



**Application of Amoco Production Company
For Downhole Commingling
Gooch #2E Well, Section 29, T28N-R8W
San Juan County, New Mexico**

Amoco Production Company



Southern

Rockies

Business

Unit

August 22, 1994

Mr. William J. LeMay, Director
New Mexico Oil Conservation Division
310 Old Santa Fe Trail
Santa Fe, NM 87501

**Application of Amoco Production Company
For Downhole Commingling
Gooch #2E Well, Section 29, T28N-R8W
San Juan County, New Mexico**

AMOCO PRODUCTION COMPANY ("Amoco") hereby makes application for exception to NMOCD general rule 303 (c) to downhole commingle Dakota and Mesaverde production in the Gooch #2E well. The Gooch #2E well is located 1100 FNL and 1800 FWL, Section 29, T28N-R8W, San Juan County, New Mexico. In support of this application, Amoco states the following:

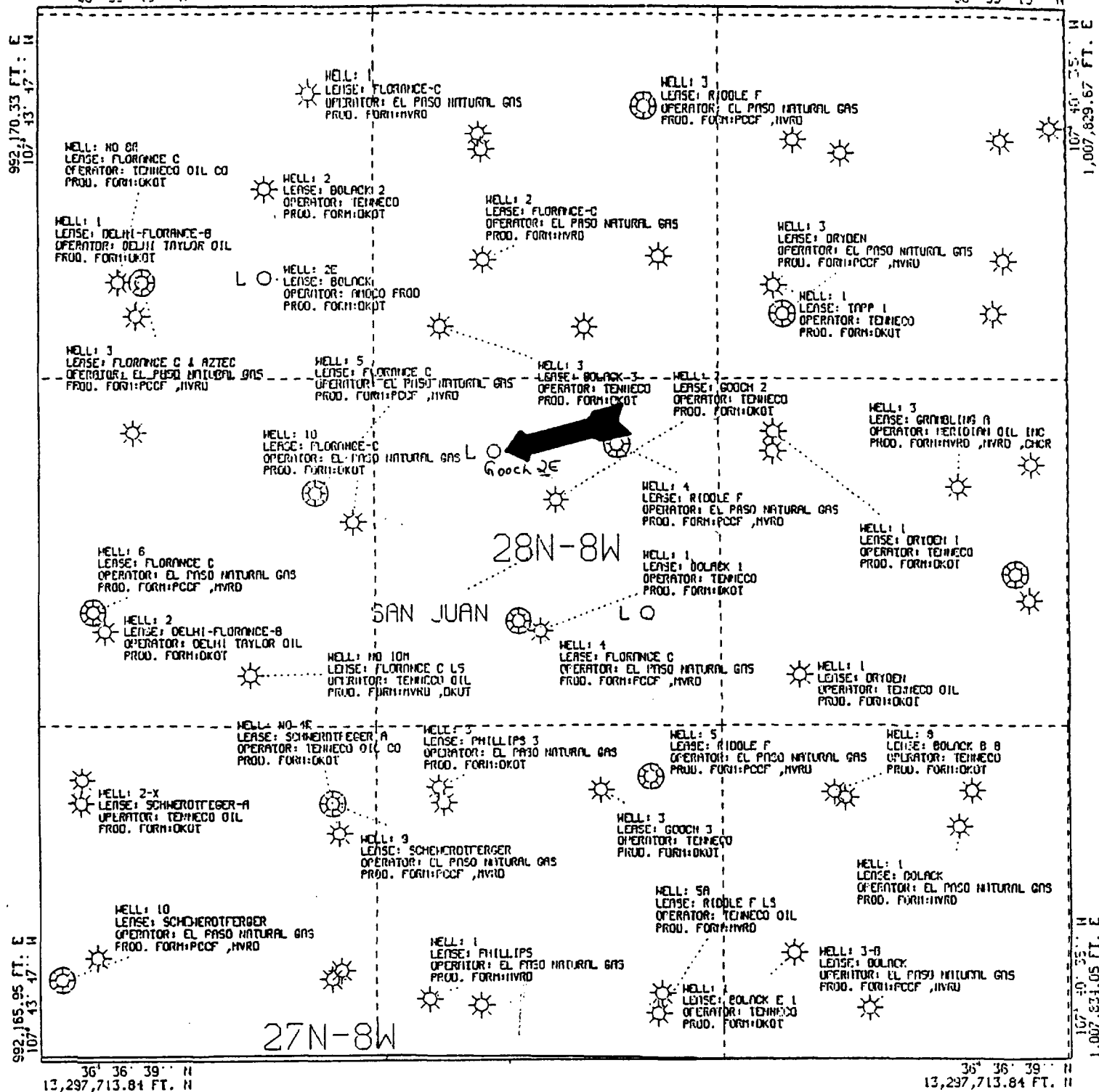
1. Amoco is the operator of the Dakota formation, Basin Dakota Pool underlying the N/2 Section 29, T28N-R8W, San Juan County, New Mexico, currently dedicated to the Gooch #2E well.
2. Amoco is the operator of the Mesaverde formation, Blanco Mesaverde Pool underlying the W/2 Section 29, T28N-R8W which will be dedicated to the Gooch #2E well after recompletion.
3. The ownership of the Dakota Formation and Mesaverde formation which are proposed for commingling are not common.
4. Production from the Basin Dakota Pool in the Gooch #2E is now marginal and the economic life of the production will be extended if it is downhole commingled with production from the Blanco Mesaverde Pool.
5. The Gooch #2E well cannot be dually completed because of mechanical conditions and therefore downhole commingling is necessary to economically produce the Dakota and Mesaverde formations.
6. Approval of this application will otherwise be in the best interest of conservation, the prevention of waste and the protection of correlative rights.

