



NEW MEXICO ENERGY, MINERALS  
& NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION  
2040 South Pacheco Street  
Santa Fe, New Mexico 87505  
(505) 827-7131

April 20, 1998

RECEIVED  
MAY - 1 1998

OIL CON. DIV.  
DIST. 3

Burlington Resources Oil & Gas Company  
P. O. Box 4289  
Farmington, New Mexico 87499-4289  
Attention: Peggy Bradfield

*Administrative Order NSL-4009*

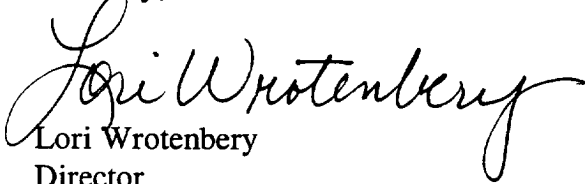
Dear Ms. Bradfield:

Reference is made to your application dated March 27, 1998 for an unorthodox gas well location in both the Blanco-Mesaverde and Basin-Dakota Pools for the existing Grenier "B" Well No. 3 (API No. 30-045-08695) 1225 feet from the South line and 2070 feet from the West line (Lot 15/Unit K) of irregular Section 5, Township 29 North, Range 10 West, NMPM, San Juan County, New Mexico.

Production from both pools in said well are to be included in the existing standard 294.52-acre gas spacing and proration units comprising Lots 13 through 20 (S/2 equivalent) of said Section 5, which production is currently dedicated to the applicant's Grenier "B" Well No. 3-E (API No. 30-045-24884), located at a standard gas well location for both the Blanco-Mesaverde and Basin-Dakota Pools 1530 feet from the South line and 1530 feet from the East line (Lot 13/Unit J) of said Section 5.

By the authority granted me under the provisions of Rule 2(d) of the "*General Rules for the Prorated Gas Pools of New Mexico/Special Rules and Regulations for the Blanco-Mesaverde Pool/Special Rules and Regulations for the Basin-Dakota Pool*," as promulgated by Division Order No. R-8170, as amended, the above-described unorthodox Dakota/Mesaverde gas well location for the Grenier "B" Well No. 3 is hereby approved.

Sincerely,

  
Lori Wrotenberg  
Director

LW/MES/kv

cc: New Mexico Oil Conservation Division - Aztec  
U. S. Bureau of Land Management - Farmington

# BURLINGTON RESOURCES

SAN JUAN DIVISION

March 27, 1998

**Federal Express**

Mr. Michael Stogner  
New Mexico Oil Conservation Division  
2040 South Pacheco Street  
Santa Fe, New Mexico 87505

RECEIVED  
MAR 30 1998

OIL CON. DIV.  
DIST. 3

Re: Grenier B #3  
1225'FSL, 2070'FWL, Section 5, T-29-N, R-10-W, San Juan County  
30-045-08695

Dear Mr. Stogner:

This is a request for administrative approval for a non-standard gas well location in both the Blanco Mesa Verde and Basin Dakota pools.

Burlington Resources intends to recompleate the Grenier B #3 in the Blanco Mesa Verde pool and commingle with the Basin Dakota. Application has been made for the downhole commingling.

This well was drilled and completed in 1962 by Aztec Oil & Gas as a single Basin Dakota well. At that time the C102 well location plat stated 1650'FSL, 1650'FWL Section 5, T-29-N, R-10-W. A revised C102 plat was issued April 17, 1969 showing the location at 1225'FSL, 2070'FWL, Section 5, T-29-N, R-10-W. In researching the Company file and files at the New Mexico Oil Conservation Division, no order for the non-standard location of the Dakota can be found. In 1971 the Pont Lookout member of the Blanco Mesa Verde was opened and then cement squeezed due to water production. No production was made from the Mesa Verde at that time.

Production from the Blanco Mesa Verde and the Basin Dakota is included in a 294.52 acre gas spacing and proration unit ("GPU") comprising of the south half (S/2) of Section 5.

