



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

RECEIVED
MAR 27 1996
OIL CON. DIV.
DIST. 3

**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

OIL CONSERVATION DIVISION

APPROVAL PROCESS:

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

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

☒ 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
Riddle Com

9

Address
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. 000778 Property Code 000980 API NO. 30-045-25017 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)	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: Estimated Current Gas & Oil - Flowing: Measured Current 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	RECEIVED MAR 27 1996 OIL CON. DIV. DIST. 3	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 Date: 227 MCFD Rates: 1.43 BCPD 0.02 BWPD	Date: Rates:	1/96 Date: 69 MCFD Rates: 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 150, Hobbs, NM 88241-1980
District II
811 South First, Artesia, NM 88210
District III
1600 Rio Bravo 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

Form C-102
Revised October 18, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

06 JUN 90 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'

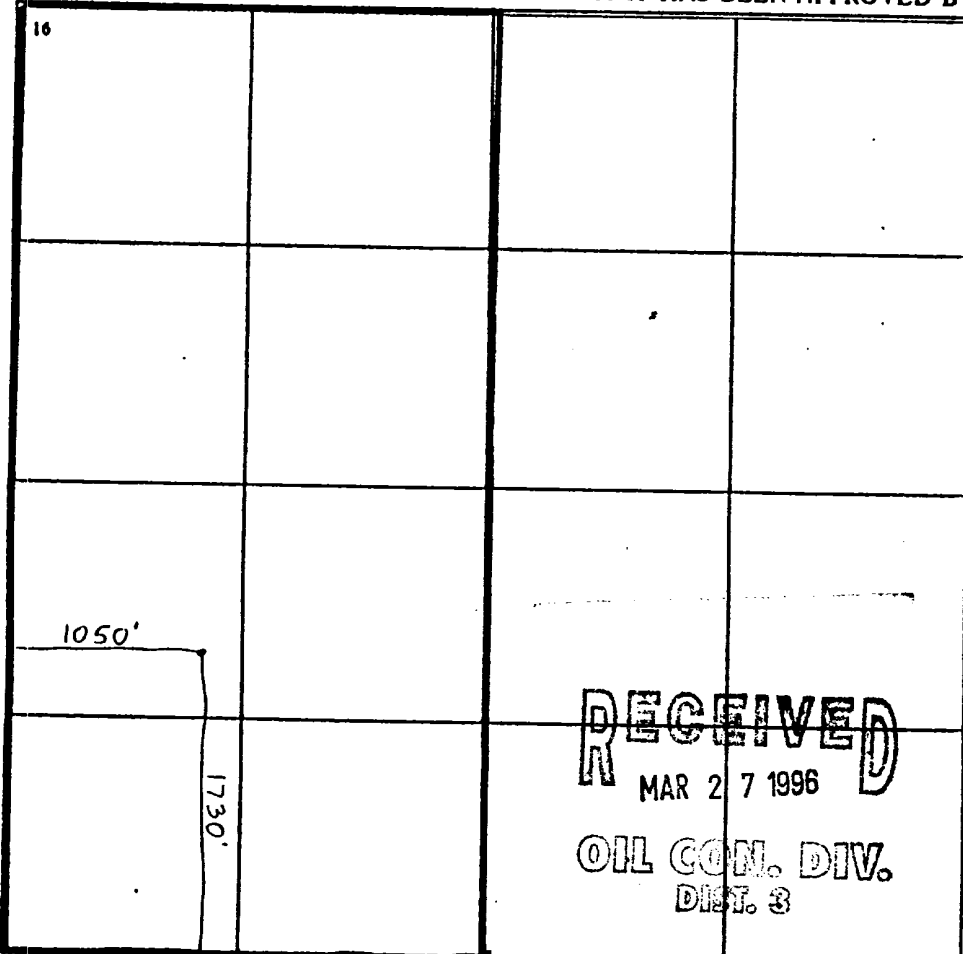
10 Surface Location

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 Int'l		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. <i>Patty Haefele</i> Signature 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 Surveyor: Original on file 3950 Certificate Number	
	RECEIVED MAR 27 1996 OIL CON. DIV. DIST. 3	