Amoco Production Company requests that this application be set for hearing before a duly appointed Examiner of the Oil Conservation Division on September 15, 1994. A copy of this application will be sent to each of the operators of spacing units offsetting the well and to each of the owners in the well (working interest, royalty interest and overriding royalty interest) by certified mail, return receipt requested.

Sincerely,

J. W. Hawkins

13,313.463.41 FT. N
36' 39' 15" N



All geological and geophysical data, including the interpretation thereof, appearing on this map is the private and confidential property of Amoco Production Company. The publication or reproduction thereof without the written permission of said Company is strictly prohibited.

AMOCO PRODUCTION COMPANY
PLAT MAP

POLYCONIC CENTRAL MERIDIAN - 107° 42' 11'' W LONG
SPHEROID - 6

GOOCH 2E DK AND MV OFFSETS
SAN JUAN COUNTY NEW MEXICO
SCALE 1 IN. = 2,000 FT. JUN 29, 1994

94250316405246

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

Operator TENNECO OIL COMPANY		Lease GOOCH		Well No. 2E
Unit Letter C	Section 29	Township 28N	Range 8W	County San Juan
Actual Footage Location of Wells: 1100 feet from the North line and 1800 feet from the West line				
Ground Level Elev. 5870	Producing Formation Dakota		Pool Basin Dakota	Dedicated Acreage:

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 interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been dated 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 this form if necessary.) _____

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

CERTIFICATION

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

Name _____

Position _____

Company _____

Date _____

I hereby certify that the well shown on this plat was plotted from notes of actual surveys made under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed _____

August 8, 1980
Registered Professional Engineer
and/or Land Surveyor
Fred B. Kerr, Jr.
Certificate No. 3958
FRED B. KERR, JR.

District I
PO Box 1980, Hobbs, NM 88241-1980
District II
PO Drawer DD, Artesia, NM 88211-0719
District III
1000 Rio Huerfano Rd., Aztec, NM 87410
District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

Form C-102
Revised February 21, 1989

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-045-24936		Pool Code 72319	Pool Name Blanco Mesaverde
Property Code 000608	Property Name Gooch		Well Number #2E
GRID No. 000778	Operator Name Amoco Production Company		Elevation 5870

¹⁰ Surface Location

UL or lot no. C	Section 29	Township 28N	Range 8W	Lot Idn	Feet from the 1100	North/South line North	Feet from the 1800	East/West line West	County San Juan
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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
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¹² Dedicated Acres 320	¹³ Joint or Infill XX	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

¹⁶ 1100 1800 SECTION 29	¹⁷ OPERATOR CERTIFICATION <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief</i> Signature A. Wayne Branam Printed Name Business Analyst Title 08/17/94 Date			
	¹⁸ SURVEYOR CERTIFICATION <i>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.</i> 08/08/80 Date of Survey Signature and Seal of Professional Surveyor: On File Certificate Number			

