



Southern
Rockies
Business
Unit

April 10, 1996

Mr. William J. LeMay, Director
New Mexico Oil Conservation Division
2040 S. Pacheco Street
P. O. Box 6429
Santa Fe, NM 87505

RECEIVED
APR 17 1996
OIL CON. DIV.
DIST. 3

Application for Exception to Rule 303-C - Downhole Commingling
Lackey B LS #8 Well
Unit M Section 20-T28N-R9W
Aztec Pictured Cliffs and Blanco Mesaverde Pools
San Juan County, New Mexico

Enclosed please find an administrative application form (C-107-A) and attachments for downhole commingling for the captioned well. By copy of this application by certified mail, return receipt requested, Amoco is notifying all offset operators in the formations captioned above as well as all affected interest owners if the ownership of those formations is not common. The Division Director may approve the proposed downhole commingling in the absence of a valid objection from any offset operator or any interest owner in those instances where ownership is not common in the zones to be commingled within 20 days after the receipt of the application if, in his opinion, waste will not result thereby, and correlative rights will not be violated.

Should there be questions concerning this matter, please contact me at (303) 830-5344.

Sincerely,


Pamela W. Staley

Enclosures

cc: Steve Webb
Gail Jefferson
Wellfile
Proration File

Frank Chavez, Supervisor
NMOCD District III
1000 Rio Brazos Road
Aztec, NM 87410

Duane Spencer
Bureau of Land Management
1235 La Plata Hwy.
Farmington, NM 87401

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

OIL CONSERVATION DIVISION

APPROVAL PROCESS:

DISTRICT II
811 South First St., Artesia, NM 88210-2635

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

☒ Administrative ☐ Hearing

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

APPLICATION FOR DOWNHOLE COMMINGLING

EXISTING WELLBORE
☒ YES ☐ NO

Amoco Production Company		P.O. Box 800 Denver, CO 80201	
Operator		Address	
Lackey B LS	8	M-20-28N-9W	San Juan
Lease	Well No.	Unit Ltr. - Sec Twp - Rge	County

Spacing Unit Lease Types: (check 1 or more)

OGRID NO. 000778 Property Code 000784 API NO. 3004513254 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	AZTEC PICTURED CLIFFS 71280		BLANCO MESAVERDE 72319
2. Top and Bottom of Pay Section (Perforations)	2040' - 2082'		4288' - 4424'
3. Type of production (Oil or Gas)	GAS		GAS
4. Method of Production (Flowing or Artificial Lift)	FLOWING		FLOWING
5. Bottomhole Pressure	(Current) a. 242 PSI	a.	a. 409 PSI
Oil Zones - Artificial Lift: Gas & Oil - Flowing: All Gas Zones: Estimated Current Measured Current Estimated or Measured Original	(Original) b. 1258 PSI	b.	b. 1249 PSI
6. Oil Gravity (* API) or Gas BTU Content	1117 BTU		1288 BTU
7. Producing or Shut-In?	PRODUCING		PRODUCING
Production Marginal? (yes or no)	YES		YES
• If Shut-In, give data and oil/gas/water rates of last production	Date: Rates:	Date: Rates:	Date: Rates:
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	Date: Rates: 3/96 80 MCFD n g r e n	Date: Rates:	Date: Rates: 3/96 30 MCFD

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

2040 S. Pacheco
Santa Fe, New Mexico 87505-8429

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

OIL CONSERVATION DIVISION
APPLICATION FOR DOWNHOLE COMMINGLING

APPROVAL PROCESS:

☒ Administrative ☐ Hearing

EXISTING WELLBORE
☒ YES ☐ NO

Amoco Production Company

P.O. Box 800 Denver, CO 80201

Operator
Lackey B LS

8

Address
M-20-28N-9W
Unit Ltr. - Sec Twp - Rge

San Juan
County

Lease
Specing Unit Lease Types: (check 1 or more)

OGRID NO. 000778 Property Code 000784 API NO. 3004513254 Federal ☒ State ☐ (and/or) Fee ☐

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	b. (Original) 1258 PSI	b.	1249 PSI
6. Oil Gravity (° API) or Gas BTU Content	1117 BTU		1288 BTU
7. Producing or Shut-In?	PRODUCING		PRODUCING
Production Marginal? (yes or no) • 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 • If Producing, give date and oil/gas/water rates of recent test (within 60 days)	YES		YES
	Date: Rates:	Date: Rates:	Date: Rates:
	3/96 80 MCFD 0 BCPD 0 BWPD	Date: Rates:	3/96 30 MCFD 0.77 BCPD 0 BWPD
8. Fixed Percentage Allocation Formula -% for each zone	Oil: 0 % Gas 73 %	Oil: % Gas %	Oil: 100 % Gas 27 %

