

State of New Mexico *TF-02-014*  
Energy and Minerals Department  
Oil Conservation Division  
~~2040 Pacheco Street~~ *1220 South St. Francis Dr.*  
Santa Fe, New Mexico 87505

APPLICATION FOR CATEGORY DETERMINATION

FOR DIVISION

USE ONLY:

APPROPRIATE FILING FEE ENCLOSED? YES ☒ NO ☐  
DATE COMPLETE APPLICATION FILED *October 10, 2001*  
DATE DETERMINATION MADE *November 22, 2002*  
WAS APPLICATION CONTESTED? YES ☐ NO ☒  
NAME(S) OF INTERVENOR(S), IF ANY: *na*

FILING FEE(S) -

Effective October 1, 1986  
a non-refundable filing fee  
of \$25.00 per category for  
each application is mandatory  
(Rule 2, Order No. R-5878-B-3)

- |  |  |
|--|--|
| 1. Name of Operator: Burlington Resources Oil & Gas Company  | 6. County: San Juan  |
| 2. Address of Operator:<br>5051 Westheimer, Suite 1400<br>Houston, TX 77210-4236   | 7. API No: 30-045-25112  |
| 3. Location of Well: Unit Letter <u>G</u><br>located <u>1,850</u> feet from the <u>E</u> line<br>and <u>1,850</u> feet from the <u>N</u> line of<br>Sec. <u>31</u> Twp. <u>32N</u> Rng. <u>12W</u> | 8. Indicate Type of Lease:<br>State <input type="checkbox"/> Fee <input checked="" type="checkbox"/> |
| 4. Farm or Lease Name:<br>Culpepper Martin   | 9. State Oil & Gas Lease No.:  |
| 5. Well No:<br>1A  | 10. Unit Agreement Name:   |
|  | 11. Field and Pool or Wildcat:<br>B Ianco Mesaverde  |

Check the appropriate box for category sought and information submitted. Enter  
Required information on lines 1 and 2, below.

1. Category sought NGPA Section No. 107 A1 ☐ occluded natural gas from coal seam  
A3 ☒ natural gas from a designated tight formation
2. Filing Fee(s) amount enclosed: *\$25.00*
3. All application must contain:
- C-105 Well Completion or Recompletion Report
  - Affidavits of Mailing or Delivery

I HEREBY CERTIFY THAT THE INFORMATION CONTAINED HEREIN IS TRUE AND COMPLETE TO  
THE BEST OF MY KNOWLEDGE AND BELIEF.

David K. Miller  
NAME OF APPLICANT (Type or Print)

*David K. Miller*  
SIGNATURE OF APPLICANT

TITLE: Manager, Royalty Compliance/Litigation

DATE: September 26, 2001

FOR DIVISION USE ONLY

APPROVED: ☒

DISAPPROVED: ☐

The information contained herein includes all of the information required to be filed by the applicant under  
Subpart B of Part 274 of the FERC regulations.

EXAMINER: *[Signature]*

# **BURLINGTON RESOURCES**

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October 8, 2001

Mr. Michael Stogner  
State of New Mexico  
Energy and Minerals Department  
Oil Conservation Division  
2040 Pacheco Street  
Santa Fe, NM 87505



Re: Checks in Payment For  
Application for Well Determination  
NGPA Section 107

Dear Mr. Stogner:

Burlington Resources Oil & Gas Company is enclosing, payment for NGPA Well Determination filings previously submitted to the NMOCD. Thanks for holding these filings for payment.