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

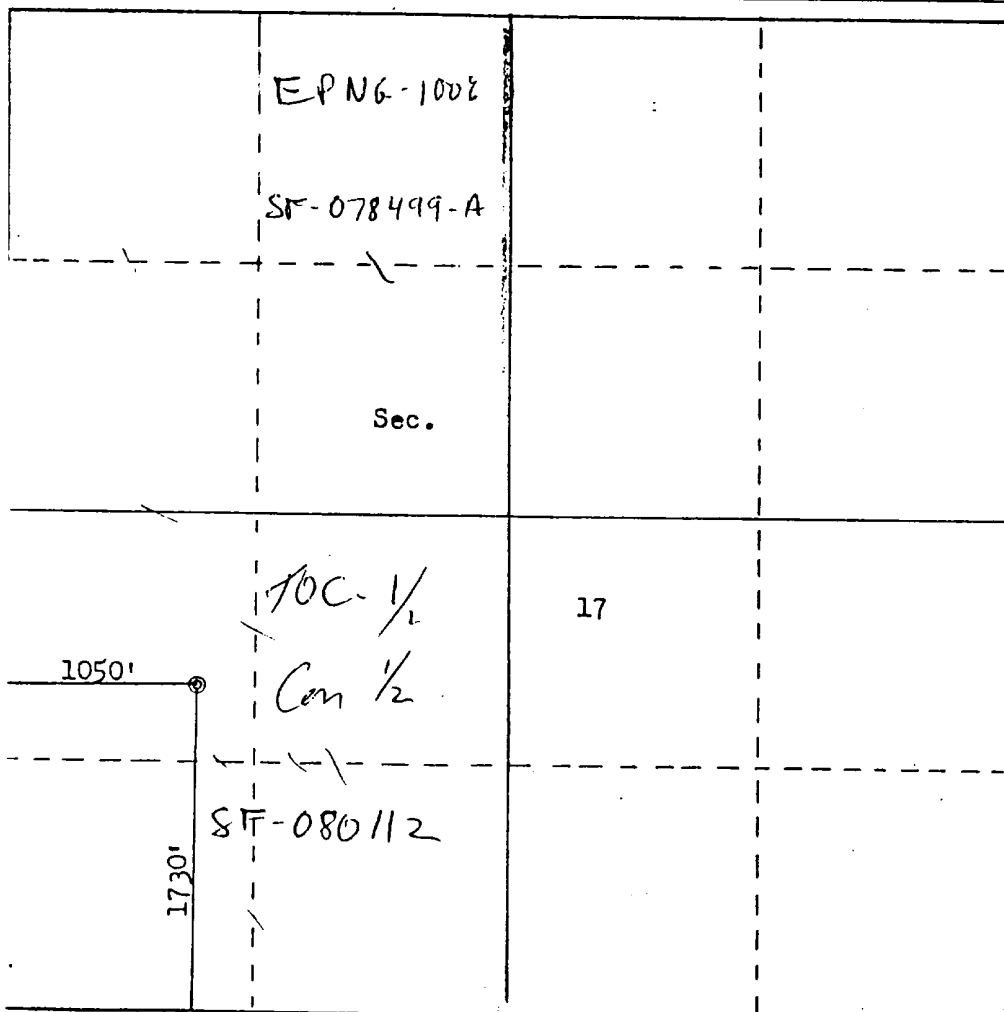
Operator TENNECO OIL COMPANY			Lease RIDDLE COM		Well No. 9
Unit Letter L	Section 17	Township 28N	Range 8W	County San Juan	
Actual Footage Location of Well: 1730 feet from the South line and 1050 feet from the West line					
Ground Level Elev. 5724	Producing Formation		Pool	Dedicated Acreage: Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure 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