Amoco Production Company

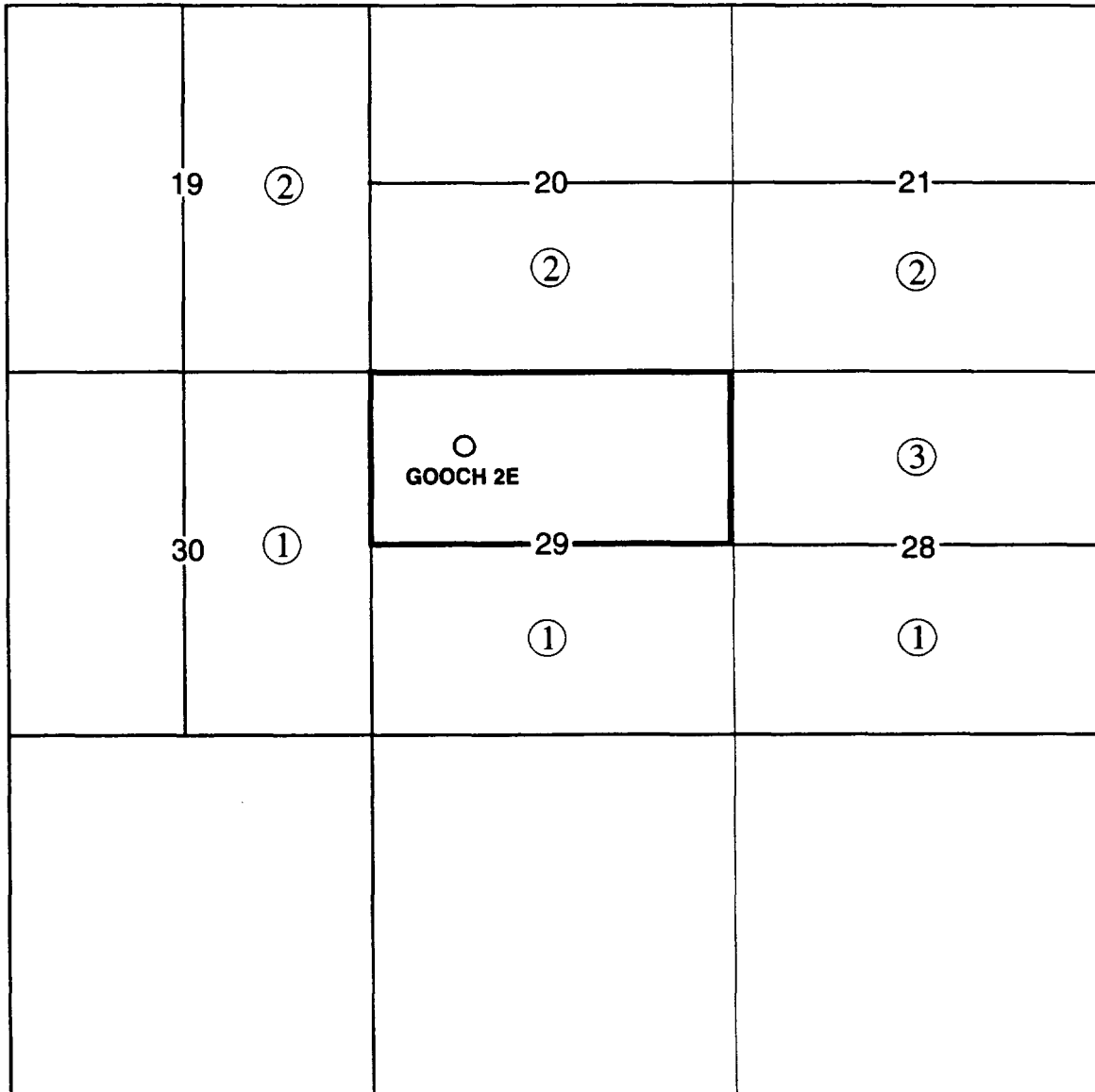
Offset Operator Plat

Gooch 2E

T28N-R8W, Sec. 29

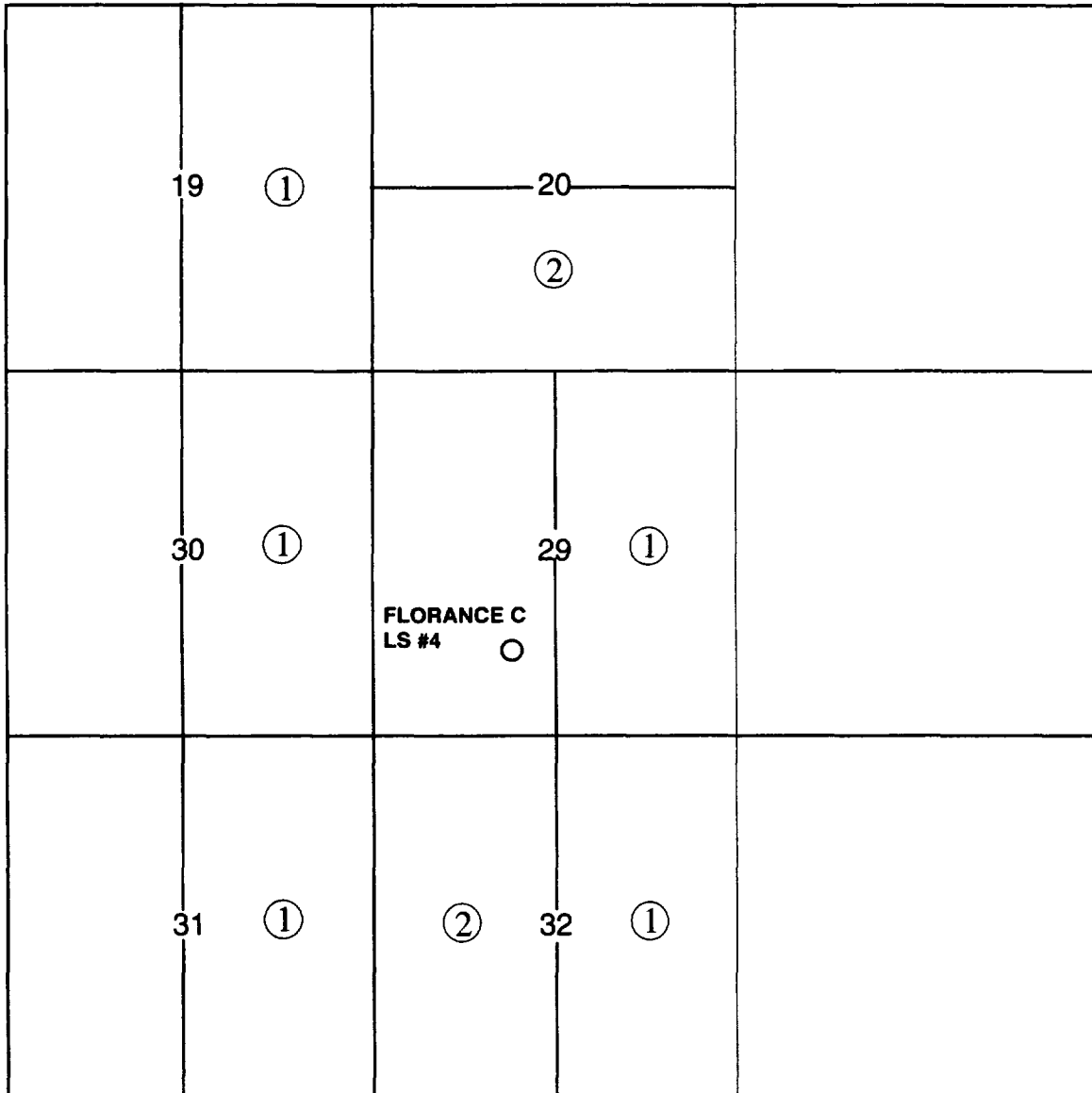
1100' FNL & 1800' FWL

Dakota Formation



- 1 Amoco Production Company
- 2 Meridian Oil, Inc.
- 3 Koch Exploration Company

Amoco Production Company
 Offset Operator Plat
Florance C LS #4
 T28N-R8W, Sec. 29
2161' FWL & 1600' FSL
 Blanco Mesaverde Formation



- 1 Amoco Production Company
- 2 Meridian Oil, Inc.

INTEREST OWNERS

MESAVERDE FORMATION T28N-R8W W/2 29 FLORANCE C LS 4

DAKOTA FORMATION T28N-R8W N/2 29 GOOCH 2E

<u>WORKING INTEREST OWNERS</u>	<u>ROYALTY INTEREST OWNERS</u>	<u>OVERRIDING ROYALTY NAME AND ADDRESS</u>	<u>MESAVERDE FORMATION</u>	<u>DAKOTA FORMATION</u>
Amoco Production Company P.O. Box 800 Denver, CO 80201	Bureau of Land Management Minerals Management Service Royalty Management Program P.O. Box 5810 TA Denver, CO 80217-5810	W. R. Archer U/W/O Eleanor M. Archer Trustee 3615 Piping Rock Lane Houston, TX 77027-4116	Yes	Yes
Conoco Inc. 10 Desta Dr., Suite 100W Midland, TX 79705-4500		Douglas E. Atwill 602 Canyon Road Santa Fe, NM 87501-2722	Yes	Yes
