022	7	0.0
2023	7	0.0
2024	6	0.0

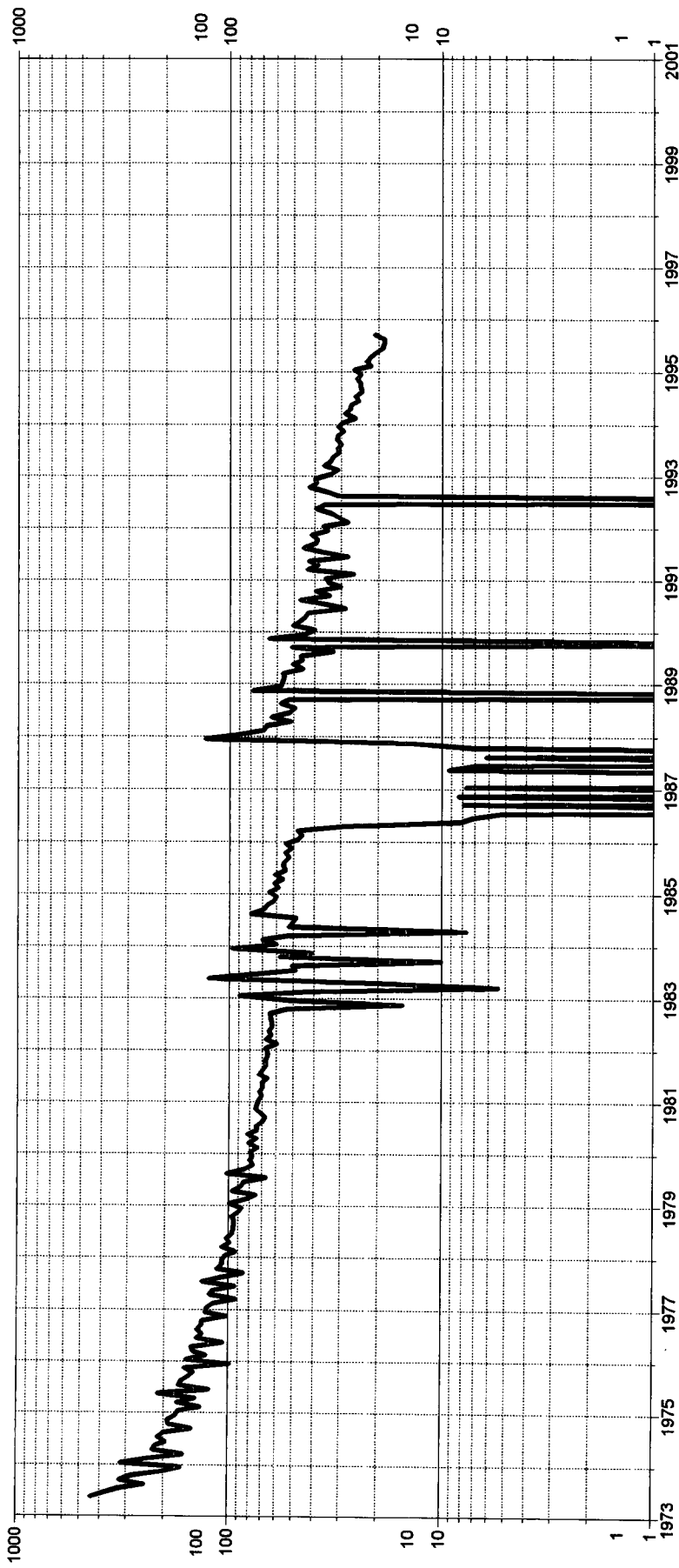
Dwights

1000 Lease: BUTTRAM FEDERAL 000005

Retrieval Code: 251,039,26N06W19P00C

1000

1000



County: RIO ARriba

Field: OTERO (CHACRA) CK

Reservoir: CHACRA

Operator: CONOCO INC

State: NM

Oil Cum: 0 bbl

Gas Cum: 608026 mcf

Location: 19P 26N 6W

F.P. Date: 05/73

Date: 04/08/96

Water (bbl/day)

Gas (mcf/day)

