

## 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

## APPLICATION FOR DOWNHOLE COMMINGLING

Form C-107-A  
New 3-12-96

## APPROVAL PROCESS:

\_\_\_ Administrative \_\_\_ Hearing

## EXISTING WELLBORE

\_\_\_ YES \_\_\_ NO

MERRION OIL &amp; GAS CORPORATION

610 Reilly Avenue, Farmington, NM 87401-2634

Operator

Address

FiField Com

1E

E-05-29N-11W

San Juan

Lease

Well No.

Unit Ltr. - Sec. - Twp. - Rge

County

OGRID NO. 014634

Property Code 22343

API NO. 30-045-29517

Spacing Unit Lease Types: (check 1 or more)

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	Otero Chacra	Basin Dakota
2. Top and Bottom of Pay Section (Perforations)	2062'-70'	2572'-3516'	6497'-6675'
3. Type of production (Oil or Gas)	Gas	Gas	Gas
4. Method of Production (Flowing or Artificial Lift)	Flow	Flow	Flow
5. Bottomhole Pressure Oil Zones - Artificial Lift: Gas & Oil - Flowing: All Gas Zones: Estimated Current Measured Current Estimated Or Measured Original	a. (Current) 350 psi b. (Original) 560 psi	a. 500 psi b. 700 psi	a. 700 psi b. 1358 psi
6. Oil Gravity ( $^{\circ}$ API) or Gas BTU Content	BUT 1100	BTU 1100	BTU 1188
7. Producing or Shut-In?	SI-Not completed	Producing	Producing
Production Marginal? (yes or no)	Yes	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	Date: NA Rates: NA	Date: NA Rates: NA	Date: NA Rates: NA
* If Producing, give date and oil/gas/water rates of recent test (within 60 days)	Date: NA Rates: NA	Date: June, 1999 Rates: 38 MCFD 0 BOPD 0 BWPD	Date: June, 1999 Rates: 88 MCFD 1.7 BOPD 1.2 BWPD
8. Fixed Percentage Allocation Formula - % for each zone	Oil: % Gas: % *** Will be provided after Pictured Cliffs is completed.	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 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

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.

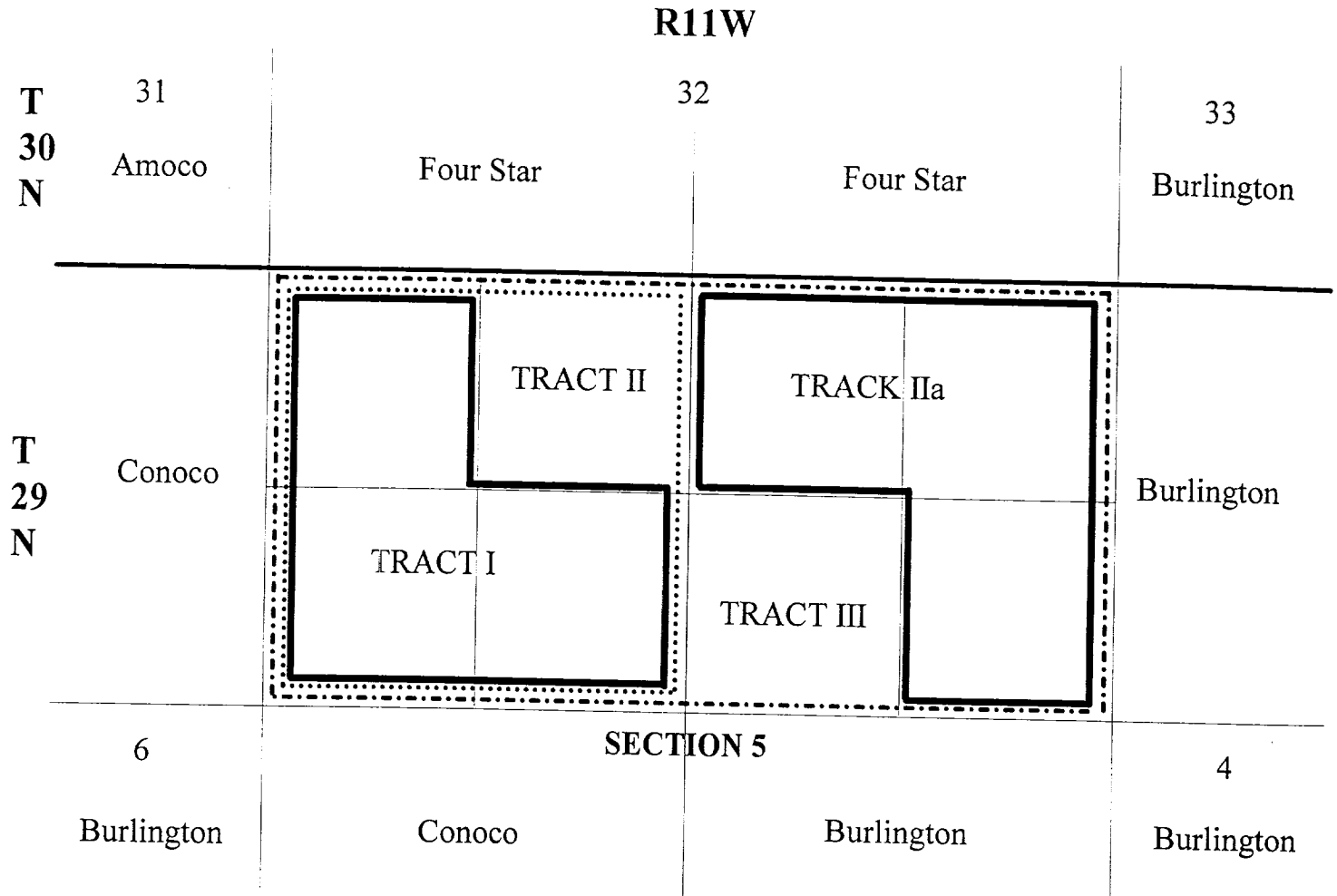
I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE George Sharpe TITLE Engineer DATE 8/25/99

