



OIL CONSERVATION DIVISION
RECEIVED

96 MAR 26 PM 8 52

DHC 4-15-96

1227

Southern

Rockies

Business

Unit

March 18, 1996

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

Application for Exception to Rule 303-C
Downhole Commingling
Riddle Com #9 Well
1730' FSL & 1050' FEL, Unit L Section 17-T28N-R8W
Blanco Mesaverde (Pool IDN 72319) and Basin Dakota (Pool IDN 71599) Pools
San Juan County, New Mexico

Enclosed please find an administrative application form and attachments for Downhole Commingling for the captioned well.

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

Sincerely,

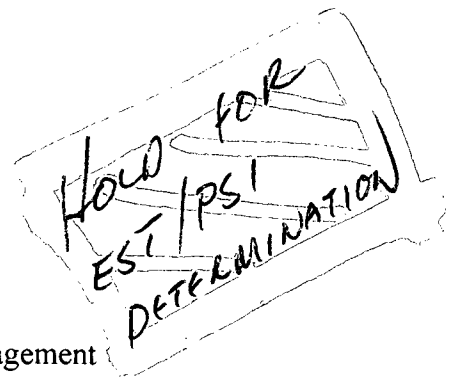
Pamela W. Staley

Enclosures

cc: Mark Rothenberg
Patty Haefele

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

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

OIL CONSERVATION DIVISION

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

APPROVAL PROCESS:

☒ Administrative ☐ Hearing

DISTRICT III
1000 Rio Brazos Rd. Aztec, NM 87410-1893

APPLICATION FOR DOWNHOLE COMMINGLING

EXISTING WELLBORE
☒ YES ☐ NO

Amoco Production Company		P.O. Box 800 Denver, CO 80201	
Operator		Address	
Riddle Com	9	L-17-28N-R8W	San Juan
Lease	Well No.	Unit Ltr. - Sec Twp - Rge	County
Spacing Unit Lease Types: (check 1 or more)			
OGRID NO.	Property Code	API NO.	Federal ☒ State ☐ (and/or) Fee ☐
000778	000980	30-045-25017	

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)	3736' - 4552' (PROPOSED)		6383' - 6617'
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 or Measured Original	a. (Current) 626 PSI (EST) b. (Original) 1250 PSI (EST)	a. b.	a. 685 PSI b. 1278 PSI
6. Oil Gravity (* API) or Gas BTU Content	1000 BTU / 49 DEG API		1151 BTU / 58.9 DEG API
7. Producing or Shut-In?	NEW		PRODUCING
Production Marginal? (yes or no)	NO		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:
• If Producing, give date and oil/gas/water rates of recent test (within 60 days)	1/96 227 MCFD 1.43 BCPD 0.02 BWPD	Date: Rates:	1/96 69 MCFD 0.35 BCPD 0.02 BWPD
8. Fixed Percentage Allocation Formula -% for each zone	Oil: 80 % Gas 77 %	Oil: % Gas %	Oil: 20 % 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
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-080112 SF-078499-A

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. Stalby TITLE REGULATORY AFFAIRS REP DATE 3/20/96
TYPE OR PRINT NAME PAMELA W. STALBY TELEPHONE NO. (303) 830-5344

District I
PO Box 1000, Hobbs, NM 88241-1980

District II
811 South First, Artesia, NM 88210

District III
1000 Rio Brazos Rd., Aztec, NM 87410

District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

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

Form C-102
Revised October 18, 1994

Instructions on back

RECEIVED
JAN 30 AM 11:15 ☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-045-25017	Pool Code 72319	Pool Name Blanco Mesaverde
Property Code 980	Property Name Riddle Com	Well Number 9
OGRID No. 000778	Operator Name Amoco Production Company	Elevation 5724'

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
L	17	28N	8W		1730	South	1050	West	San Juan

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	Joint or Infill	Consolidation Code	Order No.
------------------------	-----------------	--------------------	-----------

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>Patty Haefele</u> Patty Haefele Printed Name Staff Assistant Title 1/24/96 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 the best of my belief. 2/9/81 Date of Survey Signature and Seal of Professional Surveyer: Original on file 3950 Certificate Number
1050'					
1730'					