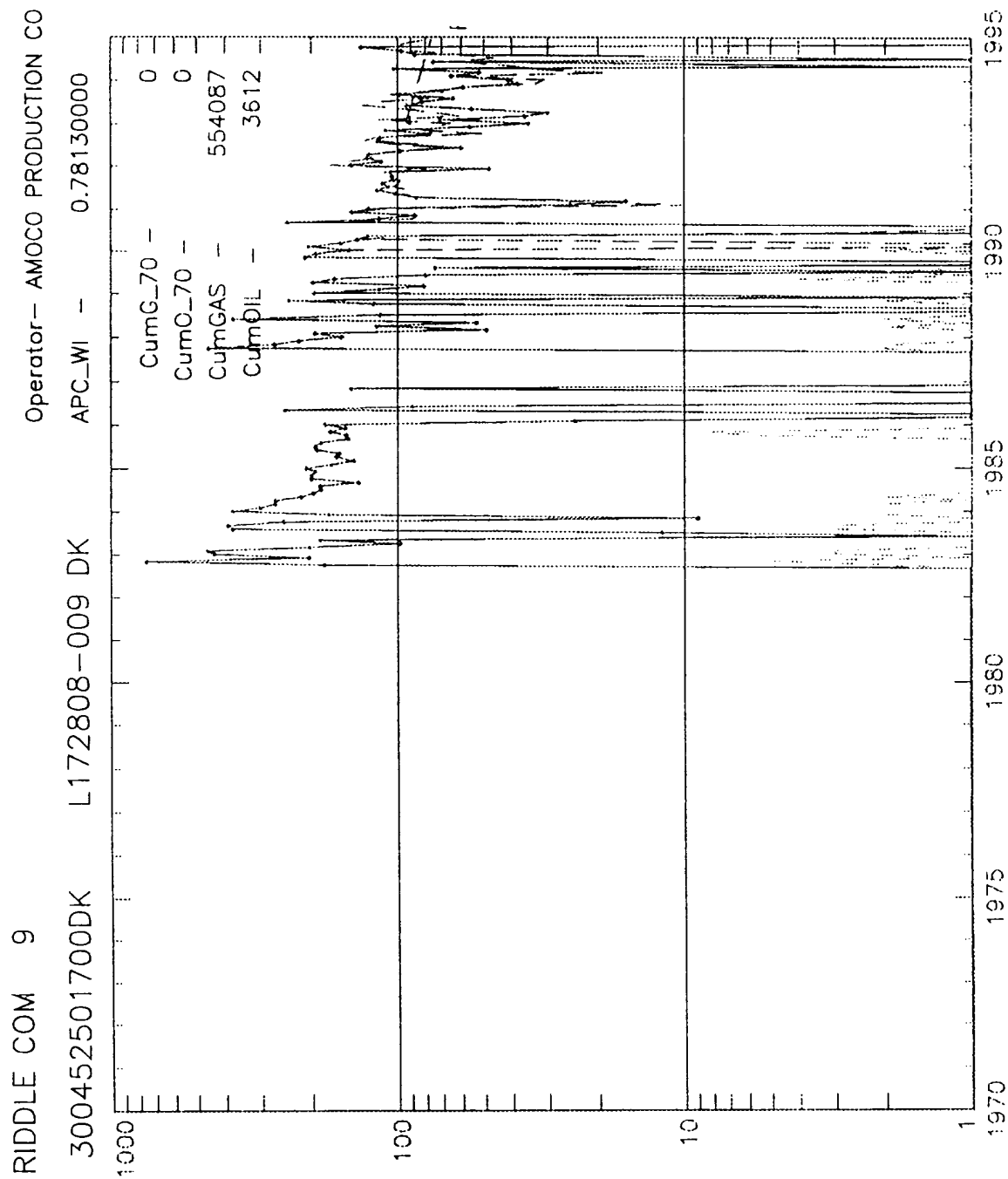
Date

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]
Fred B. Kerr Jr.
Certified by State of New Mexico
3950



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>
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DAKOTA

RIDDLE COM 9	L17-28-08	56	70	0.50
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OFFSETS IN MESAVERDE