TYPE OR PRINT NAME George F. Sharpe TELEPHONE NO. ( 505 ) 327-9801

RECEIVED  
AUG 27 1999  
OIL CON. DIV.  
DIST. 3

**EXHIBIT 1**  
**FIFIELD COM #1E**  
**Offset Operator Plat**  
**Lease Ownership Plat**  
**N/2 Section 5, T29N, R11W**  
**San Juan County, NM**



**LEASE OWNERSHIP**

Tract	Acres	Ownership	Chacra
I	114.11	Merrion et al	100.0%
II	33.65	Burlington	100.0%
IIa	105.92	Burlington	100.0%
III	40.00	Burlington	100.0%
<b>TOTAL</b>	<b>293.68</b>		

**LEGEND**

.....	Aztec Pictured Cliffs and Otero Chacra
....	Spacing Unit
----	Basin Dakota Spacing Unit

District I  
PO Box 1980, Hobbs, NM 88241-1980  
District II  
PO Drawer DD, Artesia, NM 88211-0719  
District III  
1000 Rio Brazos 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, 1994  
Instructions on back  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

RECEIVED  
97 DEC -9 PM 1:06

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 APT Number		2 Pool Code 71599		3 Pool Name Basin Dakota	
4 Property Code		5 Property Name Fifield Com			6 Well Number # 1 E
7 OGRID No. 014634		8 Operator Name MERRION OIL & GAS			9 Elevation 5849'