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

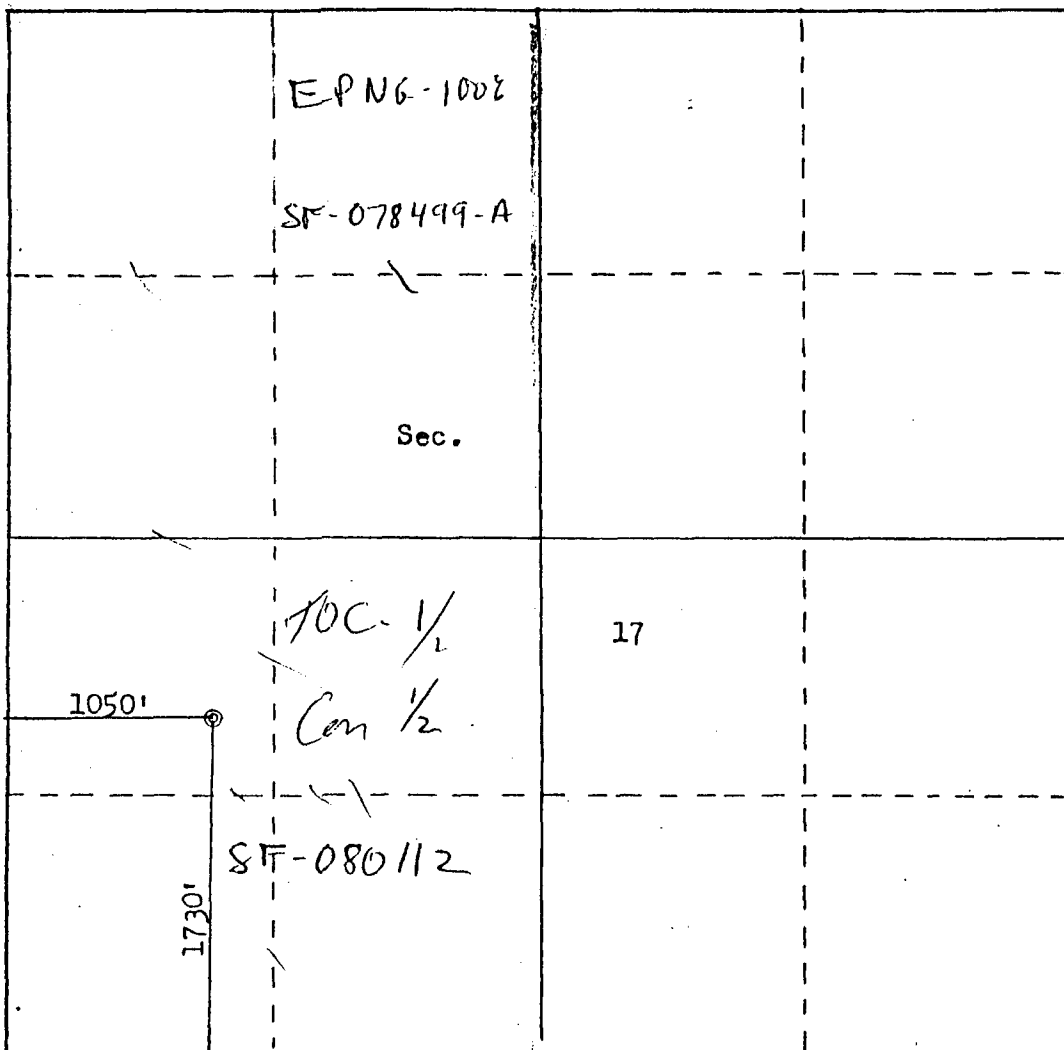
Operator TENNECO OIL COMPANY			Lease RIDDLE COM		Well No. 9
Unit Letter L	Section 17	Township 28N	Range 8W	County San Juan	
Actual Footage Location of Well: 1730 feet from the South line and 1050 feet from the West line					
Ground Level Elev: 5724	Producing Formation		Pool		Dedicated Acreage: Acres

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 _____

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

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.