RIDDLE LS F#3A	F20-28-08	147	165	1.50
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RIDDLE LS F#1A	C17-28-08	361	353	1.80
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FLORANCE C LS #1	A19-28-08	143	163	1.00
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<u>AVERAGE</u>		<u>217</u>	<u>227</u>	<u>1.43</u>
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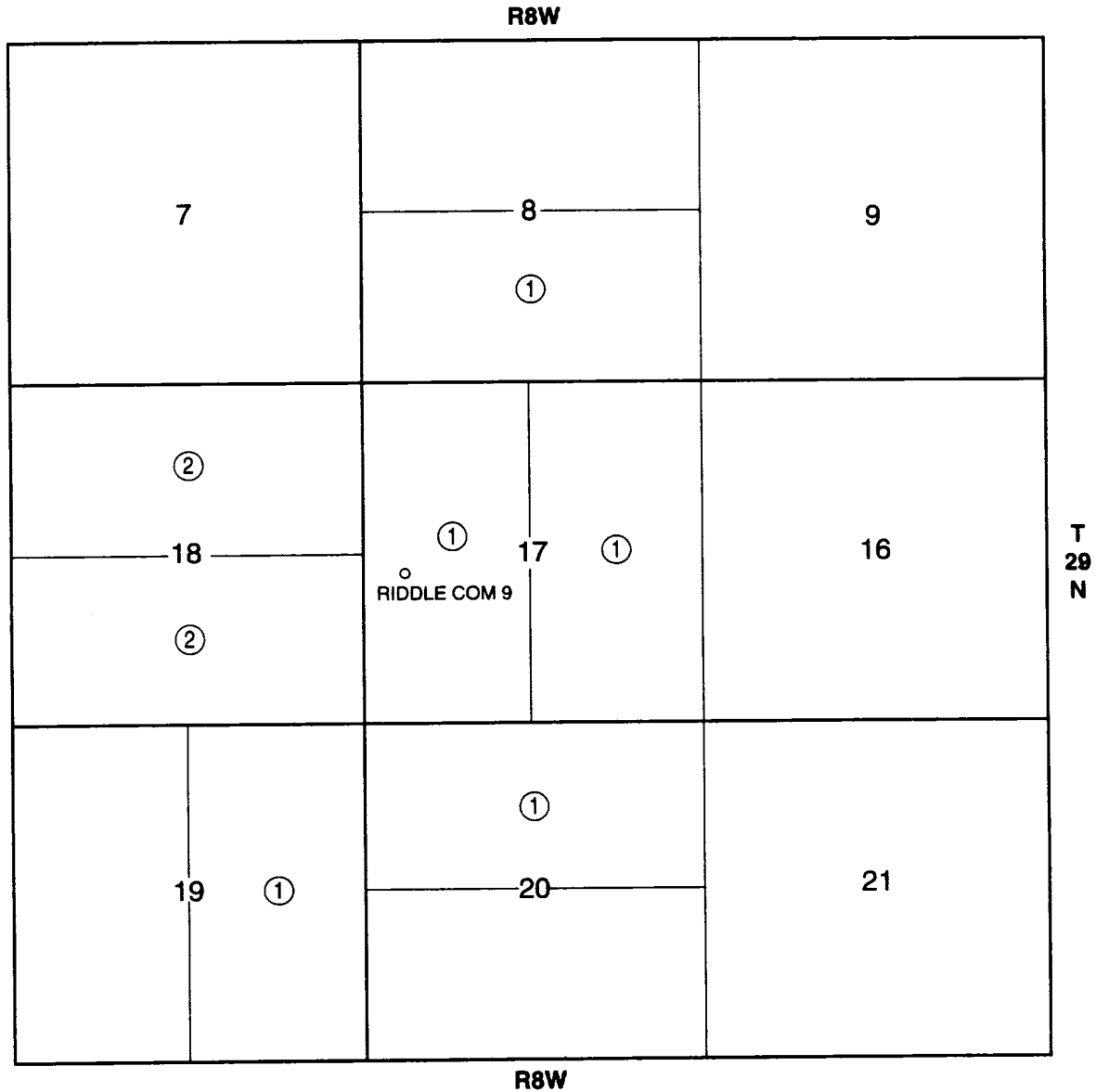
Amoco Production Company