10 Surface Location

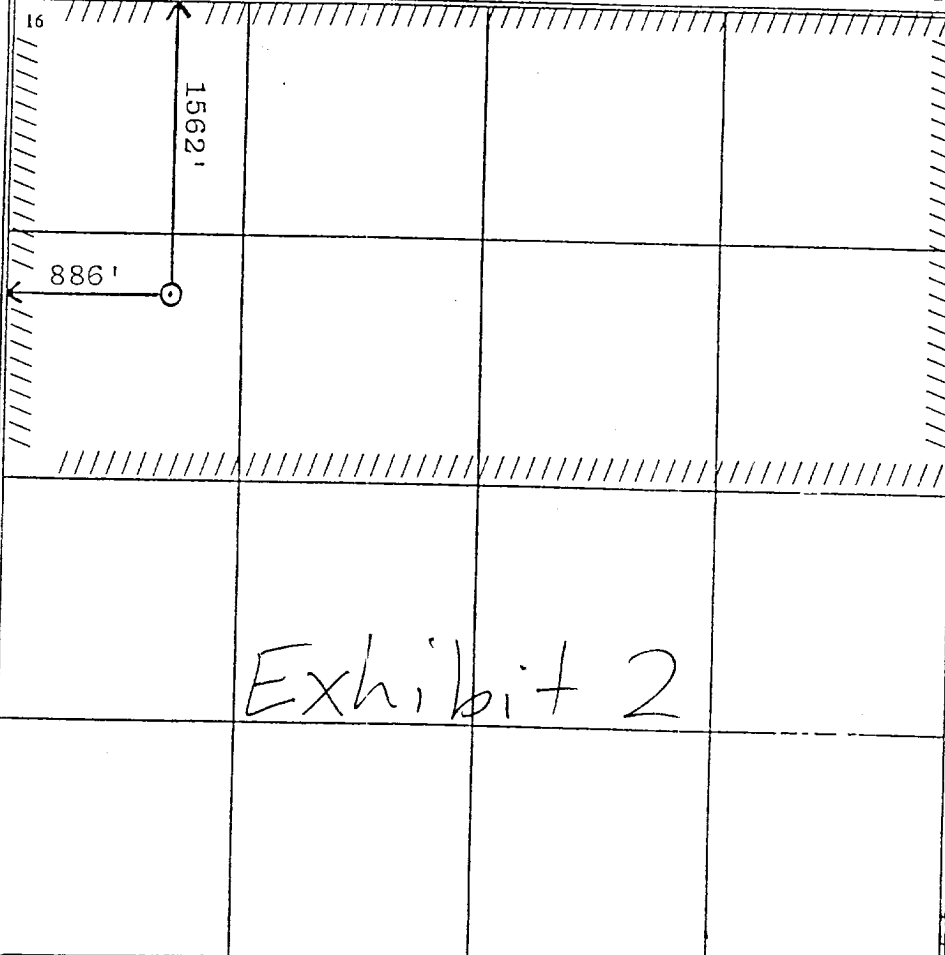
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	5	29 N	11 W	SWNW	1562	North	886	West	San Juan

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

12 Dedicated Acres 320	13 Joint or Infill	14 Consolidation Code	15 Order No. Will be communitized
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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>  <p>1562'</p> <p>886'</p> <p>Exhibit 2</p>	<div>17 OPERATOR CERTIFICATION</div> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief</p> <p><i>Steven S. Dunn</i></p> <p>Signature</p> <p>Steven S. Dunn</p> <p>Printed Name</p> <p>Drlg &amp; Prod Manager</p> <p>Title</p> <p>12/8/97</p> <p>Date</p>
	<div>18 SURVEYOR CERTIFICATION</div> <p>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.</p> <p>97</p> <p>Date of Survey</p> <p>NEW MEXICO</p> <p>6844</p> <p>REGISTERED LAND SURVEYOR</p> <p>6844</p> <p>Certificate Number</p>

District I  
 PO Box 1980, 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

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

☐ AMENDED REPORT

# WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number 30-045-29517		<sup>2</sup> Pool Code 82329	<sup>3</sup> Pool Name OTERO CHACRA <i>EXT</i>
<sup>4</sup> Property Code 22343	<sup>5</sup> Property Name FiField Com		<sup>6</sup> Well Number 1E
<sup>7</sup> OGRID No. 014634	<sup>8</sup> Operator Name MERRION OIL & GAS CORPORAITON		<sup>9</sup> Elevation 5849

## <sup>10</sup> Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	05	29N	11W	SWNW	1562	NORTH	886	WEST	SAN JUAN

## <sup>11</sup> 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

<sup>12</sup> Dedicated Acres 148	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No. Will be communitized
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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