Scale: 1" = 1000'

CERTIFICATION

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

Name _____

Position _____

Company _____

Date _____

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.

Date Surveyed _____

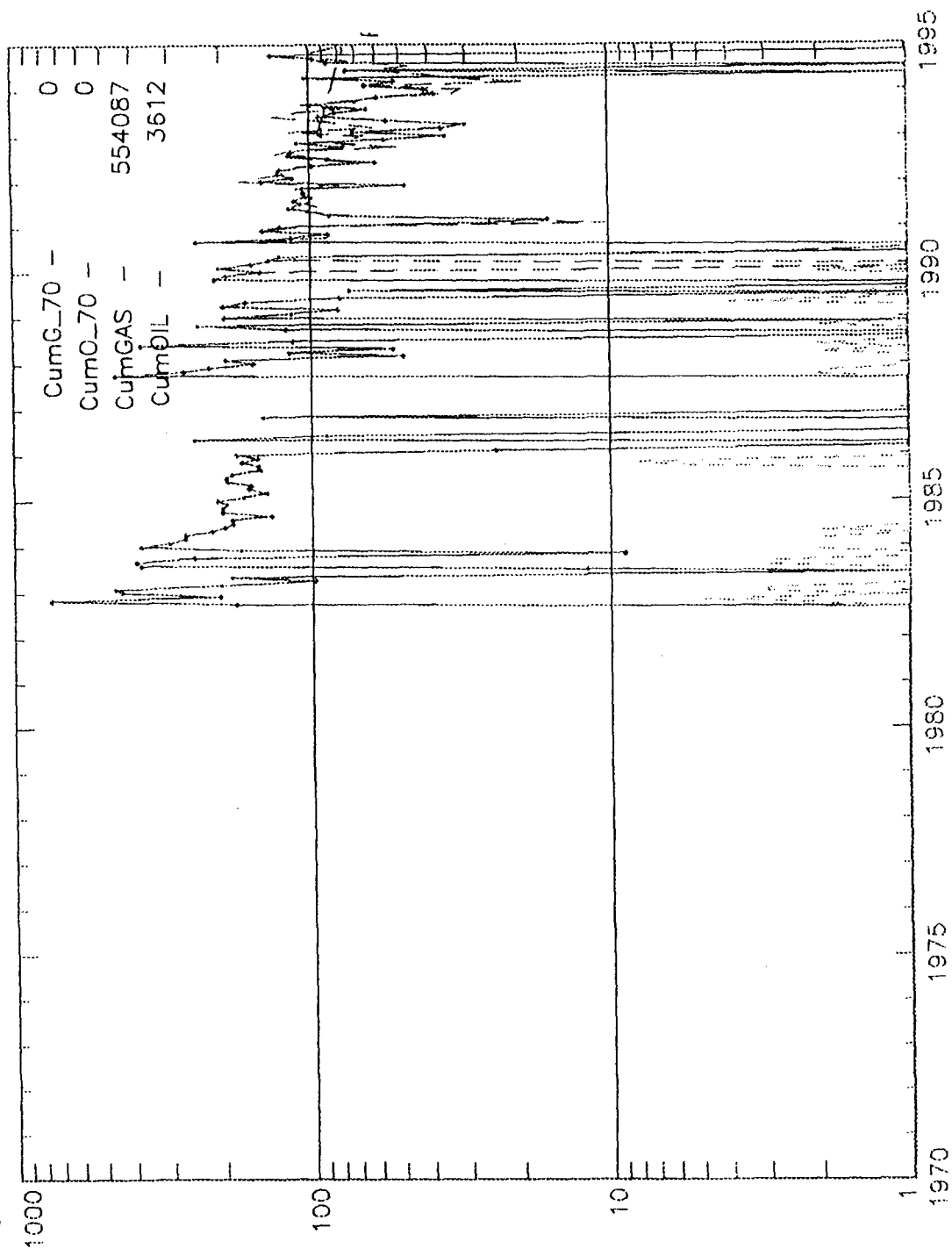
February 9, 1981
Registered Professional Engineer
and Land Surveyor