To comply with the New Mexico Oil Conservation Division rules, we are submitting the following for your approval of this non-standard location:

1. Original Application for Permit to Drill and C102 plat - 1961
2. C-102 plat showing location of the well - revised 1969;
3. Plat showing offset owners/operators;
4. Affidavit of notification of offset owners/operators;
5. Copy of Well Completion Log for original completion.
6. Subsequent sundry for opening and squeeze cementing Mesa Verde in 1971

Mr. Michael Stogner  
Page Two  
March 27, 1998

Grenier B #3 Application for Non-Standard Location

Three copies of this application are being submitted to all offset owners/operators by certified mail with a request that they furnish your Santa Fe office with a copy of Waiver of Objection, return one copy to this office, and retain one copy for their files.

Sincerely yours,

BURLINGTON RESOURCES



Peggy Bradfield  
Regulatory/Compliance Representative

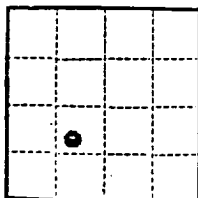
**WAIVER**

\_\_\_\_\_ hereby waives objection to Burlington Resources' application for non-standard location for the Grenier B #3 as proposed above.

By: \_\_\_\_\_ Date: \_\_\_\_\_

xc: Bureau of Land Management – Farmington  
New Mexico Oil Conservation Division – Aztec  
Amoco Production  
Conoco Inc.

(SUBMIT IN TRIPLICATE)



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Land Office Santa Fe  
Lease No. SP-57815  
Unit Greiner

FEB 10 1962  
P. J. McLaughlin

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	<input checked="" type="checkbox"/>	SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

February 16, 1962

Well No. 3 is located 1650 ft. from N line and 1650 ft. from E line of sec. 5

SW 1/4 Section 5 20N 10E N.M.P.M.  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)

Dakota Santa Fe New Mexico  
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 5775 ft. (Ungraded Ground)

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Propose To: Set 300 ft. of 5 5/8" surface casing and cement to surface. Drill with rotary to approximate total depth of 6775 ft. or through the Dakota formation. Set 4 1/2" production casing at total depth and cement with 200 sk. Set two-stage cement collar below the Mesaverde formation and cement with 400 sk. to cover the Mesaverde and Pictured Cliffs formations.

Perforate the Dakota and sand-water frac with approximately 80,000 sk. sand and 80,000 gals. water. Run 2 1/8" tubing.

South one-half, 320 acres, of Section 5 dedicated to this well.  
I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Astec Oil and Gas Company