	<p><b>RECEIVED</b>          AUG 31 1998          OIL CON. DIV.          PLAT. 3</p>	<p><b>17 OPERATOR CERTIFICATION</b>          I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief</p>
		<p>Signature <i>George Sharpe</i>          Printed Name George F. Sharpe          Title Engineer          Date 8/28/98</p>
		<p><b>18 SURVEYOR CERTIFICATION</b>          I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under</p>
		<p>Date of Survey          Signature and Seal of Professional Surveyer:</p>
		<p>Certificate Number</p>

District I  
1625 N. French Dr., Hobbs, NM 88240  
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

OIL CONSERVATION DIVISION  
2040 South Pacheco  
Santa Fe, NM 87505

Form C-102  
Revised March 17, 1999

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

1 API Number 30-045-29517		2 Pool Code 71280		3 Pool Name Aztec Pictured Cliffs	
4 Property Code 022343		5 Property Name FiField Com			6 Well Number 1E
7 OGRID No. 014634		8 Operator Name Merrion Oil & Gas Corporation			9 Elevation 5849'

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
E	05	29N	11W	SWNW	1562	North	886	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

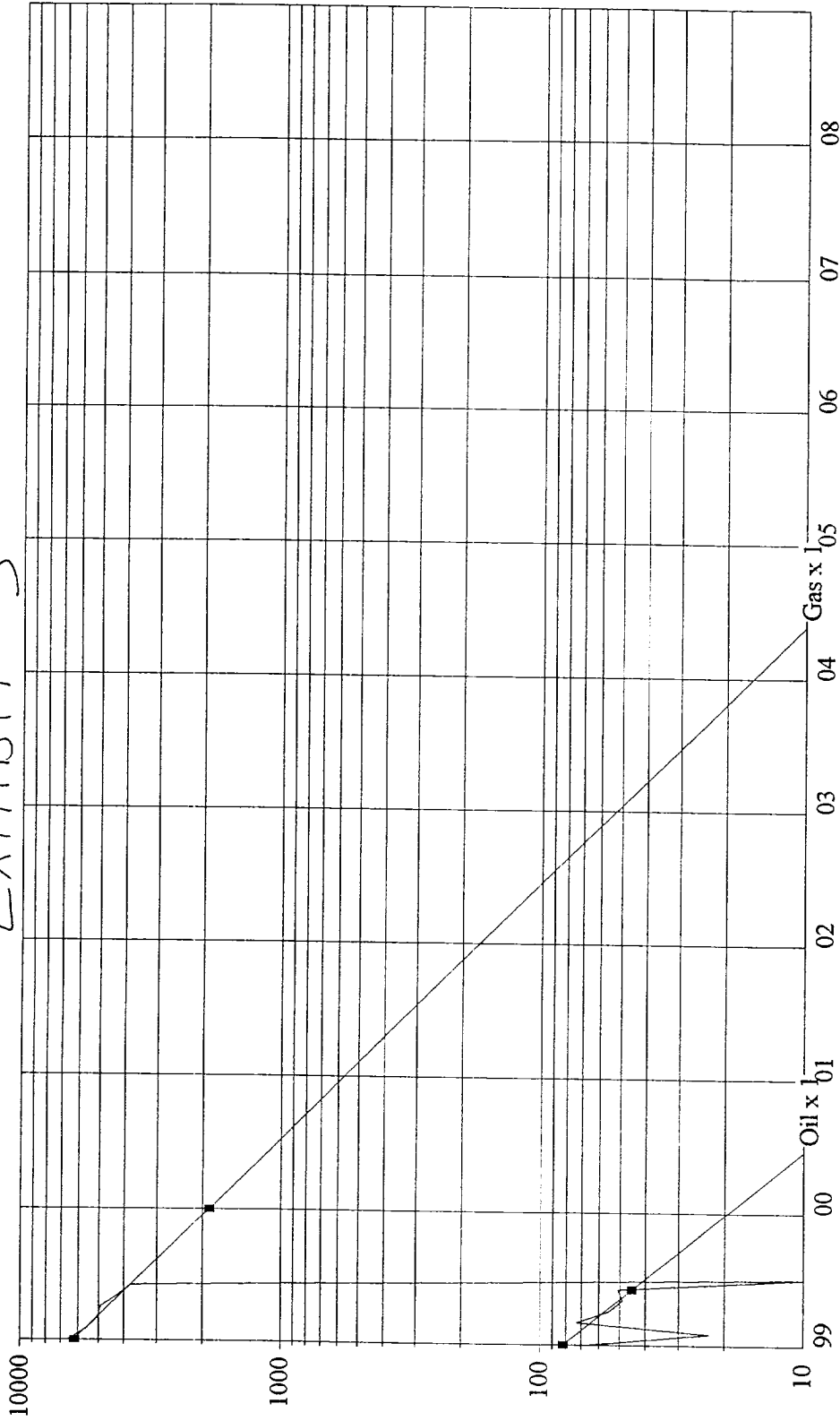
12 Dedicated Acres 148	13 Joint or Infill	14 Consolidation Code	15 Order No.
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	<p>17 OPERATOR CERTIFICATION</p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief</p> <p>Signature: <i>George Sharpe</i></p> <p>Printed Name: George F. Sharpe</p> <p>Title: Engineer</p> <p>Date: 8/25/99</p>	
	<p>18 SURVEYOR CERTIFICATION</p> <p>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.</p> <p>Date of Survey</p> <p>Signature and Seal of Professional Surveyor</p> <p>Certificate Number</p>	