[Signature]
A. B. O'Neil Jr.
Certified by State of New Mexico
39208

Engr: zrar06

RIDDLE COM 9 Operator- AMOCO PRODUCTION CO

300452501700DK L172808-009 DK APC_WI - 0.78130000



Current Production and Estimated Production Based on Offsets

<u>WELLNAME</u>	<u>LOCATION</u>	<u>CURRENT MCFD</u>	<u>LAST 4MO AVE MCFD</u>	<u>CURRENT BOPD</u>
-----------------	-----------------	---------------------	--------------------------	---------------------

DAKOTA

RIDDLE COM 9	L17-28-08	56	70	0.50
--------------	-----------	----	----	------

OFFSETS IN MESAVERDE

RIDDLE LS F#3A	F20-28-08	147	165	1.50
----------------	-----------	-----	-----	------

RIDDLE LS F#1A	C17-28-08	361	353	1.80
----------------	-----------	-----	-----	------

FLORANCE C LS #1	A19-28-08	143	163	1.00
------------------	-----------	-----	-----	------

<u>AVERAGE</u>		<u>217</u>	<u>227</u>	<u>1.43</u>
----------------	--	------------	------------	-------------

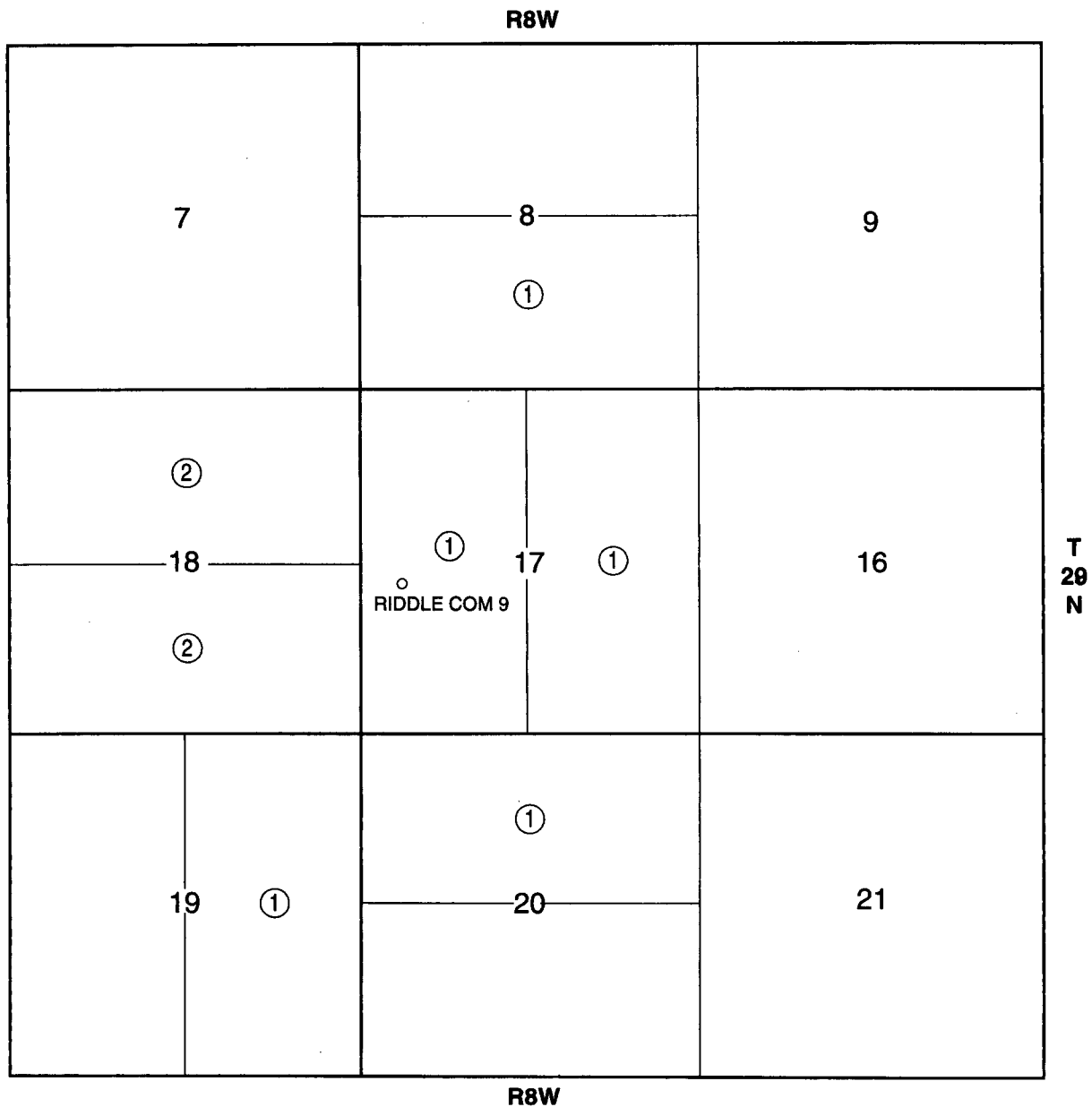
Amoco Production Company

Offset Operator Plat

Riddle Com 9

T28N-R8W Sec. 17

Dakota Formation



- ① Amoco Production Company
- ② Liveley Exploration Company
1300 Post Oak Blvd., #1900
Houston, TX 77056