Sincerely,

James R. Gilcrease  
Consultant, Natural Gas Regulations

enclosures

xc: NGPA File

**NGPA WELL DETERMINATION FILINGS  
STATE OF NEW MEXICO**

AIN NO	WELL NAME	LOCATION	COUNTY	ST	API NO
1296201	<del>Culpepper Martin 1A</del>	Sec. 31, T-32N, R-12W	San Juan	NM	30-045-25112
1139501	Mexico Federal N #1E	Sec. 15, T-29N, R-11W	San Juan	NM	30-045-08332
5444901	Pierce A #4	Sec. 13, T-30N, R-10W	San Juan	NM	30-045 26597

## ENERGY, MINERALS AND NATURAL RESOURCES DEPT.

01-521 07

NO. 117304

Official Receipt

Received from:

RC - OCD/SF - Kathy Valdes

Date:

10/18

X 01

Dollar Amount

DR CR.	AMOUNT NUMBER	CENTER NUMBER	CREDIT AMOUNT	DEPOSIT NUMBER	WORK ORDER NO.
60	4290				
60	4291				
60	3450				
60	3451				
60	3410				
60	4210				
60	4240				
60	1893	0711	75.00		
60					
60					
60					

TOTAL

75.00

NGPA Filing Fees

By

KV

# **BURLINGTON RESOURCES**

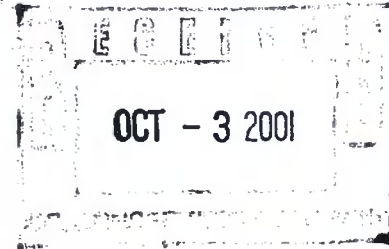
October 3, 2001

This acknowledges receipt of your NGPA application. This application will not be completed until we receive your filing fee in the amount of \$25.00. Thanks.

Kathy Valdes

September 26, 2001

Mr. Michael Stogner  
State of New Mexico  
Energy and Minerals Department  
Oil Conservation Division  
2040 Pacheco Street  
Santa Fe, NM 87505



Re: Application for Well Determination  
NGPA Section 107  
Culpepper Martin #1A  
San Juan Co., NM  
Dakota Formation

Dear Mr. Stogner:

Burlington Resources Oil & Gas Company is enclosing, for review and approval by the New Mexico Oil Conservation Division, the original and two copies of an Application for Determination for the referenced well.

A copy of this letter, the FERC Form 121 and the OCD Form C-132 has been mailed to each working interest owner entitled to receive Notice of this Application.

Please indicate receipt of this filing by date stamping the attached extra copy of this letter and returning the copy for our records.

Sincerely,

David K. Miller  
Manager, Royalty Compliance/Litigation

enclosures

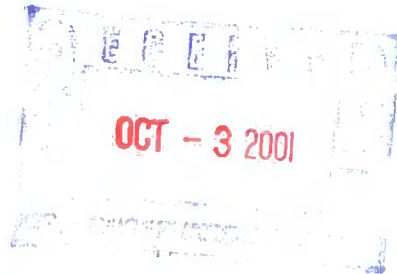
xc: NGPA File



# BURLINGTON RESOURCES

September 26, 2001

Mr. Michael Stogner  
State of New Mexico  
Energy and Minerals Department  
Oil Conservation Division  
2040 Pacheco Street  
Santa Fe, NM 87505



Re: Application for Well Determination  
NGPA Section 107  
Culpepper Martin #1A  
San Juan Co., NM  
Dakota Formation

Dear Mr. Stogner:

Burlington Resources Oil & Gas Company is enclosing, for review and approval by the New Mexico Oil Conservation Division, the original and two copies of an Application for Determination for the referenced well.

A copy of this letter, the FERC Form 121 and the OCD Form C-132 has been mailed to each working interest owner entitled to receive Notice of this Application.

Please indicate receipt of this filing by date stamping the attached extra copy of this letter and returning the copy for our records.

Sincerely,

David K. Miller  
Manager, Royalty Compliance/Litigation

enclosures

xc: NGPA File





**APPLICATION FOR DETERMINATION**

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**A. THE NGPA WELL CATEGORY DETERMINATION IS BEING SOUGHT FOR A WELL PRODUCING:**

- A1 ☐ occluded natural gas from a coal seam.  
A2 ☐ natural gas from Devonian shale.  
A3 ☒ natural gas from a designated tight formation.

