

DHC 12/26/97

1774

RECEIVED

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240
DISTRICT II
811 South First St., Arroyo, NM 88210
DISTRICT III
1000 Pecos Blvd. NE, Alamogordo, NM 88410

State of New Mexico
Energy, Minerals and Natural Resources Department
OIL CONSERVATION DIVISION
2040 S. Pacheco
Santa Fe, New Mexico 87505-8429

Form C-107-A
New 3-12-86

APPROVAL PROCESS:
 Administrative Hearing
EXISTING WELLBORE
 YES NO

Burlington Resources Oil & Gas Company P.O. Box 51810 Midland, Texas 79710-1810

Pitchfork '4' Federal No. 2 K, 4, 25S, 34E Lea

GRID NO. 26485 Property Code 014332 API NO. 30-025-30331

The following facts are submitted in support of downhole commingling:	Upper Zone	Intermediate Zones	Lower Zone
1. Pool Name and Pool Code	Pitchfork Ranch Wolfcamp 82950		Pitchfork Ranch Strawn 50374
2. Top and Bottom of Pay Section (Perforations)	Pro. 13,470' - 13,525'		Pro. 13,675, 13,806'
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 Current Measured Current Estimated Or Measured Original	a. (Current)	a.	a.
	b. (Original) Est. 7035 psi	b.	b. Est. 9350 psi
6. Oil Gravity (°API) or Gas BTU Content	Est. 1083		Est. 1059
7. Producing or Shut-in?	To be completed		To be completed
Production Marginal? (yes or no) * 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 * If Producing, give date and oil/gas/water rates of recent test (within 60 days)	Date: See Attached Rates:	Date: Rates:	Date: See Attached Rates:
	Date: Rates:	Date: Rates:	Date: Rates:
8. Fixed Percentage Allocation Formula - % for each zone	Oil: 0 % Gas: 65 %	Oil: % Gas: %	Oil: 0 % Gas: 35 %

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. NMOC Reference Cases for Rule 303(C) 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 Maria Perez TITLE Regulatory Compliance DATE 12/1/97
TYPE OR PRINT NAME Maria Perez TELEPHONE NO. (915) 688-6906

District I
PO Box 1980, Hobbs, NM 88241-1980
District II
811 S. 1st Street, Artesia, NM 88210-2834
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

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

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-03331		² Pool Code 82950		³ Pool Name Pitchfork Ranch Wolfcamp	
⁴ Property Code 014332		⁵ Property Name Pitchfork '4' Federal			⁶ Well Number
⁷ OGRID No. 26485		⁸ Operator Name Burlington Resources Oil & Gas Company			⁹ Elevation 3361'

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
K	4	25S	34E		1830'	South	1980'	West	Lea