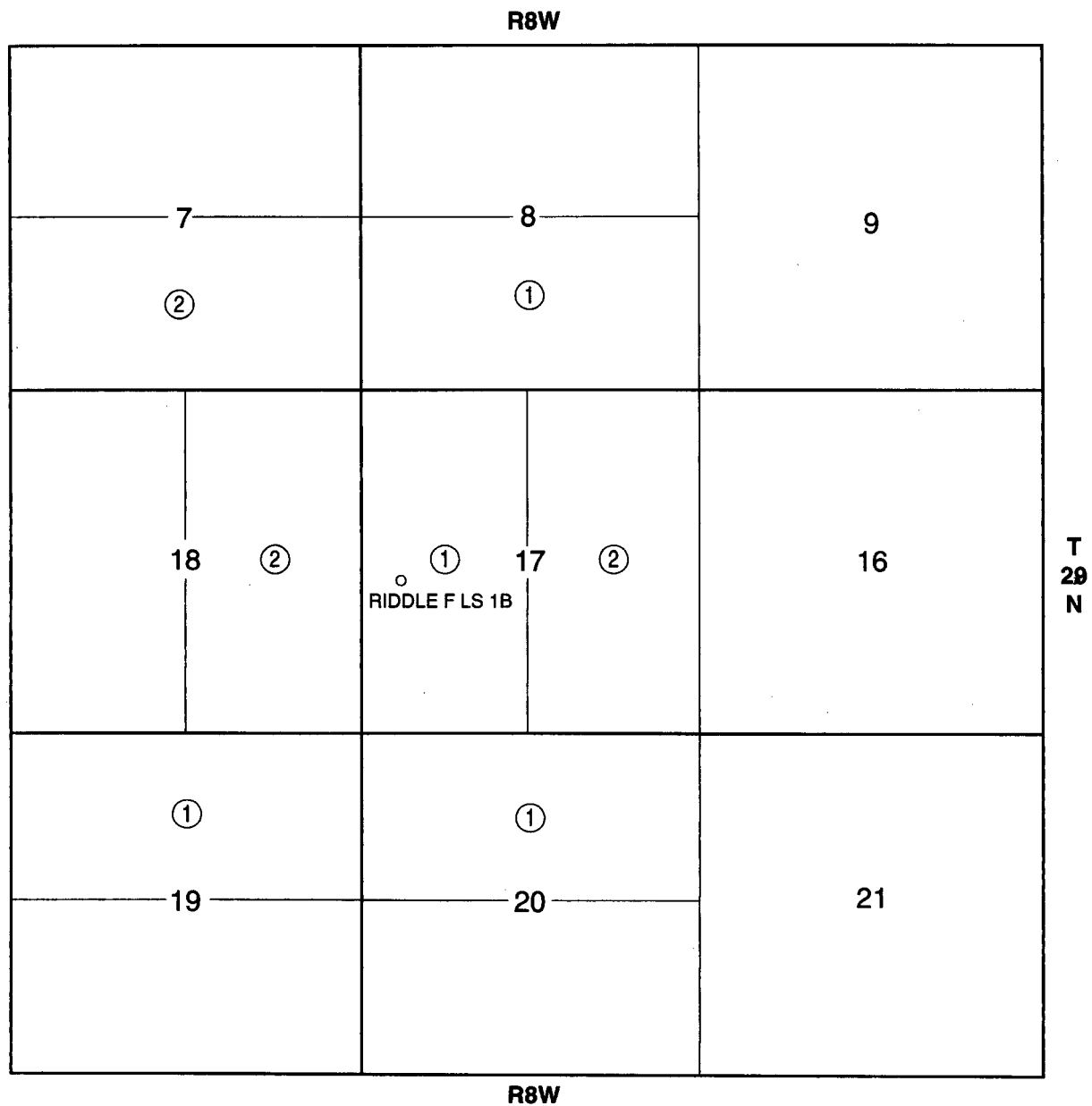
Amoco Production Company

Offset Operator Plat

Riddle F LS 1B

T28N-R8W Sec. 17

Mesaverde Formation



① Amoco Production Company

② Meridian Oil Production Inc.

69940200 00001
617000 00
AMOCO PRODUCTION COMPANY
P O BOX 591
TULSA

ZJAM63
OK 74102-0591

69940200 00001
311566 00
RICHARD H GODFREY REVOCABLE TRUST
RICHARD H GODFREY JR SUCCESSOR TRUSTEE
P O BOX 18661
OKLAHOMA CITY
OK 73154-0661

69940200 00001
129567 00
BETSY BRYANT
2201 BROOKHOLLOW
ABILENE

ZJAM63
TX 79605-5507

69940200 00001
417319 00
EMILY D GRAMBLING
916 CHERRY HILL LANE
EL PASO
TX 79912-3327

69940200 00001
924261 00
HARRIET BUCHENAU
P O BOX 867585
PLANO

ZJAM63
TX 75086-7585

69940200 00001
382422 00
JOHN A GRAMBLING
916 CHERRY HILL LANE
EL PASO
TX 79912-3327

69940200 00001
134698 00
CROSS TIMBERS OIL COMPANY
P O BOX 840287