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**B. FOR ALL APPLICATIONS FOR DETERMINATION PROVIDE THE FOLLOWING:**

1. Well Name and No.: Culpepper Martin #1A
2. Completed in (Name of Reservoir): Dakota
3. Field: Basin
4. County: San Juan
5. State: New Mexico
6. API Well No.: 30-045-25112
7. Measured Depth of the Completion Interval (in feet)  
TOP: 6,752 BASE: 6,992

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**C. APPLICANT'S MAILING ADDRESS AND THE IDENTITY OF THE PERSON WHO IS RESPONSIBLE FOR APPLICATION:**

1. Applicant's Name: Burlington Resources Oil & Gas Company
2. Street: 5051 Westheimer, Suite 1400
3. City: Houston
4. State: Texas
5. Zip Code: 77056-5604
6. Name of Person Responsible: David K. Miller (713) 624-9086
7. Title of Such Person: Manager, Royalty Compliance/Litigation
8. Signature David K. Miller  
Date: September 26, 2001



APPLICATION FOR WELL CATEGORY DETERMINATION  
PURSUANT TO SECTION 270 OF  
THE FEDERAL ENERGY REGULATORY COMMISSION'S  
REGULATIONS IMPLEMENTING  
THE NATURAL GAS POLICY ACT OF 1978 (NGPA)

AFFIDAVIT  
TIGHT FORMATION GAS

STATE OF TEXAS

COUNTY OF HARRIS

BEFORE ME, the undersigned authority, duly commissioned and qualified within and for the State and County aforesaid, personally came and appeared David K. Miller, who being by me first duly sworn, deposed and said:

That he is the Manager, Royalty Compliance/Litigation for Burlington Resources Oil & Gas Company, the applicant for the well hereinafter described, and in that capacity, he is requesting the appropriate Authorized Officer to make a determination that this well is producing from a tight formation pursuant to the rules and regulations of the State of New Mexico and the Federal Energy Regulatory Commission (FERC), as such rules relate to the NGPA.

That production from the **Culpepper Martin #1A** well, API No. **30-045-25112** is natural gas produced from a FERC designated tight formation, assigned **State No. NM-9**, through:

- X   a well the surface drilling of which began after December 31, 1979, but before January 1, 1993; or  
\_\_\_\_\_ a recompletion commenced after January 1, 1993, in a well the surface drilling of which began after December 31, 1979, but before January 1, 1993; or  
\_\_\_\_\_ a recompletion commenced after December 31, 1979, but before January 1, 1993, where such gas could not have been produced from any completion location in existence in the well bore before January 1, 1980.

Said applicant has no knowledge of any information not described in the application that is inconsistent with his conclusion.



David K. Miller,  
Manager, Royalty Compliance/Litigation

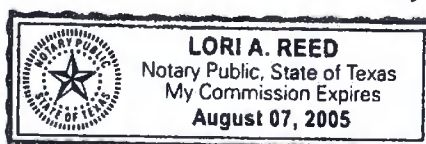
Subscribed in my presence and duly sworn to before me, this 26th day of September 2001



Notary Public

My Commission Expires:

NMOCD TF Affidavit





STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT

Form C-105  
Revised 10-1-78

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

5a. Indicate Type of Lease  
State ☐ Fee ☒  
5. State Oil & Gas Lease No.

1a. TYPE OF WELL  
OIL WELL ☐ GAS WELL ☒ DRY ☐ OTHER ☐  
b. TYPE OF COMPLETION  
NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER ☐

7. Unit Agreement Name

8. Farm or Lease Name  
Culpepper Martin

2. Name of Operator  
Union Texas Petroleum Corporation

9. Well No. 1A

3. Address of Operator  
1860 Lincoln Street, Suite 1010, Denver, Colorado 80295

10. Field and Pool, or Wildcat  
Blanco Mesaverde & Basin Dakota Fields

4. Location of Well

UNIT LETTER G LOCATED 1850 FEET FROM THE East LINE AND 1850 FEET FROM

THE North LINE OF SEC. 31 TWP. 32N RGE. 12W NMPM

12. County  
San Juan

15. Date Spudded 8/8/1981 16. Date T.D. Reached 8/25/1981 17. Date Compl. (Ready to Prod.) 1/29/1982 18. Elevations (DF, RKB, RT, GR, etc.) 5842' GL