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

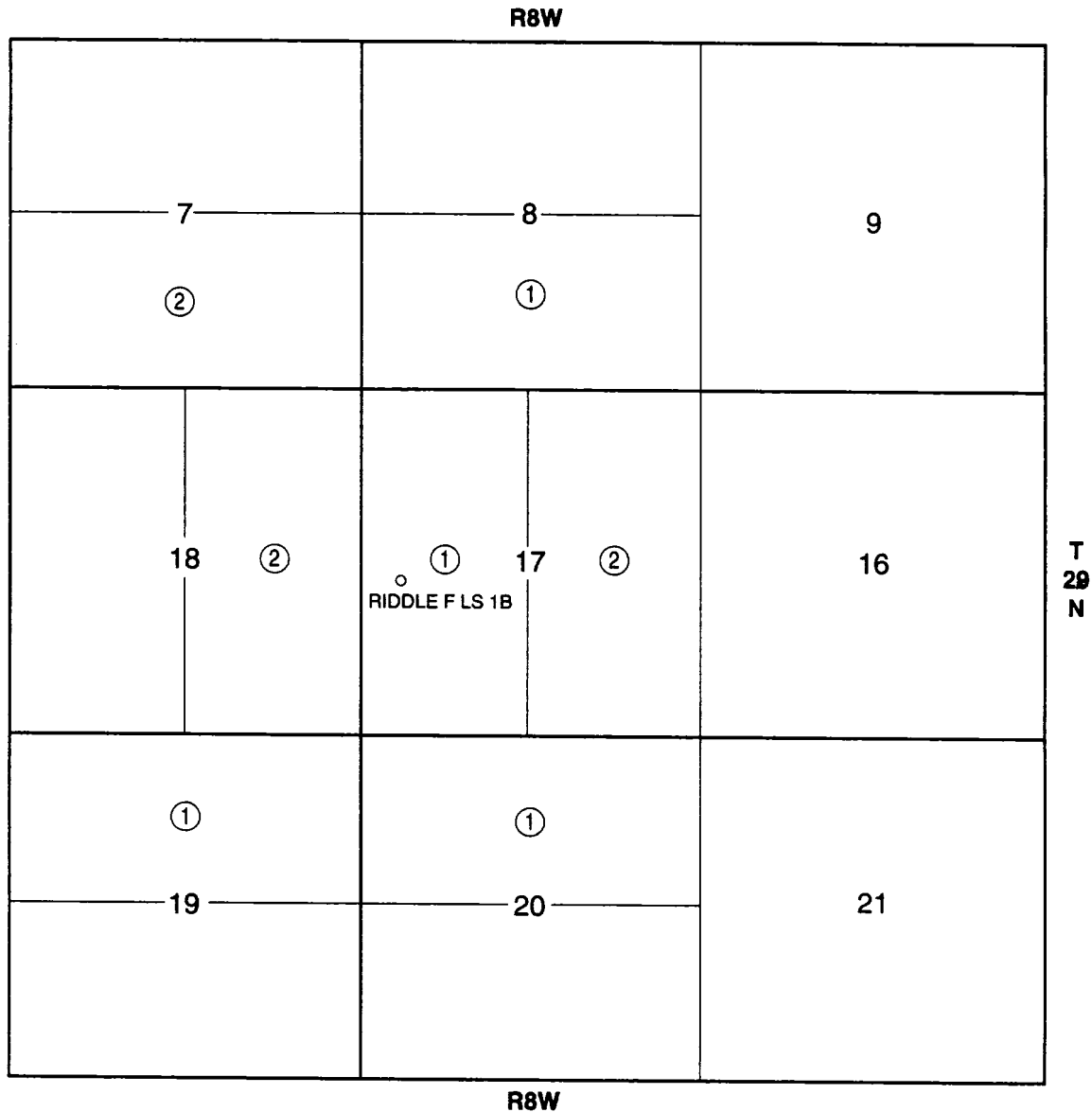
Amoco Production Company

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	ZJAM63 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	ZJAM63 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	ZJAM63 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	ZJAM63 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	ZJAM63 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	ZJAM63 TX 79912-1942
69940200 00001 682714 00 R H FEUILLE 11TH FL TEXAS COMMERCE BANK BLDG EL PASO	ZJAM63 TX 79901	69940200 00001 141496 00 MARY ELIZABETH HARDIE ROYALTY TRUST THORNTON HARDIE III TRUSTEE 1700 PACIFIC AVE SUITE 3300 DALLAS	ZJAM63 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	ZJAM63 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 D 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

ZJAM63

MABELLE H SOWERS ROYALTY TRUST
MABELLE BRAMHALL TRUSTEE
3012 COCHISE COURT
COLLEGE STATION

TX 77845-6529

69940200 00001
615188 03

ZJAM63

UNION OIL COMPANY OF CALIFORNIA
ATTN REVENUE ACCOUNTING
P O BOX 841055
DALLAS

TX 75284-1055

69940200 00001
324224 00

ZJAM63

ELIZABETH H WHITE FAMILY TRUST
LINDA PAYNE, TRUSTEE
P O BOX 780099
DALLAS

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