DALLAS

ZJAM63
TX 75284-0287

69940200 00001
289995 00
MABEL GLENN HAM REVOCABLE TRUST
KATHLYN NORA BLACK TRUSTEE
P O BOX 15040
SANTA FE
NM 87506-5040

924916 00 525-92-0674
SAM L AND FRANCES JOY DAZZO
SAM DAZZO SR TRUSTEE
901 VAL VERDE SE
ALBUQUERQUE

NM 87108-3471

69940200 00001
491769 00
HANSON MCBRIDE PETROLEUM COMPANY
A/W RUIDOSO STATE BANK
ATTN T A ANDERSON
P O DRAWER B
RUIDOSO
NM 88345-7505

69940200 00001
129569 00
MITZI EASLEY
3900 DOMINION COVE
AUSTIN

ZJAM63
TX 78759-7300

69940200 00001
141494 00
EMILIE M HARDIE ROYALTY TRUST
EMILIE M HARDIE TRUSTEE
1065 LOS JARDINES
EL PASO
TX 79912-1942

69940200 00001
682714 00
R H FEUILLE
11TH FL TEXAS COMMERCE BANK BLDG
EL PASO

TX 79901

69940200 00001
141496 00
MARY ELIZABETH HARDIE ROYALTY TRUST
THORNTON HARDIE III TRUSTEE
1700 PACIFIC AVE SUITE 3300
DALLAS
TX 75201-4656