Fifield 1 E (000001 - 100%), DK/CH

EXHIBIT 5



Fifield 1 E (000001 - 100%)

DK/CH

TM

San Juan, NM

Cumulative:

Remaining:

Ultimate:

Oil (bbl)

316

Recalculate

Recalculate

Gas (mcf)

30,129

Recalculate

Recalculate

Water (bbl)

0

Recalculate

Recalculate

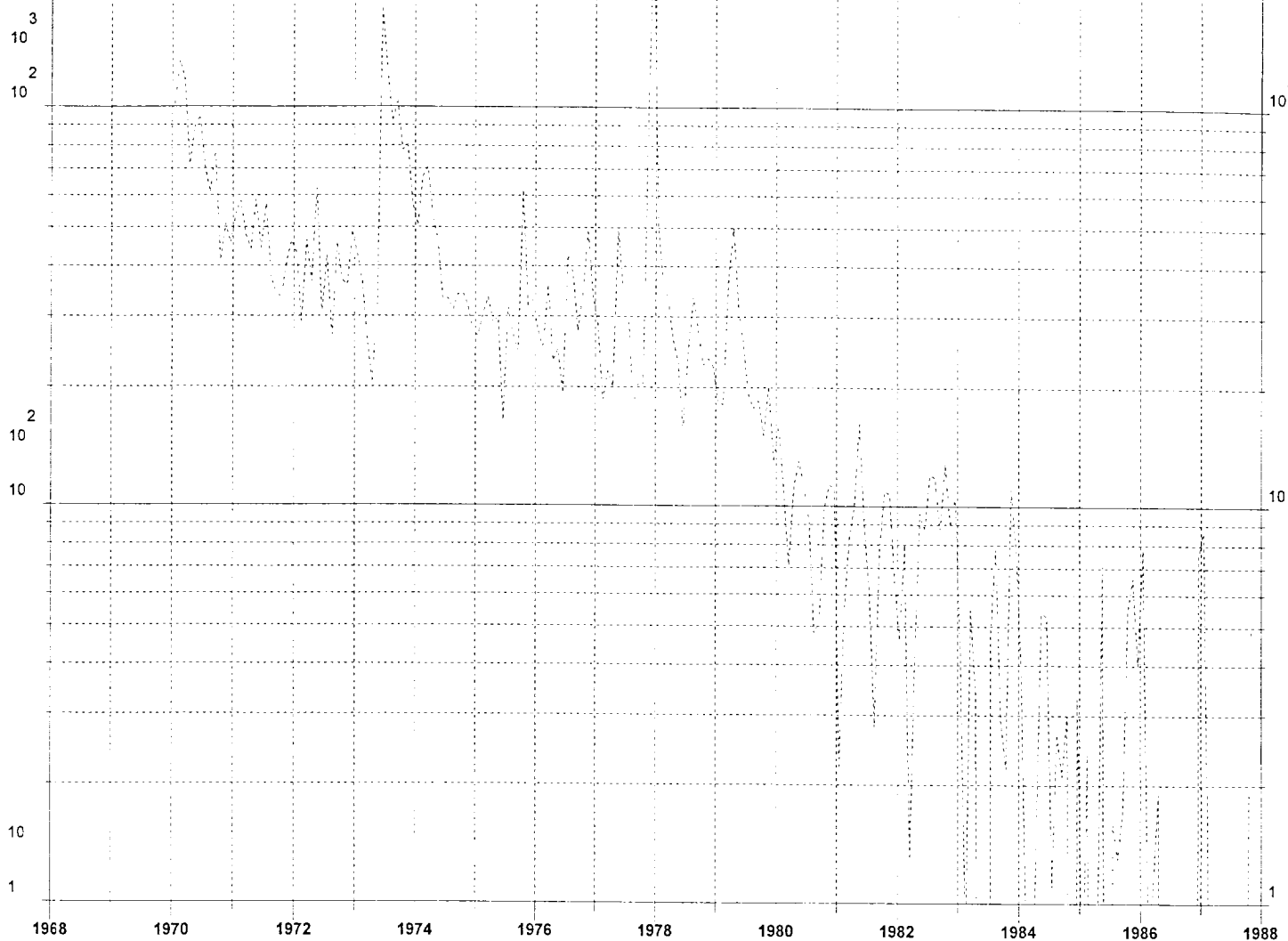
# Dwights

Lease: DUFF (000001)

08/25/99

Retrieval Code: 251,045,29N11W05E00PC

## EXHIBIT 6 Duff 1 Production - PC



Water (bbl/mo)

County: SAN JUAN

F.P. Date: 06/53

Oil (bbl/mo)

Gas (mcf/mo)