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

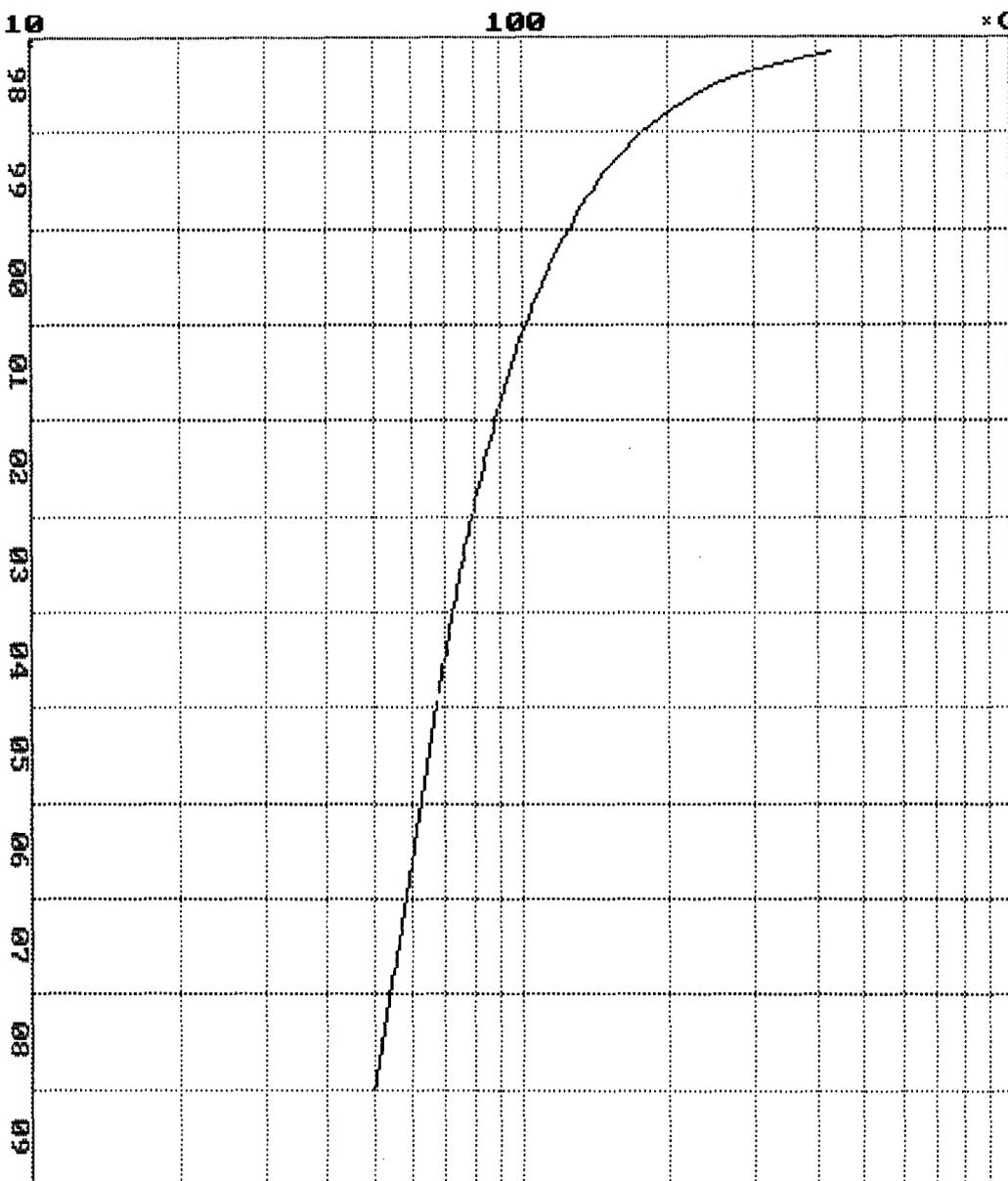
¹² Dedicated Acres 320	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON--STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

	<p>¹⁷ OPERATOR CERTIFICATION</p> <p><i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</i></p> <p style="text-align: right;"><i>Maria Perez</i></p> <p>Signature</p> <p>Maria Perez</p> <p>Printed Name</p> <p>Regulatory Compliance</p> <p>Title</p> <p>12/1/97</p> <p>Date</p>
	<p>¹⁸ SURVEYOR CERTIFICATION</p> <p><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></p> <p>Date of Survey</p> <p>Signature and Seal of Professional Surveyer:</p> <p>Certificate Number</p>

PITCHFORK 4 FEDERAL 1 2 1 3044B-1

* GAS



Prop Z1 *

* GAS MCF/D

-
-
-

RateTime
 Semi Log

EUR 376,568

Cum Rem 0
376,568
Rem% 100.0%
Yrs 10.92

Date 3/1/1998

Act 0
Qmo 12,103

Q 435
n 2
De 95

Qab 50

GetQual WDJFCAMP

Major = GAS

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 2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
 Energy, Minerals & Natural Resources Department

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

OIL CONSERVATION DIVISION
 2040 South Pacheco
 Santa Fe, NM 87505

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-03331		² Pool Code 50374		³ Pool Name Pitchfork Ranch Strawn	
⁴ Property Code 014332		⁵ Property Name Pitchfork '4' Federal			⁶ Well Number
⁷ OGRID No. 26485		⁸ Operator Name Burlington Resources Oil & Gas Company			⁹ Elevation 3361'

¹⁰ Surface Location

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UL or lot no.	Section	Township	Range	Lot. Idn	Feet from the	North/South Line	Feet from the	East/West line	County