Well Count

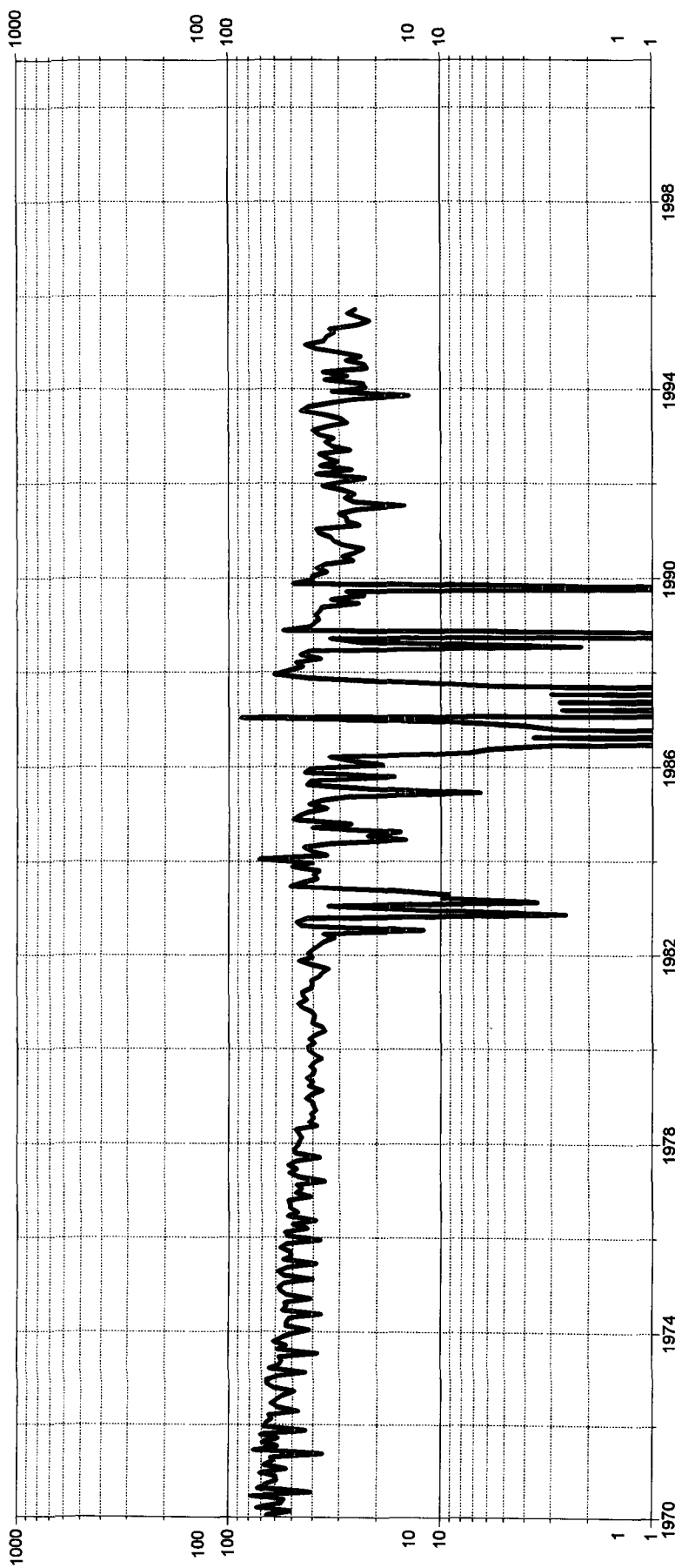
Oil (bbl/day)

Dwights

1000 Lease: BUTTRAM 000001

Retrieval Code: 251,039,26N06W19J00P

1000



County: RIO ARriba

Field: BLANCO SOUTH (PICTURE CLIFFS) PC

Reservoir: PICTURE CLIFFS

Operator: CONOCO INC

State: NM

Oil Cum: 0 bbl

Gas Cum: 847406 mcf

Location: 19J 26N 6W

F.P. Date: 01/54

Water (bbl/day)

Gas (mcf/day)

Date: 04/08/96

Well Count

Oil (bbl/day)

BUTTRAM FEDERAL 5

OFFSET OPERATORS

13

CAULKINS OIL CO

18

CAULKINS OIL CO

17

CAULKINS OIL CO
CONOCO, INC.

24

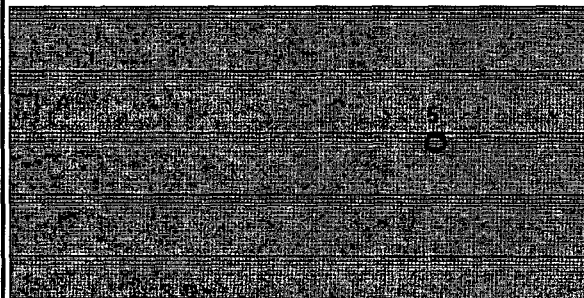
CAULKINS OIL CO
MERIDIAN OIL INC
EL PASO NATURAL GAS

T26NR7W

19

AMOCO PRODUCTION
CONOCO, INC.

T26NR6W



20

EL PASO NATURAL GAS

25

CENTRAL RESOURCE
LITTLE CURTIS J

30

MERIDIAN OIL INC

29

MERIDIAN OIL INC
EL PASO NATURAL GAS

Township 26N — Range 6W