Field: AZTEC (PICTURED CLIFFS) PC

Oil Cum: 0 bbl

Reservoir: PICTURED CLIFFS

Gas Cum: 339.0 mmcf

Operator: BURLINGTON RES O&G CO

Location: 5E 29N 11W

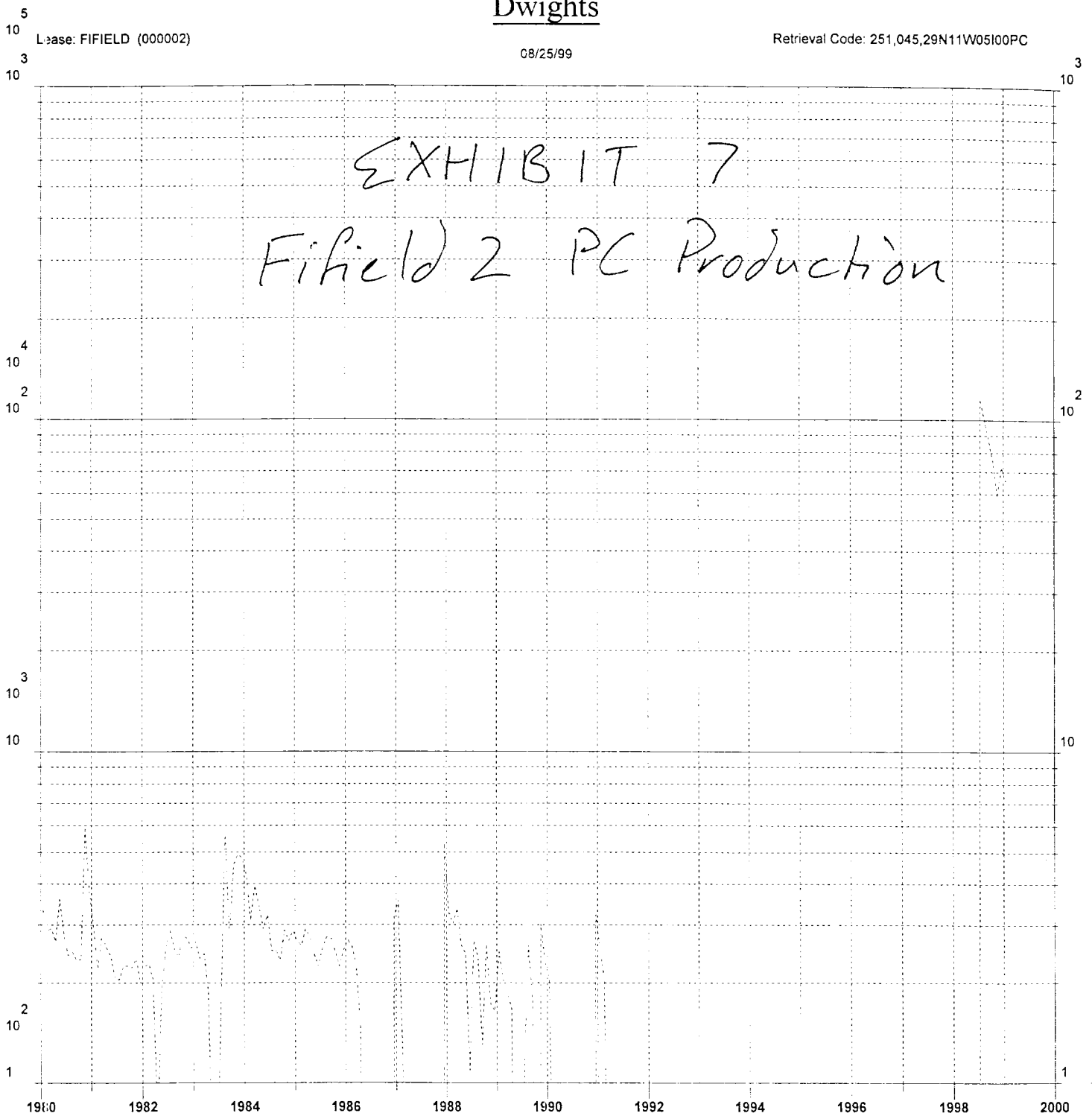
# Dwights

Lease: FIFIELD (000002)

08/25/99

Retrieval Code: 251,045,29N11W05I00PC

## EXHIBIT 7 Fifield 2 PC Production



Water (bbl/mo)

County: SAN JUAN

F.P. Date: 03/55

Oil (bbl/mo)

Gas (mcf/mo)

Field: AZTEC (PICTURED CLIFFS) PC

Oil Cum: 79 bbl

Reservoir: PICTURED CLIFFS

Gas Cum: 959.1 mmcf

Operator: BURLINGTON RES O&G CO

Location: 51 29N 11W



## EXHIBIT 8

### Fifield Com #1E Commingling Application Notification of Owners in Well

#### Working Interest Owners:

Burlington Resources  
Attn: Dean Price  
P.O. Box 4289  
Farmington, NM 87499-4289

#### Royalty Interest Owners:

Department of the Interior  
Minerals Management Service  
P.O. Box 5810  
Denver, CO 80217-5810

Catherine L. Fifield  
6412 Prairie NE  