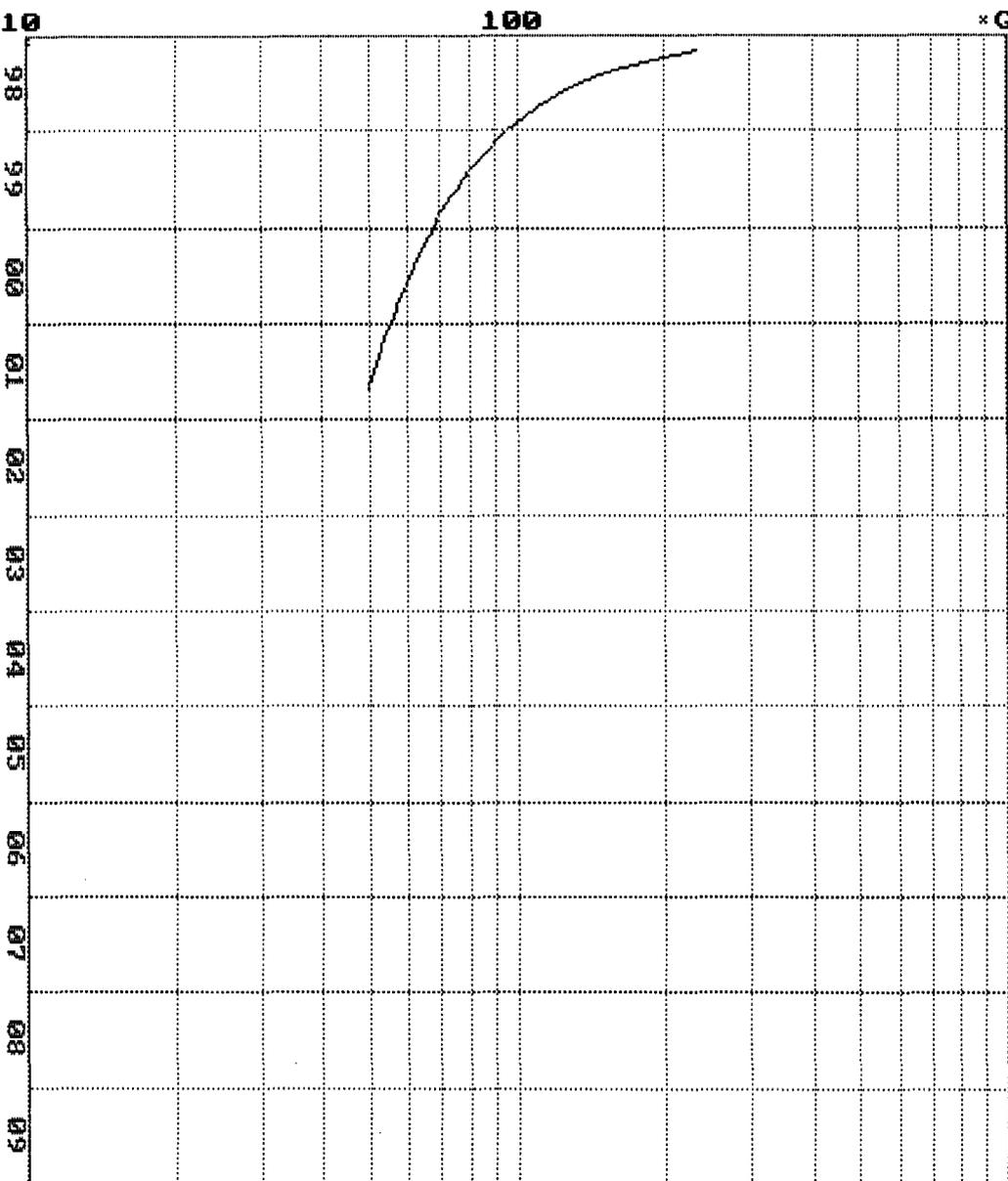
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	<p>¹⁸ SURVEYOR CERTIFICATION</p> <p><i>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</i></p> <p>Date of Survey</p> <p>Signature and Seal of Professional Surveyer:</p> <p>Certificate Number</p>