926370 00 076-0193016
EL PASO PRODUCTION COMPANY
P O BOX 840656
DALLAS

TX 75284-0656

69940200 00001
903559 00
WILLIAM B HARDIE SR ROYALTY TRUST
JANE HARDIE TRUSTEE
1065 LOS JARDINES
EL PASO
TX 79912-1942

69940200 00001
926501 00
KATHLYN H GIBSON ESTATE
GEORGE ANNE SCHARHAG PERS REP
P O BOX 546
TESUGUE

ZJAM63
NM 87574-0546

69940200 00001
382421 00
PATRICIA G HARVEY
BOX 328
CAVE CREEK

ZJAM63

AZ 85331-0328

69940200 00001
113780 00
BEN HOWELL LANGFORD
201 E MAIN SUITE 900
EL PASO

ZJAM63

TX 79901-1333

69940200 00001
128754 00
MOZELLE C HILL
1405 KENILWORTH ROAD
OKLAHOMA CITY

ZJAM63

OK 73120-1412

69940200 00001
113779 00
RICHARD PARKER LANGFORD
5 GREEN ACRES DRIVE NO 143
VERONA

ZJAM63

NJ 07044-2411

69940200 00001
141886 00
ANNA CELIA HOWELL HILTON
3930 PORT ROYAL
DALLAS

ZJAM63

TX 75244-7256

69940200 00001
141495 00
ELIZABETH H LUND ROYALTY TRUST
ELIZABETH H LUND TRUSTEE
6128 SIERRA VALLE LANE
EL PASO

ZJAM63

TX 79912-1934

69940200 00001
923261 00
PAUL B AND SUSAN O HORTON
C/O MCCALL PARKHURST AND HORTON
900 MAXUS ENERGY TOWER
717 NORTH HARWOOD SUITE 900
DALLAS

ZJAM63

TX 75201-6587

69940200 00001
923552 00
HELEN P MATTHEWS
200 PATTERSON AVE 806
SAN ANTONIO

ZJAM63

TX 78209-6268

69940200 00001
113777 00
HOWELL GRANDCHILDRENS TRUST ESTATE
TEXAS COMMERCE BANK TRUSTEE
P O BOX 209829
HOUSTON

ZJAM63

TX 77216-9829

69940200 00001
710000 01
MINERALS MANAGEMENT SERVICE
ROYALTY MANAGEMENT PROGRAM
PO BOX 5810 TA
DENVER

ZJAM63

CO 80217-5810

69940200 00001
770471 00
HOWELL TRUST ESTATE
TEXAS COMMERCE BK EL PASO TSTE
P O BOX 209829
HOUSTON

ZJAM63

TX 77216-9829

69940200 00001
924856 00
CHARLEEN NARY
313 MELINDA LANE
DUMAS

ZJAM63

TX 79029-4138

69940200 00001
788895 00
GLEN D HUGHES
2321 CANDELARIA NW
ALBUQUERQUE

ZJAM63

NM 87107-3055

788891 00 560-30-4628
ETHEL PARNELL
503 W DUARTE RD #5
ARCADIA

CA 91007-7325

69940200 00001
113781 00
MADELINE HOWELL JASTRZEMBSKI
1106 MESITA
EL PASO

ZJAM63

TX 79902-1913

69940200 00001
788890 00
JANE MANNING PITKIN
503 W DUARTE RD #6
ARCADIA

ZJAM63

CA 91007-7325

69940200 00001
129568 00
SUSAN RITTER
P O BOX 162606
AUSTIN

ZJAM63

TX 78716-2606

69940200 00001
449599 00
PAUL SLAYTON
P O BOX 2035
ROSWELL

ZJAM63

NM 88202-2035

69940200 00001
141497 00
MABELLE H SOWERS ROYALTY TRUST
MABELLE BRAMHALL TRUSTEE
3012 COCHISE COURT
COLLEGE STATION

ZJAM63

TX 77845-6529

69940200 00001
615188 03
UNION OIL COMPANY OF CALIFORNIA
ATTN REVENUE ACCOUNTING
P O BOX 841055
DALLAS

ZJAM63

TX 75284-1055

69940200 00001
324224 00
ELIZABETH H WHITE FAMILY TRUST
LINDA PAYNE, TRUSTEE
P O BOX 780099
DALLAS

ZJAM63

TX 75378-0099

926364 00 558-34-0543
SARAH S MIMS TRUST
WILLIAM L MADSEN AND SARAH S MIMS
COTRUSTEES
P O BOX 111846
CARROLLTON

TX 75011-1846

MERIDIAN OIL INC
801 CHERRY STREET
FORT WORTH TX 76102