Address P. O. Drawer 570

Farmington, New Mexico

ORIGINAL SIGNED BY JOE C. SALMON

By \_\_\_\_\_

Joe C. Salmon

Title District Superintendent

# NEW MEXICO OIL CONSERVATION COMMISSION Well Location and Acreage Dedication Plat

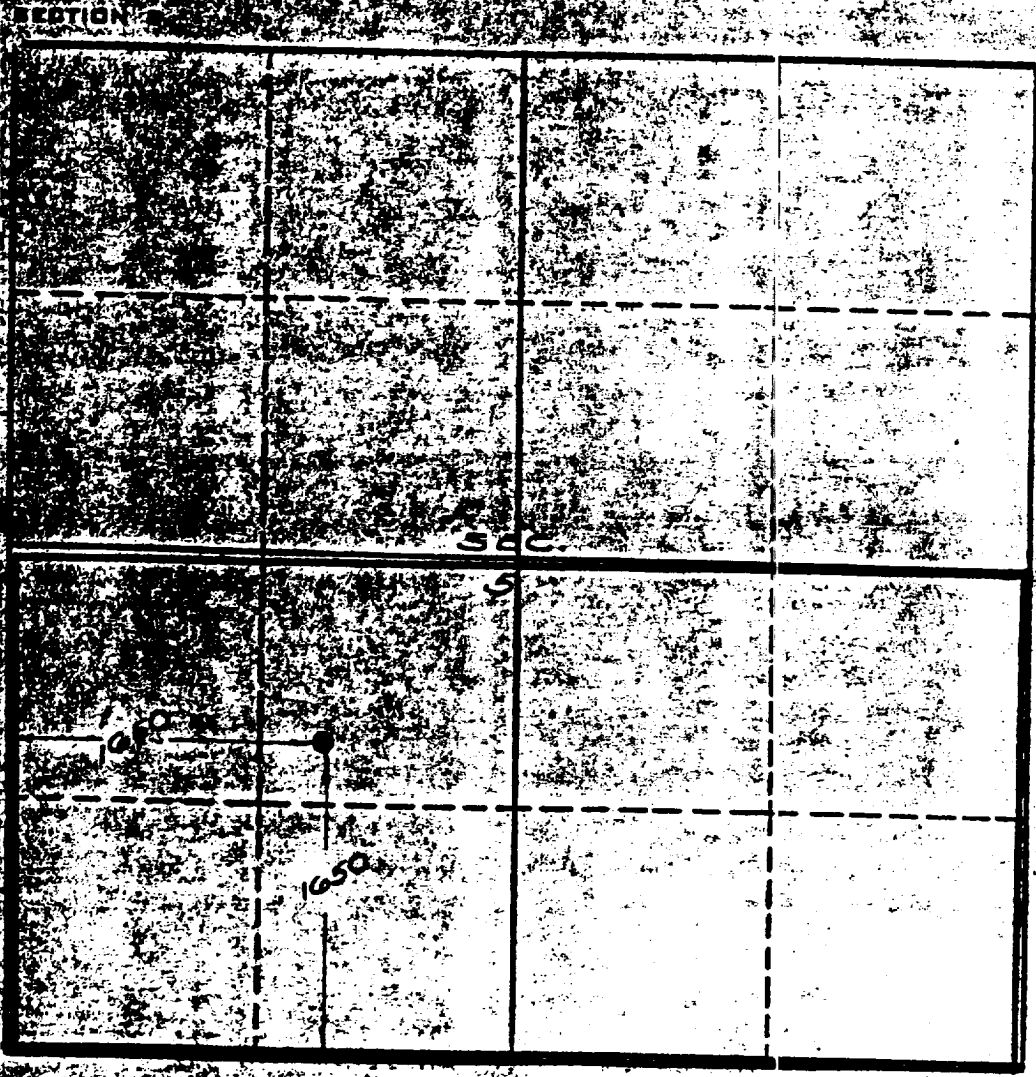
SECTION A Date February 15, 1962  
 Operator Artes Oil and Gas Company Lease Grenier "B"  
 Well No. 3 Unit Letter K Section 5 Township 29N Range 10W NMPA  
 Located at 1650 Feet From South Line, 1650 Feet From West Lin  
 County San Juan G. L. Elevation 5773 Dedicated Acreage 320 Acre  
 Name of Producing Formation Dakota Pool Dakin

Is the Operator the only owner in the dedicated acreage outlined on the plat below? Yes ☒ No

If the answer to question One is "No," have the interests of all the owners been consolidated by communitization agreement or otherwise? Yes ☐ No ☐ If answer is "Yes," Type of Consolidation

If the answer to question Two is "No," list all the owners and their respective interests below:

OWNER	LAND DESCRIPTION
-------	------------------



This is to certify that the information in Section A above is true and complete to the best of my knowledge and belief.

Artes Oil and Gas Company  
(OPERATOR)

ORIGINAL SIGNED BY JOE C. SALMON

(REPRESENTATIVE)  
Joe C. Salmon, Dist. Supt.  
Drawer 570, Farmington, N.M.  
 (ADDRESS)

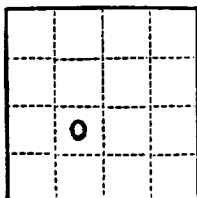
This is to certify that the well location shown on the plat in Section B was plotted from field notes of actual surveys made by me or under my supervision and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed FEB 13 1962

Four States Engineering Co.  
FARMINGTON, NEW MEXICO

John N. Vial  
REGISTERED ENGINEER OR  
LAND SURVEYOR

Certificate No. 578



(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Land Office Santa Fe  
Lease No. NM 03561  
Unit Grenier