PITCHFORK 4 FEDERAL 1 2 1 3044B-1

* GAS



Prop 21 *

* GAS Mcf/d

RateTime
 Semi Log

EUR 105,936

Cum 0

Rem 105,936

Rem% 100.0%

Yrs 3.59

Date 3/1/1998

Act 0

Qmo 6,538

Q 235

n 2

De 95

Qab 50

GetQual STRAIN

Major = GAS

**ADMINISTRATIVE APPLICATION
DOWNHOLE COMMINGLING
PITCHFORK '4' FEDERAL WELL NO. 2
LEA COUNTY, NEW MEXICO**

ADDITIONAL SUPPORTING INFORMATION

The allocation method of 65% to the Wolfcamp and 35% to the Strawn was calculated based on production information obtained from an offset well located 1.8 mile northwest of this well. The offset was completed in the Wolfcamp in 1984, and subsequently recompleted to the Strawn in mid 1990. Bottomhole pressures and Gas BTU content was based on an average of wells producing from the perspective zones in and around the area including wells across the Texas state line. Due to the nature of the zones being discontinuous, an average of production, bottomhole pressures, and Gas BTU was utilized.

**BURLINGTON RESOURCES OIL & GAS COMPANY (OGRID #26485)
APPLICATION FOR ADMINISTRATIVE APPROVAL
PITCHFORK '4' FEDERAL WELL NO. 2 (PROPERTY # 014332)
PITCHFORK RANCH STRAWN (50374)
PITCHFORK RANCH WOLFCAMP (82950)
LEA COUNTY, NEW MEXICO**

OFFSET OPERATOR NOTIFICATION

**Enron Oil & Gas Company
P.O. Box 2267
Midland, Texas 79702-2267**

**BTA Oil Producers
104 South Pecos
Midland, Texas 79701**

**Malcolm R. Madera
P.O. Box 1986
Carlsbad, New Mexico 88220**

**Roy C. Allen
Maxie T. Allen
John Patrick Allen
Louis Charles Weaver
c/o Roy C. Allen
P.O. Box 4054
Benson, AZ 85602**

**Paul Page Jr.
214 West Texas, Ste. 407
Midland, Texas 79701**

**Ruth & Duer Wagner, Jr.
1400 Continental Plaza
777 Main Street
Ft. Worth, Texas 76102**

**Robert E. Landreth
505 N. Big Spring, Ste. 507
Midland, Texas 79701**

**Amerada Hess Corp.
P.O. Box 2040
Houston, Texas 77252-2040
ATTN: Land Department**

**Bobby Greg Cohea
Lindy J. Cohea
312 Elwood Drive
Edmond, Oklahoma 73013**

**Iris E. Brinninstool, Life Estate
Ferinez Phelps, Remainderman
1523 Hilton Avenue
Columbus, GA 31906**

**Lee W. & Patricia Horton
1225 S. Park
San Angelo, Texas 76901**

**Virginia K. Smith, individually &
as Executrix of Estate of Hugh
B. Smith
1400 Continental Plaza
777 Main Street
Ft. Worth, Texas 76102**

**Alonzo Monk Bryan
P.O. Box 758
Lake Janaluska, NC 28745**

Ruth Daggett
1400 Continental Plaza
777 Main Street
Ft. Worth, Texas 76102

Charles B. Harris, Trustee
3100 Continental Plaza
Ft. Worth, Texas 76102

Billie Johns
15548 Vista Vincente
Ramona, CA 92065

Daniel M. Galbreath
Executor of the Estate of
Dorothy Bryan Galbreath,
Deceased
180 E. Broad Street
Columbus, Ohio 43215

Alan Jackinsen
2402 Cimmaron
Midland, Texas 79705



GOVERNOR

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
HOBBS DISTRICT OFFICE

3/11/98

DHC-1774

POST OFFICE BOX 1980
HOBBS, NEW MEXICO 88241-1980
(505) 393-6161

OIL CONSERVATION DIVISION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

RE: Proposed:

MC	_____
DHC	_____ X _____
NSL	_____
NSP	_____
SWD	_____
WFX	_____
PMX	_____

Gentlemen:

I have examined the application for the:

<i>Burlington Res O&G Co</i>	<i>Pitchfork 4 Fed</i>	<i>#2-K-4-25s-34e</i>
Operator	Lease & Well No.	Unit S-T-R

and my recommendations are as follows:

None

Yours very truly,

Chris Williams
Supervisor, District 1

/ed

