

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

OIL CONSERVATION DIVISION

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

Form 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. 79705-4500

Operator

Address

Johnston A

I

Section 17, T-28-N, R-9-W, P

San Juan

Lease

Well No

Unit Ltr Sec Twp Rge

County

Spacing Unit Lease Types (check 1 or more)

OGRID NO. 005073

Property Code

API NO.

30-045-11894

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	Blanco Mesaverde 72319		Basin Dakota 71599
2. TOP and Bottom of Pay Section (Perforations)	4506-5056'		7013-7078'
3. Type of production (Oil or Gas)	Gas		Gas
4. Method of Production (Flowing or Artificial Lift)	To Flow		Flowing
5. Bottomhole Pressure Oil Zones - Artificial Lift: Estimated Current Gas & Oil - Flowing: Measured Current All Gas Zones: Estimated Or Measured Original	a (Current) 563 b(Original) 1175		a. 715 b. 2423
6. Oil Gravity (*API) or Gas BT Content	1335		1268
7. Producing or Shut-In?	To be completed		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 • If Producing, date and oil/gas/ water rates of recent test (within 60 days)	Date Rates Production allocated by Subtraction - See Attached Table	Date Rates Date Rates	Date Rates EST 1/98 46 MCFD, 0.6 BOPD, 0 BWPD
8. Fixed Percentage Allocation Formula - % for each zone	oil % Gas %	oil % Gas %	oil % Gas %

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 ☐ 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 others ☒ 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

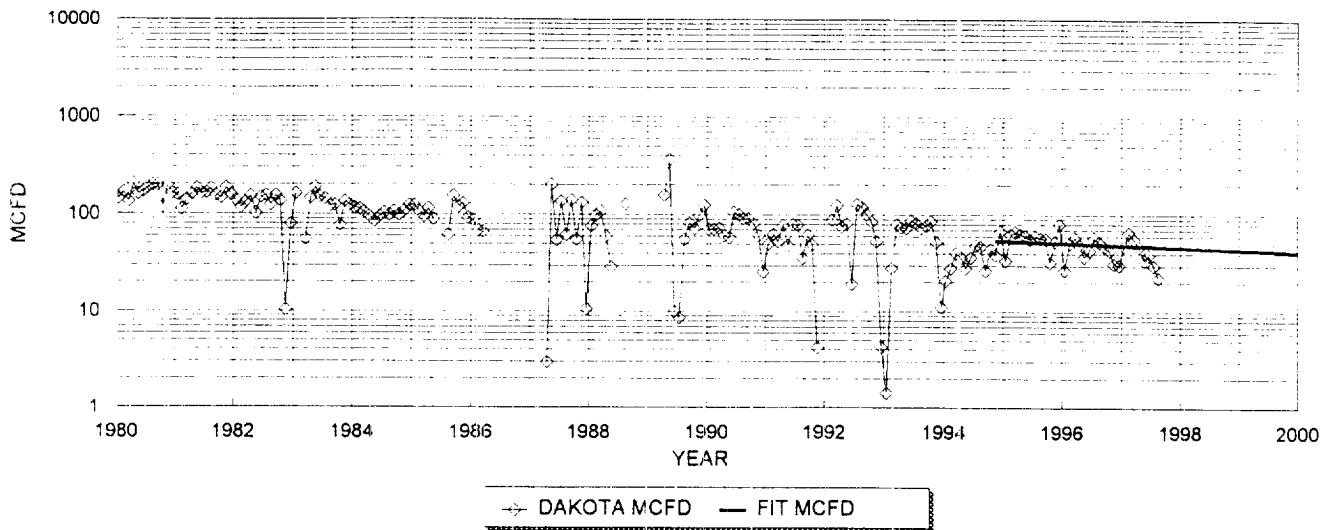
- * C-102 for each zone to be commingled showing its spacing unit and acreage dedication.
- * Production curve for each zone for at least one year. (If not available, attach explanation.)
- * For zones with no production history, estimated production rates and supporting data.
- * Data to support allocation 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.