19. Elev. Casinghead

20. Total Depth 7100' 21. Plug Back T.D. 7055' 22. If Multiple Compl., How Many 2 23. Intervals Drilled By Surface - TD

24. Was Directional Survey Made

24. Producing Interval(s), of this completion - Top, Bottom, Name  
4213-4808' Mesaverde  
6752-6992' Dakota

No

26. Type Electric and Other Logs Run  
DIL/FDC/CNL/GR Cyberlook

27. Was Well Cared  
No

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
10-3/4"	40.5#	376'	13-1/2"	250 sacks	None
7-5/8"	26.4#	4415	9-7/8"	1200 sacks	None

29. LINER RECORD				30. TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET
5-1/2"	4250'	7098'	300		2-3/8"	4150'
					2-3/8"	6800'
						4830'

31. Perforation Record (Interval, size and number)	32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.								
Mesaverde: 4213-19, 29-41, 4554, 58, 70-83, 90, 93, 4601-11, 35-38, 41-44, 88-92, 4729-31, 44, 78-80, 93, 4801-03, 06-08--0.40", 110 shots Dakota: 6752, 55, 58, 81, 6829, 32, 35, 38, 41, 51, 54, 68, 6984-92--0.4", 76 shots	<table> <tr> <th>DEPTH INTERVAL</th><th>AMOUNT AND KIND MATERIAL USED</th></tr> <tr> <td>4213'-4241'</td><td>78582 gals slick KCL &amp; 66000# SC</td></tr> <tr> <td>4554'-4808'</td><td>13652 gals slick KCL &amp; 98352# SC</td></tr> <tr> <td>6752'-6992'</td><td>140000 gals gelled wtr, 250000# SC &amp; 400 SCF/BBL CO<sub>2</sub></td></tr> </table>	DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED	4213'-4241'	78582 gals slick KCL & 66000# SC	4554'-4808'	13652 gals slick KCL & 98352# SC	6752'-6992'	140000 gals gelled wtr, 250000# SC & 400 SCF/BBL CO <sub>2</sub>
DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED								
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4554'-4808'	13652 gals slick KCL & 98352# SC								
6752'-6992'	140000 gals gelled wtr, 250000# SC & 400 SCF/BBL CO <sub>2</sub>								

33. PRODUCTION

Date First Production waiting on pipeline Production Method (Flowing, gas lift, pumping - Size and type pump) Flowing Well Status (Prod. or Shut-in) waiting on pipeline  
Date of Test 2/17/82 Hours Tested 3 Choke Size 3/4" Prod'n. For Test Period Oil - Bbl. 0 Gas - MCF 380 Water - Bbl. 0 Gas - Oil Ratio \*\*\*  
2/25/82 3 3/4" 0 0 0 \*\*\*  
Flow Tubing Press. 238 Casing Pressure 670 Calculated 24-Hour Rate Oil - Bbl. 0 Gas - MCF 3044 Water - Bbl. 0 Oil Gravity - API (Corr.) \*\*\*  
465 0 5950 0 \*\*\*

34. Disposition of Gas (Sold, used for fuel, vented, etc.) Flared Test Witnessed By Joe Elledge

35. List of Attachments  
Forms C-107, C-104 (2), C-122 (2), Packer Leakage Test, Deviation Affidavit, Diagrammatic Sketch & Land Plat

36. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.