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 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 SF-077106

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 Pamela W. Staley TITLE REGULATORY AFFAIRS REP DATE 4/11/96
TYPE OR PRINT NAME PAMELA W. STALEY TELEPHONE NO. (303) 830-5344

WELL LOCATION AND/OR GAS PRORATION PLAT

DATE JANUARY 7, 1957

OPERATOR EL PASO NATURAL GAS COMPANY LEASE LACKEY "B" SF 077106

WELL NO. 8 (PM) SECTION 20 T. 28 N R. 9 W NE 1/4

LOCATED 890 FEET FROM SOUTH LINE 990 FEET FROM WEST LINE

SAN JUAN

COUNTY, NEW MEXICO

GR. ELEVATION 5861

PICTURED CLIFF
& MESA VERDE

AZTEC P.C.

160 AC. PC

NAME OF PRODUCING FORMATION

LESS

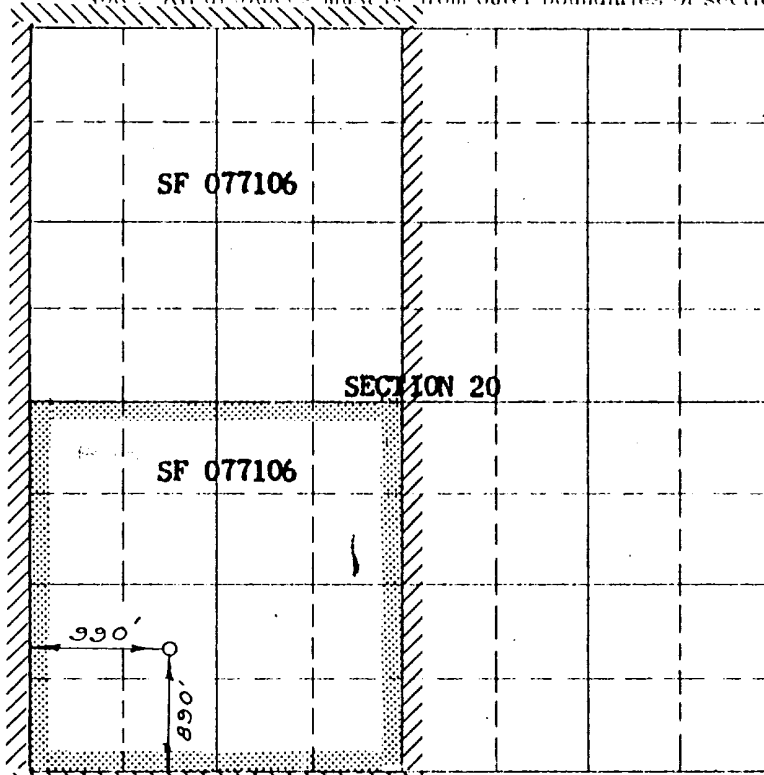
BLANCO M.V.

EDUCATED AC. LEASE

320 AC. MV

(1919 PLAT)

Note: All distances must be from outer boundaries of section.



Scale 4 inches equal 1 mile

RECEIVED
JAN 10 1957
U. S. GEOLOGICAL SURVEY
FARMINGTON, NEW MEXICO

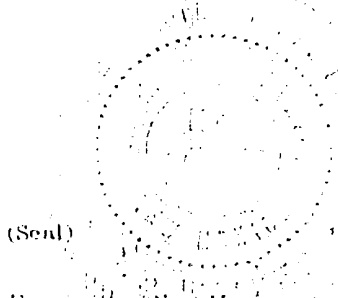
NOTE

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 DECEMBER 17, 1956

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



(Seal)

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

Name ORIGINAL SIGNED E.S. OBERLY
Position Petroleum Engineer
Representing El Paso Natural Gas Co
Address Box 997, Farmington, N.M.

Dwights

Lease: LACKEY B LS 000008

Retrieval Code: 251,045,28N09W20M00MV

04/09/96

10⁴

10³

10²

10
1970 1972 1974 1976 1978 1980 1982 1984 1986 1988 1990 1992 1994 1996

Oil (bbl/mo)

Water (bbl/mo)

Gas (mcf/mo)