SIGNATURE Kay Maddox TITLE Regulatory Agent DATE 2/25/98

TYPE OR PRINT NAME Kay Maddox TELEPHONE NO. (915) 686-5798

JOHNSTON A #1 DAKOTA PRODUCTION
SECTION 17P-28N-09W



DAKOTA HISTORICAL DATA:		1ST PROD: 05/67	DAKOTA PROJECTED DATA	
OIL CUM:	15.23	MBO	1/1/98 QI:	46 MCFD
GAS CUM:	1314.8	MMCF	DECLINE RATE:	5.0% (EXPONENTIAL)
CUM OIL YIELD:	0.0116	BBL/MCF		
OIL YIELD:	0.0151	BBL/MCF, LAST 3 YRS		
AVG. USED:	0.0133	BBL/MCF		
Note: "OIL CUM & GAS CUM" are since 1/70.				

YEAR	MID-YEAR	MID-YEAR
	AVG. MCFD	AVG. BOPD
1998	44.8	0.6
1999	42.6	0.6
2000	40.5	0.5
2001	38.4	0.5
2002	36.5	0.5
2003	34.7	0.5
2004	33.0	0.4
2005	31.3	0.4
2006	29.7	0.4
2007	28.3	0.4
2008	26.8	0.4
2009	25.5	0.3
2010	24.2	0.3
2011	23.0	0.3
2012	21.9	0.3
2013	20.8	0.3
2014	19.7	0.3
2015	18.7	0.3
2016	17.8	0.2
2017	16.9	0.2
2018	16.1	0.2
2019	15.3	0.2
2020	14.5	0.2
2021	13.8	0.2
2022	13.1	0.2
2023	12.4	0.2
2024	11.8	0.2
2025	11.2	0.1
2026	10.7	0.1
2027	10.1	0.1
2028	9.6	0.1
2029	9.1	0.1
2030	8.7	0.1
2031	8.3	0.1
2032	7.8	0.1

PRODUCTION FORECAST FOR SUBTRACTION METHOD COMMINGLE ALLOCATION

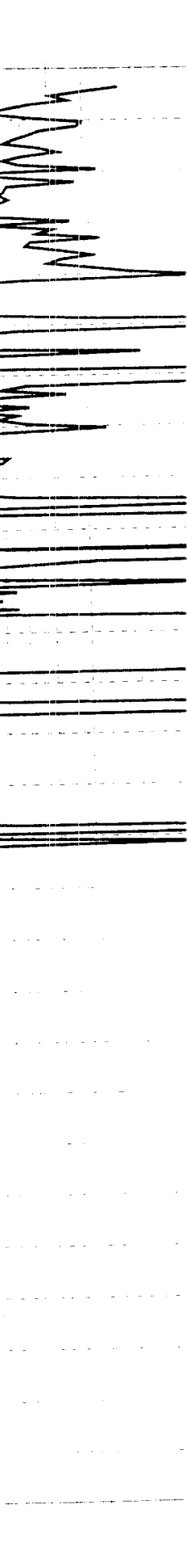
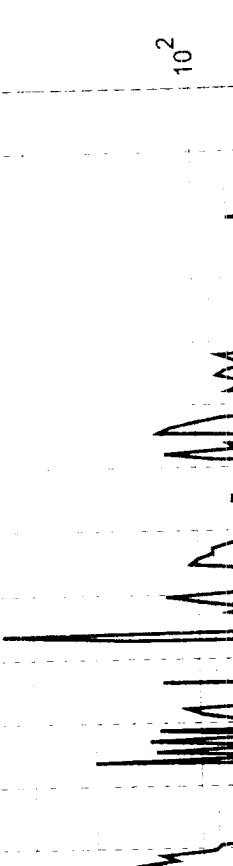
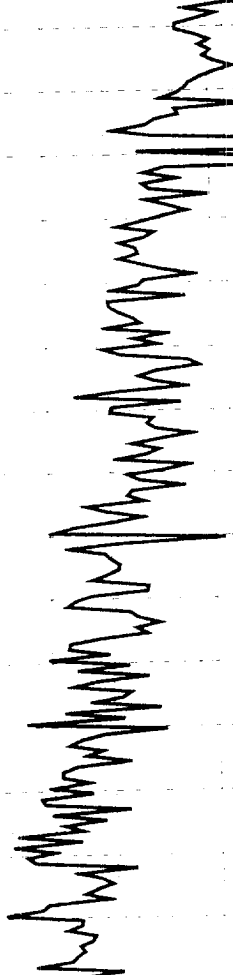
Dwights