SIGNED Thomas C. Belsh Division Petroleum Engineer March 17, 1982



State of New Mexico  
Energy, Minerals and Natural Resources Department  
Oil Conservation Division

Sundry Notices and Reports on Wells

1. Type of Well  
GAS

2. Name of Operator

**BURLINGTON  
RESOURCES**

OIL & GAS COMPANY

3. Address & Phone No. of Operator

PO Box 4289, Farmington, NM 87499 (505) 326-9700

4. Location of Well, Footage, Sec., T, R, M

1850' FNL, 1850' FEL, Sec. 31, T-32-N, R-12-W, NMPM, San Juan County

API # (assigned by OCD)  
30-045-25112

5. Lease Number  
Fee

6. State Oil & Gas Lease #

7. Lease Name/Unit Name

Culpepper Martin

8. Well No.  
1A

9. Pool Name or Wildcat  
Blanco MV/Basin DK

10. Elevation:

Type of Submission

☐ Notice of Intent  
☒ Subsequent Report  
☐ Final Abandonment

Type of Action

☐ Abandonment ☐ Change of Plans  
☐ Recompletion ☐ New Construction  
☐ Plugging Back ☐ Non-Routine Fracturing  
☐ Casing Repair ☐ Water Shut off  
☐ Altering Casing ☐ Conversion to Injection  
☒ Other - Commingle

13. Describe Proposed or Completed Operations

12-26-96 MIRU. ND WH. NU BOP. TOO H w/136 jts 2 3/8" Mesaverde tbq. TOO H w/2 jts Dakota tbq out of pkr. SDON.  
12-27-96 TOO H w/106 jts 2 3/8" Dakota tbq. TIH to lnr top @ 4250'. SD for weekend.  
12-30-96 TIH to top of pkr. Mill on pkr. Circ hole clean. TOO H w/pkr. TIH, tag fill @ 7010'. SDON.  
12-31-96 Clean out well to PBTD @ 7055'. Circ hole clean. TIH w/226 jts 2 3/8" 4.7# J-55 EUE tbq, landed @ 6982'. Circ hole clean. SD for holiday.  
1-2-97 RD. Rig released.

Well will produce as a Mesaverde/Dakota commingle per DHC-1392.

**RECEIVED**  
FEB 10 1997

**OIL CON. DIV**  
DIST. 3

SIGNATURE



Regulatory Administrator February 4, 1997

(This space for State Use)