		Edward R. Atwill P.O. Box 1551 Tubac, AZ 85646-1551	Yes	Yes
		James H. Atwill P.O. Box 1810 Port Aransas, TX 78373-1810	Yes	Yes
		R. E. Beamon III Suite 470, Three Riverway Houston, TX 77056-1942	Yes	Yes
		Bolack Minerals Company A New Mexico Ltd Partnership 3901 Bloomfield Hwy Farmington, NM 87401-2831	Yes	Yes

<u>WORKING INTEREST OWNERS</u>	<u>ROYALTY INTEREST OWNERS</u>	<u>OVERRIDING ROYALTY NAME AND ADDRESS</u>	<u>MESAVERDE FORMATION</u>	<u>DAKOTA FORMATION</u>
		Hazel Ashley Bracken 101 Westcot, No. 403 Houston, TX 77007-7030	Yes	Yes
		Betsy Bryant 2201 Brookhollow Abilene, TX 79605-5507	Yes	Yes
		Harriet Buchenau P.O. Box 867585 Plano, Tx 75086-7585	Yes	Yes
		Elizabeth Turner Calloway 4801 St. Johns Dr. Dallas, Tx 75205-3143	Yes	Yes
		Creps Family Trust John E. Creps & Virginia Creps Co-Trustees 4556 Avalon Cove Lakeland, FL 33801-0572	Yes	Yes
		Cross Timbers Oil Company P.O. Box 840287 Dallas, TX 75284-0287	No	Yes
		Davant Family Trust Nationsbank of Texas NA Trustee Acct. No. 30011053442647 P. O. Box 840738 Dallas, Tx 75284-0738	Yes	Yes