F.P. Date: 06/57

Oil Cum: 14.45 mbbl

Gas Cum: 1107 mmcf

Location: 20M 28N 9W

County: SAN JUAN, NM

Field: BLANCO (MESAVERDE) MV

Reservoir: MESAVERDE

Operator: AMOCO PRODUCTION CO

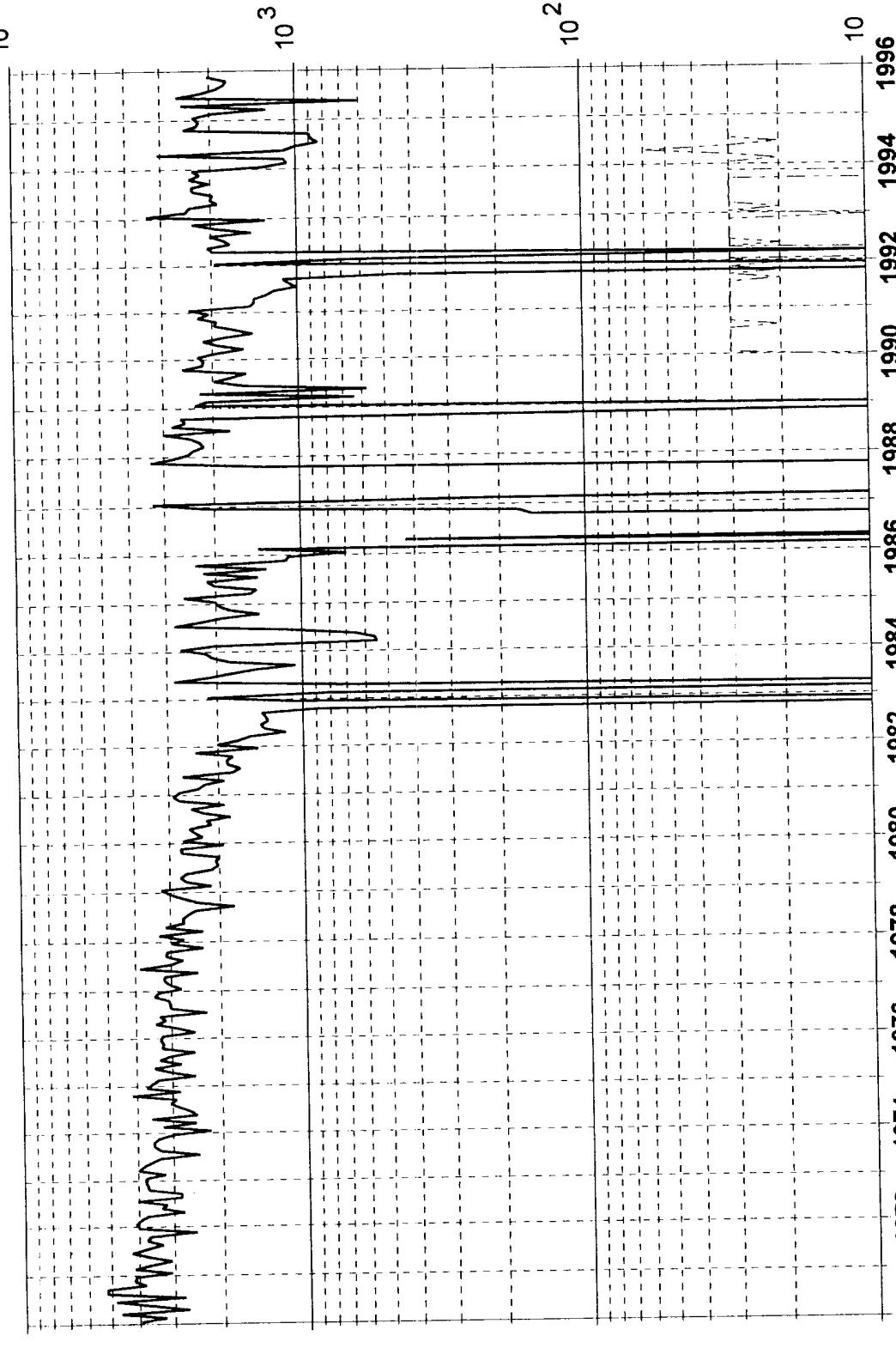
Dwights

Lease: LACKEY B LS 000008

Retrieval Code: 251,045,28N09W20M00PC

04/09/96

10³
10³
10²
10²
10
10
1
1



Gas (mcf/mo)

F.P. Date: 06/57

County: SAN JUAN, NM

Oil (bbl/mo)

Field: AZTEC (PICTURED CLIFFS) PC Oil Cum: 0 bbl

Water (bbl/mo)

Reservoir: PICTURED CLIFFS Gas Cum: 1389 mmcf

Operator: AMOCO PRODUCTION CO Location: 20M 28N 9W

OFFSET OPERATORS
Lackey B LS #8

Meridian Oil, Inc.
P.O. Box 4289
Farmington, NM 87499