Approved by

ORIGINAL SIGNED BY ERNIE BUSCH

Title

DEPUTY OIL & GAS INSPECTOR, DIST. #3

Date

FEB 10 1997





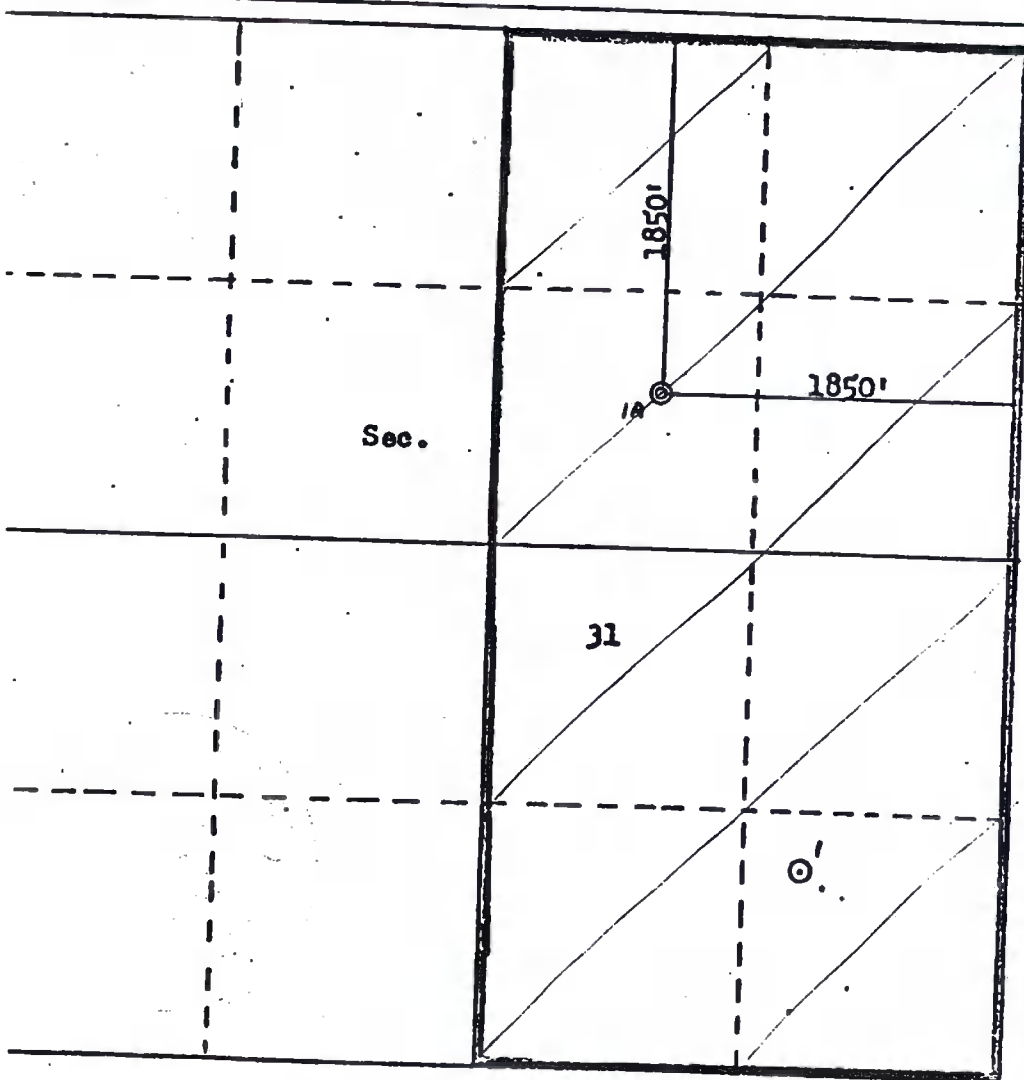
All distances must be from the outer boundaries of the Section.

UNION TEXAS PETROLEUM COMPANY			Lease		Well No.
Section	Township	Range	County		
0	31	32N	12W		San Juan
Actual Footage Location of Wells					
1850	feet from the North	line and	1850	feet from the East	line
Ground Level Elev:	Producing Formation	Pool	Dedicated Acreage		
5842	Mesaverde, Dakota	Blanco Mesaverde, Basin Dakota	E 320 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	Thomas C. Ballou
Position	District Petroleum Engineer
Company	Union Texas Petroleum Corp.
Date	July 6, 1981
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 Survey	June 16, 1981
Registered Professional Engineer and Land Surveyor	Fred B. Kerr Jr.
Certificate No.	3950



## Stogner, Michael

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**From:** Gilcrease Jim [JGilcrease@br-inc.com]  
**Sent:** Thursday, February 07, 2002 10:22 AM  
**To:** mstogner@state.nm.us  
**Subject:** NMOCD Well Determination Approvals



NMOCD Follow up  
2-7-02.xls

Mike, attached is a revised list.

<<NMOCD Follow up 2-7-02.xls>>

WELL NAME	BR AIN NO.	FERC 121 DATE	API NO.	OPERATOR
Martin Federal Com #1E	1139402	12/12/2001	30-045-24324	Energen
Johnston A #16	1524501	12/18/2001	30-039-24739	BR
Baca Gas Com A #1	5377101	11/17/2001	30-045-26110	XTO
Mexico Federal N #1E	1210401	9/24/2001	30-045-08832	BR
Culpepper Martin #1E	1296401	10/4/2001	30-045-25114	BR
Kelly Knott #1A	1461201	10/1/2001	30-045-25542	BR
New Mexico B Com #1E	1312101	9/24/2001	30-045-2453	BR
Culpepper Martin #1A	1296201	9/26/2001	30-045-25112	BR
San Juan 29-5 Unit #218	653601	7/17/2001	30-039-24782	Phillips
Pierce A #4	5444901	9/24/2001	30-045-25432	BR
Gallegos Canyon Unit #323	2370501	8/29/2001	30-045-24615	Amoco
Gallegos Canyon Unit #323	2370502	8/29/2001	30-045-24615	Amoco
Gallegos Canyon Unit #506	5737002	8/29/2001	30-045-28067	Amoco
Pubco State Com #1A	458101	8/8/2001	30-045-27248	Great Western