<u>WORKING INTEREST OWNERS</u>	<u>ROYALTY INTEREST OWNERS</u>	<u>OVERRIDING ROYALTY NAME AND ADDRESS</u>	<u>MESA VERDE FORMATION</u>	<u>DAKOTA FORMATION</u>
		Jeremy S. Davis 7539 Brompton Blvd. Houston, TX 77025-2267	Yes	Yes
		Sam L. and Frances Joy Dazzo Sam Dazzo Sr. Trustee 901 Val Verde Se Albuquerque, NM 87108-3471	No	Yes
		Barbara Reese Dinges 6510 Shadow Crest Houston, TX 77074-6818	Yes	Yes
		Mitzi Easley 5605 Shoaledge Court Austin, TX 78756-1024	Yes	Yes
		Catherine Mary Florance Trust Texas Commerce Bank NA Trustee Trust 2767 P.O. Box 951412 Dallas, TX 75395-1412	Yes	Yes
		Douglas E. Florance Trust Texas Commerce Bank NA Trustee Trust 2092 P.O. Box 951412 Dallas, TX 75395-1412	Yes	Yes

<u>WORKING INTEREST OWNERS</u>	<u>ROYALTY INTEREST OWNERS</u>	<u>OVERRIDING ROYALTY NAME AND ADDRESS</u>	<u>MESAVERDE FORMATION</u>	<u>DAKOTA FORMATION</u>
		Florence A. Florance Trust Texas Commerce Bank NA Trustee Trust 2088 P.O. Box 951424 Dallas, TX 75395-1412	Yes	Yes
		James J. Florance Trust Texas Commerce Bank NA Trustee Trust 2093 P.O. Box 951412 Dallas, TX 75395-1412	Yes	Yes
		Maureen E. Florance Trust Texas Commerce Bank NA Trustee Trust 2517 P.O. Box 951412 Dallas, TX 75395-1412	Yes	Yes
		Maurice J. Florance Jr. Trust Texas Commerce Bank NA Trustee Trust 2094 P.O. Box 951412 Dallas, TX 75395-1412	Yes	Yes
		Richard H. Godfrey Revocable Trust Richard H. Godfrey Jr. Successor Trustee P.O. Box 18661 Oklahoma City, OK 73154-0661	No	Yes

<u>WORKING INTEREST OWNERS</u>	<u>ROYALTY INTEREST OWNERS</u>	<u>OVERRIDING ROYALTY NAME AND ADDRESS</u>	<u>MESA VERDE FORMATION</u>	<u>DAKOTA FORMATION</u>
		Grover Brothers Partnership P.O. Box 3666 Midland, TX 79702-3666	Yes	Yes
		Arden R. Grover P.O. Box 3666 Midland, Tx 79702-3666	Yes	Yes
		Allison Henderson Estate Franklin Metzner Personal Rep P.O. Box 23462 Tampa, FL 33623-3462	Yes	Yes
		Mozelle C. Hill 1405 Kenilworth Road Oklahoma, OK 73120-1412	No	Yes
		Paul B. and Susan D. Horton c/o McCall Parkhurst and Horton 900 Maxus Energy Tower 717 North Harwood, Suite 900 Dallas, TX 75201-6587	Yes	Yes
		Mary Anne and Robert L. Howard Joint Tenants 438 Fox Briar Sugarland, TX 77478-3717	Yes	Yes
		Richard A. Jennings Trustee P.O. Box 3759 Midland, TX 79702-3759	Yes	Yes

<u>WORKING INTEREST OWNERS</u>	<u>ROYALTY INTEREST OWNERS</u>	<u>OVERRIDING ROYALTY NAME AND ADDRESS</u>	<u>MESA VERDE FORMATION</u>	<u>DAKOTA FORMATION</u>
		W. L. Jennings 3310 Fairmont, Apt. P2C Dallas, TX 75201-1242	Yes	Yes
		Margaret A. Kearns Trust U/A F/B/O Helene D. Gorman Helen D. Gorman Turstee 1440 Osprey Avenue Naples, FL 33962-3410	Yes	Yes
		Margaret A. Kearns Trust James B. Draper Trustee F/B/O James B. Draper 77 South Birch Rd., Apt #8D Ft. Lauderdale, FL 33316-1556	Yes	Yes
		W. D. Kennedy 550 W. Texas #1225 Midland, TX 79701-4266	Yes	Yes
		League Davis Owners Texas Commerce Bank NA Agent and Atty in Fact Trust Minerals Section 32400 P.O. Box 200555 Houston, Tx 77216-0000	Yes	Yes
		James R. Leeton Jr. P.O. Box 10561 Midland, TX 79702-7561	Yes	Yes