Retrieval Code: 251.045.28N09W17P00DK

Lease: JOHNSTON A (1)

01/21/98

10³
10³
10³



10
10

10²

10³

1
1

1
1

Gas (mcf/day)

Oil (bbl/day)

Water (bbl/day)

F.P. Date: 05/67

County: SAN JUAN, NM

Field: BASIN (DAKOTA) DK

Reservoir: DAKOTA

Operator: AMOCO PRODUCTION CO

Oil Cum: 21.50 mbbbl

Gas Cum: 1782 mmcf

Location: 17P 28N 9W

District I
PO Box 1980, Hobbs, NM 88241-1980

State of New Mexico
Energy, Minerals & Natural Resources Department

Revised February 21, 1994
instructions on back

District II
PO Drawer DD, Artesia, NM 88211-0719

OIL CONSERVATION DIVISION

Submit to Appropriate District Office

District III
1000 Rio Brazos Rd. Aztec, NM 87410

PO Box 2088
Santa Fe, NM 87504-2088

State Lease - 4 Copies

District IV
PO Box 2088, Santa Fe, NM 87504-2088

Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 30-045-11894		2 Pool Code 72319		3 Pool Name Blanco Mesaverde	
4 Property Code		5 Property Name Johnston A			6 Well Number 1
7 OGRID No. 005073		8 Operator Name Conoco Inc., 10 Desta Drive, Ste. 100W, Midland, TX 79705-4500			9 Elevation 6274'

10 Surface Location

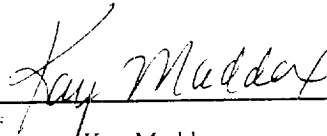
UL or lot no	Section	Township	Range	Lot 1 on	Feet from the	North/South line	Feet from the	East/West line	County
P	17	28N	9W		890	South	790	East	San Juan

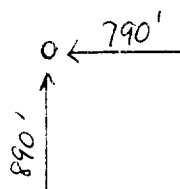
11 Bottom Hole Location If Different From Surface

UL or lot no	Section	Township	Range	Lot 1 on	Feet from the	North/South line	Feet from the	East/West line	County

12 Dedicated Acres 320	13 Joint or Infill	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

<div>16</div>					<div>17 OPERATOR CERTIFICATION</div> <div>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief</div> <div></div> <div>Signature: Kay Maddox</div> <div>Printed Name: Regulatory Agent</div> <div>Title: 2/25/98</div> <div>Date:</div> <div>18 SURVEYOR CERTIFICATION</div> <div>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.</div> <div>Date of Survey:</div> <div>Signature and Seal of Professional Surveyor:</div> <div>Certificate Number:</div>



Form 1-1-1
Supersedes C-12A
Effective 1-1-1

Owner TERRACE OIL COMPANY		Lease JOHNSTON "A"		Well No. 1
Well Letter P	Section 17	Township 28 North	Range 9 West	County San Juan
General Location of Well: 980 890 feet from the South line and 790 feet from the East line				
Ground Level Elev. 6274' ungraded	Producing Formation Basin Dakota	Pool Basin Dakota	Drillated Acres 320 Acres	

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

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.

Section 17

790'

890'

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

Name Harold C. Nichols

Position

Senior Production Clerk

Company

Tenneco Oil Company

Date _____

October 25, 1965

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.

6 October 1965

[illegible]

Robert H. Ernst

Ver. 4.33 2153

Wheat Engineering Company, Durango, Colorado

Coroco, Inc.
10 Desta Dr Ste 100W
Midland, TX 79705

Re: Application to Downhole Commingle C-107A
Johnston A #1, Section 17, T-28-N, R-9-W, P
San Juan County, New Mexico

Notification Of Offset Operators:

Amoco
PO Box 800
Denver, CO 80201

Burlington Resources
PO Box 4289
Farmington, NM 87499

West Largo Corp.
6638 W. Ottawa Ave STE 100
Littleton, Co 80123

S&G Interests
811 Dallas STE 1505
Houston, TX 77002