Albuquerque, NM 87109

Ethel F. Garrison Zenor  
19502 Keystone Drive  
Sun City West, AZ 85375

Myra Frances E. Clark, Trustee  
Estate of Lois F. Everett, Dec'd.  
P.O. Box 1094  
Prescott, AZ 86302-1094

#### Overriding Royalty Interest Owners:

Gayle D. Fogelson  
300 Crescent Court, Suite 920  
Dallas, TX 75201-1841

Chase Oil Corporation  
P.O. Box 1767  
Artesia, NM 88211-1767

Henrietta E. Schultz, Trustee  
Henrietta Schultz Revocable Trust  
500 N. Akard Street, #2160  
Dallas, TX 75201

## EXHIBIT 9

### Fifield Com #1E Commingling Application Notification of Offset Operators

Amoco Production Company  
Attn: Steve Trefz  
P.O. Box 800  
Denver, CO 80201-0800

Burlington Resources  
Attn: Dean Price  
P.O. Box 4289  
Farmington, NM 87499-4289

Conoco Inc.  
Attn: Steve Klein  
10 Desta Drive, Suite 100W  
Midland, TX 79705-4500

Four Star Oil & Gas Co.  
Attn: Chuck Snure  
P.O. Box 2100  
Denver, CO 80201-2100