**Stogner, Michael**

**From:** Gilcrease Jim [JGilcrease@br-inc.com]  
**Sent:** Thursday, February 07, 2002 10:06 AM  
**To:** mstogner@state.nm.us  
**Subject:** Well Determination Filings by NMOCD



NMOCD Follow up  
2-7-02.xls

Good morning Mike, Burlington Resources' records indicate that we have not received JA approval on the following wells submitted to the NMOCD for review. We understand that you have other responsibilities and have put well determination filings on hold. However, lack of JA and FERC of these well may cause Burlington and other companies loss of monies. Could you review the wells on the attached list in which Burlington holds or has held an interest.

Thanks for your consideration.

Jim Gilcrease  
Burlington Resources  
(713) 624-9092  
jgilcrease@br-inc.com

<<NMOCD Follow up 2-7-02.xls>>

WELL NAME	BR AIN NO.	FERC 121 DATE	API NO.	OPERATOR
Gallegos Canyon Unit #389	5588501	8/29/2001	30-045-28154	Amoco
Gallegos Canyon Unit #332	2372101	8/29/2001	30-045-25475	Amoco
Heaton Com LS #9A	2611902	8/29/2001	30-045-20903	Amoco
Martin Federal Com #1E	1139402	12/12/2001	30-045-24324	Energen
Johnston A #16	1524501	12/18/2001	30-039-24739	BR
Baca Gas Com A #1	5377101	11/17/2001	30-045-26110	XTO
Mexico Federal N #1E	1210401	9/24/2001	30-045-08832	BR
Culpepper Martin #1E	1296401	10/4/2001	30-045-25114	BR
Kelly Knott #1A	1461201	10/1/2001	30-045-25542	BR
New Mexico B Com #1E	1312101	9/24/2001	30-045-2453	BR
Culpepper Martin #1A	1296201	9/26/2001	30-045-25112	BR
San Juan 29-5 Unit #218	653601	7/17/2001	30-039-24782	Phillips
Pierce A #4	5444901	9/24/2001	30-045-25432	BR
Gallegos Canyon Unit #323	2370501	8/29/2001	30-045-24615	Amoco
Gallegos Canyon Unit #323	2370502	8/29/2001	30-045-24615	Amoco
Gallegos Canyon Unit #506	5737002	8/29/2001	30-045-28067	Amoco
Pubco State Com #1A	458101	8/8/2001	30-045-27248	Great Western

## Stogner, Michael

**From:** Gilcrease Jim [JGilcrease@br-inc.com]  
**Sent:** Wednesday, July 24, 2002 10:09 AM  
**To:** mstogner@state.nm.us  
**Subject:** NGPA Well Determination Filing Review



VMOCD NGPA Filing  
List (Approv...

Mike, Burlington Resources submitted the Well Determination Filings referenced on the attached list for NMOCD review and approval several months ago and todate we do not show that action has been taken on them. Can you please check the status of these filings and let me know where they stand?

Jim Gilcrease  
Burlington Resources  
5051 Westheimer, Suite 1400  
Houston, TX 77056-5604  
713-624-9092  
jgilcrease@br-inc.com