<u>WORKING INTEREST OWNERS</u>	<u>ROYALTY INTEREST OWNERS</u>	<u>OVERRIDING ROYALTY NAME AND ADDRESS</u>	<u>MESA VERDE FORMATION</u>	<u>DAKOTA FORMATION</u>
		Pattie Beamon Lundell 1616 South Voss #870 Houston, TX 77057-2626	Yes	Yes
		Helen P. Matthews 200 Patterson Ave. 806 San Antonio, TX 78209-6268	No	Yes
		Sarah S. Mims Trust William Madsen and Sarah S. Mims CoTrustees P.O. Box 111846 Carrollton, TX 75011-1846	Yes	Yes
		Lloyd J. Ruth R. Money 1990 Trust Lloyd J. & Ruth R Money Trustees 904 21st Street Hermosa Beach, CA 90254-3105	Yes	Yes
		Nordan Trust Louis Belinsky Trustee 112 East Pecan, Suite 500 San Antonio, TX 78205-1516	Yes	Yes
		Pearl Neugent Nordan Anita Nordan Lindsay Atty in Fact 112 E. Pecan, Suite 500 San Antonio, TX 78205-1516	Yes	Yes

<u>WORKING INTEREST OWNERS</u>	<u>ROYALTY INTEREST OWNERS</u>	<u>OVERRIDING ROYALTY NAME AND ADDRESS</u>	<u>MESA VERDE FORMATION</u>	<u>DAKOTA FORMATION</u>
		Harry D. Porter Nationsbank of Texas NA Trustee No. 15-020-6401500 c/o Trust Oil and Gas P.O. Box 840738 Dallas, TX 75284-0738	Yes	Yes
		David Elbert Reese 2203 N. Belmont Richmond, TX 77469-5501	Yes	Yes
		Elizabeth Goodwin Reese 7800 Nairn Houston, TX 77074-5321	Yes	Yes
		Susan Ritter 1415 25th St. Galveston, TX 77550	Yes	Yes
		Joanne Thompson Rugeley 3813 Tolmas Metairie, LA 70002-1846	Yes	Yes
		Lorene Raybourn Smith Testamentary Trust Claud W. & Jesse S. Rayborn Co-Trustees 207 Wilshire Lane Newark, DE 19171-2757	Yes	Yes

<u>WORKING INTEREST OWNERS</u>	<u>ROYALTY INTEREST OWNERS</u>	<u>OVERRIDING ROYALTY NAME AND ADDRESS</u>	<u>MESAVERDE FORMATION</u>	<u>DAKOTA FORMATION</u>
		Betty West Stedman Lock Box Dept. P.O. Box 1349 Houston, TX 77251-1349	Yes	Yes
		E. Hunter Stone II Trust P.O. Box 61419 Denver, CO 80206-8419	Yes	Yes
		Enid Lillian Thompson MWood Robert Thompson Atty in Fact 316 Dahlia Denver, CO 80220-5714	Yes	Yes
		G. E. Thompson P. O. Box 111 Round Top, TX 78954-0111	Yes	Yes
		Llewellyn E. Thompson U/W/O Jane Monroe Thompson Individually and Trustee 333 Susnet Dr., Apt. 407 Ft. Lauderdale, FL 33301-2650	No	Yes
		Jane M. Thompson Trust The Four Seasons 333 Sunset Dr., Apt 407 Ft. Lauderdale, FL 33301-2641	Yes	No

<u>WORKING INTEREST OWNERS</u>	<u>ROYALTY INTEREST OWNERS</u>	<u>OVERRIDING ROYALTY NAME AND ADDRESS</u>	<u>MESA VERDE FORMATION</u>	<u>DAKOTA FORMATION</u>
		F. L. Tucker 501 Sage Road, #3 Houston, TX 77056-1421	Yes	Yes
		Fred E. Turner 4925 Greenville Avenue One Energy Square, Suite 852 Dallas, TX 75206-4079	Yes	Yes
		J. Glenn Turner Jr. 3131 Turtle Creek Blvd., Suite 1201 Dallas, TX 75219-5441	Yes	Yes
		John L. Turner P.O. Box 797215 Dallas, TX 75379-7215	Yes	Yes
		Union Oil Company of California P. O. Box 4531 Houston, TX 77210-4531	Yes	Yes
		Margaret Hardy Van Sant P. O. Box 817 League City, TX 77574-0817	Yes	Yes
		Rebecca Ann Reese Ward 2210 Custer Parkway Richardson, TX 75080-2502	Yes	Yes
		Neal S. Waterfall 12020 Southwest Par 4 Drive King City, OR 97224-2512	Yes	Yes