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	XX
NOTICE OF INTENTION TO CHANGE PLANS.....	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....	SUBSEQUENT REPORT OF ALTERING CASING.....	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....	
NOTICE OF INTENTION TO ABANDON WELL.....		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

February 23, 1962

Grenier "B"  
Well No. 3 is located 1650 ft. from S line and 1650 ft. from W line of sec. 5

SW 1/4 Section 5 T-29N R-10W N.M.P.M.  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)

Basin Dakota San Juan New Mexico  
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 5775 ft. G.L.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Well was spudded 2/21/62  
Set 9 jts., 282' of 8 5/8" casing, landed at 294' with 225 sx. cmt/  
Tested casing with 500# pressure for 30 minutes. No leaks.  
Drilled cement 2/23/62  
Tested with 500# pressure for 30 minutes  
No drop in pressure.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Aztec Oil & Gas Company

Address Drawer # 570

Farmington, New Mexico

By Joe C. Salmon

Title District Superintendent

MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form O-152  
Supersedes O-128  
Effective 1-1-65

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

Operator <b>Aztec Oil &amp; Gas Company</b>			Lease <b>Grenier "B"</b>		Well No. <b>#3</b>
Unit Letter <b>F</b>	Section <b>5</b>	Township <b>29 North</b>	Range <b>10 West</b>	County <b>San Juan</b>	
Actual Footage Location of Well: <b>1225</b> feet from the <b>South</b> line and <b>2070</b> feet from the <b>West</b> line					
Ground Level Elev. <b>5775</b>	Producing Formation <b>Blanco</b>		Pool <b>Mesaverde</b>		Dedicated Acreage: <b>294.52</b> 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.

**CERTIFICATION**

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

Name

**Joe C. Salmon**

Position

**District Superintendent**

Company

**Aztec Oil & Gas Company**

Date

**December 9, 1971**

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.

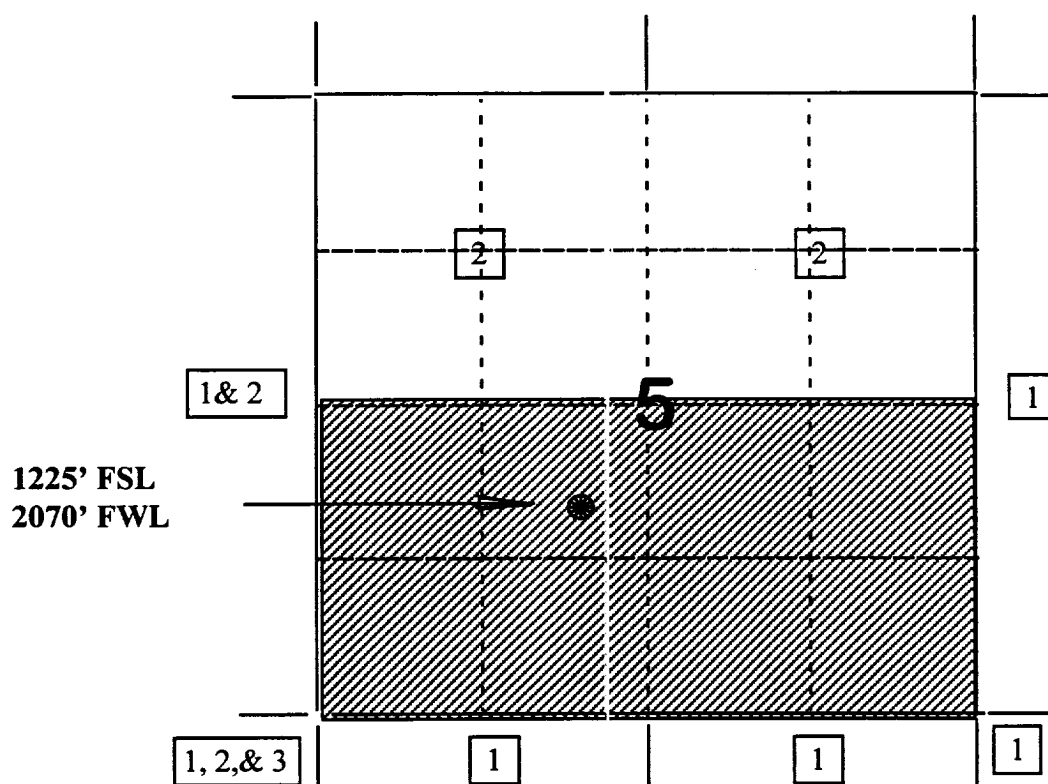
Date Surveyed

Registered Professional Engineer  
and/or Land Surveyor

Certificate No.

0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000

**Township 29 North, Range 10 West**



- 1) **Burlington Resources**
- 2) **Amoco Production Company**  
**c/o Bruce Zimney**  
**P.O. Box 800**  
**Denver, CO 80261**
- 3) **Conoco, Inc.**  
**10 Desta Drive, Ste. 100W**  
**Midland, TX 79705-4500**



Grenier B #3  
1225'FSL, 2070'FWL, Section 5, T-29-N, R-10-W, San Juan County  
30-045-08695

I hereby certify that the following offset owners/operators have been notified by certified mail of our application for administrative approval for non-standard well location of the above well.

Amoco Production Company  
Att: Bruce Zimney  
PO Box 800  
Denver, CO 80201

Conoco Inc.  
10 Desta Drive, Suite 100W  
Midland, TX 79705-4500

A handwritten signature in black ink, appearing to read "Peggy Bradfield". The signature is fluid and cursive, with a large initial "P" and "B".

Peggy Bradfield  
Regulatory/Compliance Administrator

U. S. LAND OFFICE \_\_\_\_\_ Santa Fe  
SERIAL NUMBER \_\_\_\_\_ NM 03561  
LEASE OR PERMIT TO PROSPECT \_\_\_\_\_  
Grenier

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

# LOG OF OIL OR GAS WELL

## LOCATE WELL CORRECTLY

Company Aztec Oil & Gas Company Address Drawer # 570, Farmington, New Mex.  
Lessor or Tract Grenier Field Basin Dakota State New Mexico  
Well No. 3-B Sec. 5 T. 29N R. 10W Meridian N.M.P.M. County San Juan  
Location 1650 ft. N of S Line and 1650 ft. E of W Line of Section 5 Elevation 5775  
(Derive & show relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon, so far as can be determined from all available records.

Signe d \_\_\_\_\_ Jan C. Scherer \_\_\_\_\_

Date March 29, 1962 Title District Superintendent

The summary on this page is for the condition of the well at above date.

Commenced drilling 2/21/62, 1962 Finished drilling 3/12/62, 1962

### OIL OR GAS SANDS OR ZONES

(Denot: gas by G)

No. 1, from 6634 to 6660 (G)      No. 4, from \_\_\_\_\_ to \_\_\_\_\_  
 No. 2, from 6690 to 6702 (G)      No. 5, from \_\_\_\_\_ to \_\_\_\_\_  
 No. 3, from 6762 to 6786 (G)      No. 6, from \_\_\_\_\_ to \_\_\_\_\_

## IMPORTANT WATER SANDS

No. 1, from \_\_\_\_\_ to \_\_\_\_\_      No. 3, from \_\_\_\_\_ to \_\_\_\_\_  
No. 2, from \_\_\_\_\_ to \_\_\_\_\_      No. 4, from \_\_\_\_\_ to \_\_\_\_\_

## CASING RECORD

	Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
								From—	To—	
8	5/8	24	8rd	J-55	282					
4	1 1/8	14.6	8rd	J-55	310					
4	1 1/2	9.5	8rd	J-55	510					
2	3/8	4.7	8rd	J-55	650					

## MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 5/8	294	225	displacement		
4 1/2	6830	730	two plug		
2 3/8	6590	--			

## PLUGS AND ADAPTERS

Heaving plug—Material \_\_\_\_\_ Length \_\_\_\_\_ Depth set \_\_\_\_\_

Size

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