<u>WORKING INTEREST OWNERS</u>	<u>ROYALTY INTEREST OWNERS</u>	<u>OVERRIDING ROYALTY NAME AND ADDRESS</u>	<u>MESAVERDE FORMATION</u>	<u>DAKOTA FORMATION</u>
		Gladys Watford Trust Gladys Watford, Trustee 11 Greenway Plaza, Suite 2608 Houston, TX 77046-1105	Yes	Yes
		Wesley West Mineral Corporation P.O. Box 4383 Houston, TX 77010-4383	Yes	Yes
		James Wendell West P.O. Box 5591 Sherman Oaks, CA 91413-5591	Yes	Yes
		L. Doris Williams Estate William P. Traylor and John G. Heard Co-Dependent Executors P. O. Box 8306 Houston, TX 77288-8306	Yes	Yes
		Edward and Jacqueline Winterer Revocable Trust No. 1 Edward and Jacqueline Winterer Trs UCSD Mail Code 0212 La Jolla, CA 92093-0212	Yes	Yes
		Winterwider Family Revocable Trust Roy Fulwider and Joan Winterer Trustees 600 N. Sixth Street Santa Paula, CA 93060-1605	Yes	Yes

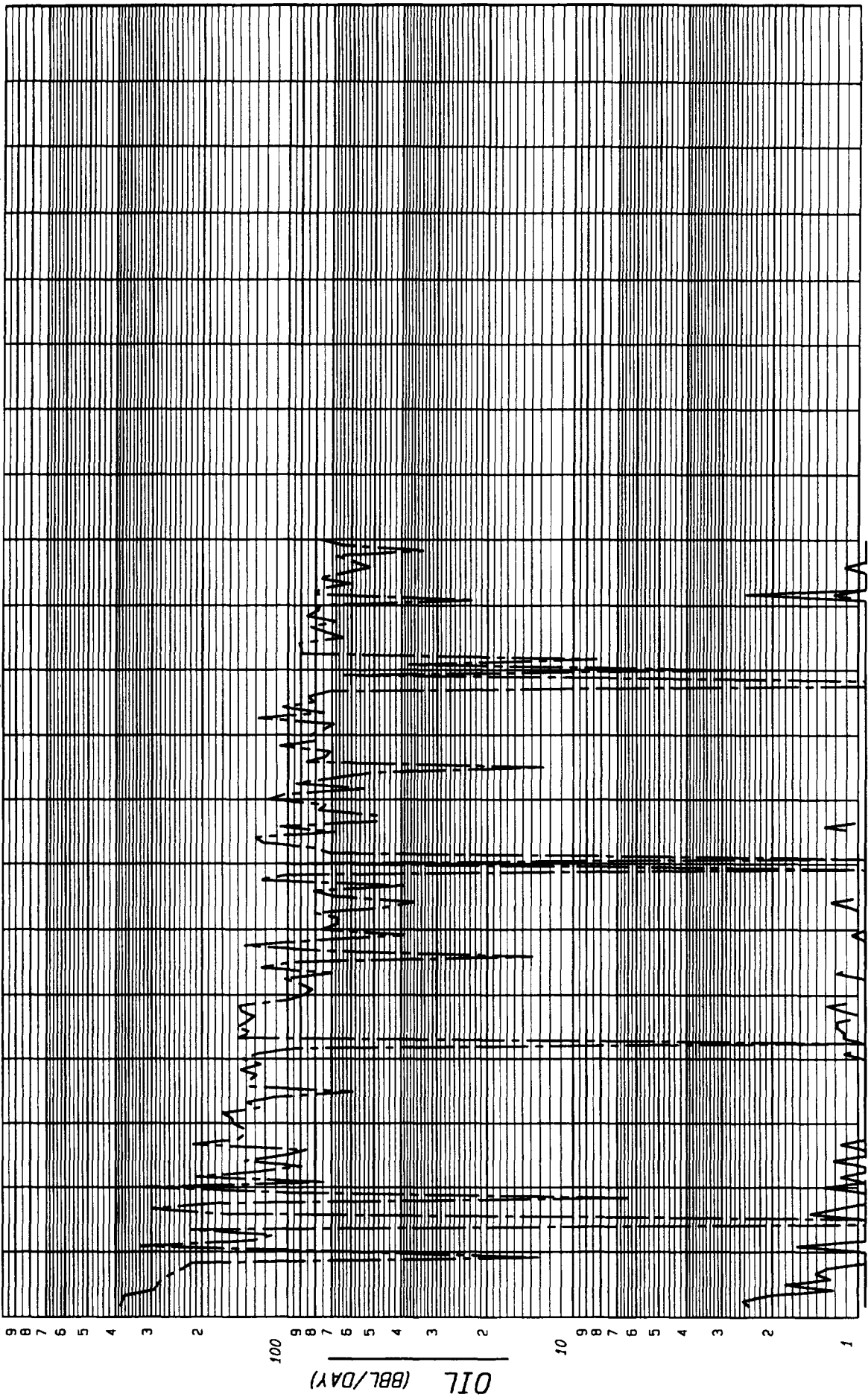
1000 Lease: GOOCH

00002E

Dwights

Retrieval Code: 251, 045, 28N08W29C00DK

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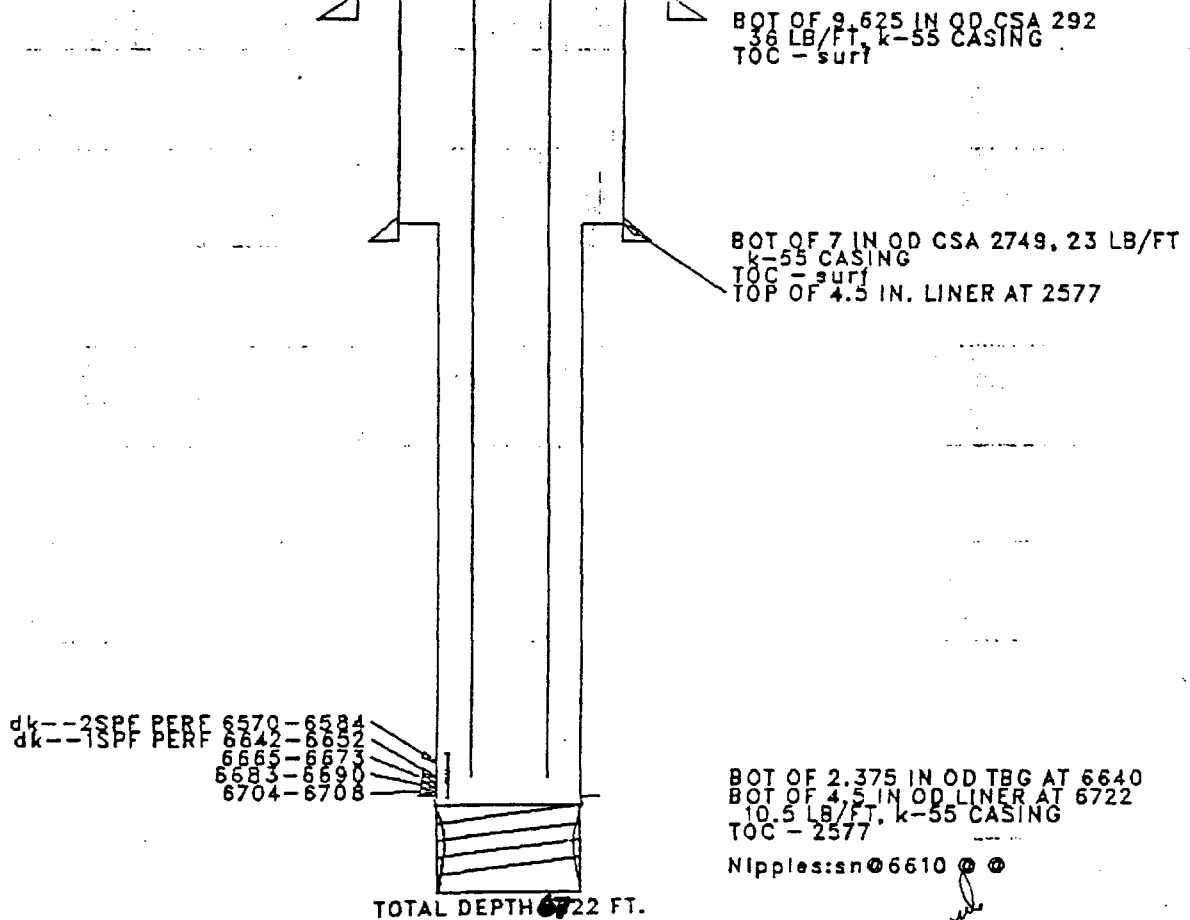


County: SAN JUAN
Field: BASIN (DAKOTA) DK
Reservoir: DAKOTA
Operator: AMOCO PRODUCTION CO
Oil Cum: 1998
Gas Cum: 462871
Location: 29C 28N 8W
State: NM

F.P. Date 02-82

Date: 08-22-94

GOOCH 002E 38
Location - 29C-28N-8W
SINGLE dk
Orig. Completion - 10/81
Last File Update - 1/89 by BCB



Day Memo
4/90

Cathodic Protection - N
none noted

Economic Threshold for Development

- **Drill Case**
 - Cost - \$500M
 - Reserves - 1.4 BCF
 - Initial Stabilized Rate - 400 mcf/d
- **Downhole Commingle Case**
 - Cost - \$200M
 - Reserves - 0.5 BCF
 - Initial Stabilized Rate - 200 mcf/d

*Order for
15% Bar*