<<NMOCD NGPA Filing List (Approval follow up).xls>>

### PENDING NGPA FILINGS - NEW MEXICO OIL CONSERVATION DIVISION

WELL NAME	API NO.	LOCATION	COUNTY	FORMATION	DATE MAILED TO NMOCD
Mangum # 1E	30-045-24673	Sec. 27, T-29N, R-11W	San Juan	Dakota	3/4/2002
Sategnia #2E	30-045-24060	Sec. 21, T-29N, R-11W	San Juan	Dakota	3/4/2002
Johnston A #16	30-039-24739	Sec. 36, T-27N, R-6W	Rio Arriba	Fruitland Coal	12/18/2001
Mexico Federal N #1E	30-045-08332	Sec. 15, T-29N, R-11W	San Juan	Dakota	9/24/2001
Culpepper Martin #1E	30-045-25114	Sec. 31, T-32N, R-12W	San Juan	Dakota	10/4/2001
Kelly Knott #1A	30-045-25542	Sec. 8, T-30N, R-10W	San Juan	Mesa Verde	10/1/2001
New Mexico B Com #1E	30-045-24538	Sec. 16, T-29N, R-11W	San Juan	Dakota	10/1/2001
Culpepper Martin #1A	30-045-25112	Sec. 31, T-32N, R-12W	San Juan	Dakota	9/26/2001
Pierce A #4	30-045-25432	Sec. 13, T-30N, R-10W	San Juan	Mesa Verde	9/24/2001

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT  
OIL CONSERVATION COMMISSION

IN THE MATTER OF THE HEARING  
CALLED BY THE OIL CONSERVATION  
COMMISSION OF NEW MEXICO FOR  
THE PURPOSE OF CONSIDERING:

CASE NO. 7361  
Order No. R-6884

APPLICATION OF SOUTHLAND ROYALTY  
COMPANY FOR DESIGNATION OF A TIGHT  
FORMATION, SAN JUAN COUNTY, NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 o'clock a.m. on September 29, 1981, at Santa Fe, New Mexico, before the Oil Conservation Commission of New Mexico, hereinafter referred to as the "Commission."

NOW, on this 12th day of January, 1982, the Commission, a quorum being present, having considered the testimony presented and the exhibits received at said hearing, and being fully advised in the premises,

FINDS:

(1) That due public notice having been given as required by law, the Commission has jurisdiction of this cause and the subject matter thereof.

(2) That, pursuant to Section 107 of the Natural Gas Policy Act of 1978, and CFR Section 271.703, applicant Southland Royalty Company requested the designation as a "tight formation" of the Dakota formation underlying the following described lands:

SAN JUAN COUNTY, NEW MEXICO

TOWNSHIP 31 NORTH, RANGE 10 WEST, NMPM  
Sections 1 through 36: All

TOWNSHIP 31 NORTH, RANGE 11 WEST, NMPM  
Section 1: All  
Sections 12 and 13: All  
Sections 22 through 27: All  
Sections 34 through 36: All

TOWNSHIP 32 NORTH, RANGE 10 WEST, NMPM  
Sections 7 through 36: All



TOWNSHIP 32 NORTH, RANGE 11 WEST, NMPM

Sections 7 through 27: All

Sections 34 through 36: All

TOWNSHIP 32 NORTH, RANGE 12 WEST, NMPM

Sections 7 through 33: All

TOWNSHIP 32 NORTH, RANGE 13 WEST, NMPM

Sections 7 through 33: All

containing a total of 92,871 acres, more or less.

(3) That at the hearing, applicant requested dismissal of that portion of the application pertaining to Sections 25 through 27, inclusive, and Sections 32 and 33, all in Township 32 North, Range 12 West, NMPM, containing some 3,200 acres, more or less, leaving for consideration some 89,671 acres, more or less.

(4) That said request for dismissal should be approved, and no further consideration given herein to said lands.

(5) That while the application was for designation of the Dakota formation as a tight formation, the Dakota formation constitutes but a portion of the "Dakota Producing Interval," which, as defined by the Division, comprises the vertical limits of the Basin-Dakota Gas Pool, being from the base of the Greenhorn Limestone to a point 400 feet below the base of said formation and consisting of the Graneros formation, the Dakota formation, and the productive upper limit of the Morrison formation.

(6) That inasmuch as practically all so-called "Dakota" wells drilled in the subject area are, or potentially are, tested in and/or completed in the entire Dakota Producing Interval, and the well data presented at the hearing of this case involves the entire Dakota Producing Interval, the application should be broadened to cover all of said producing interval throughout the area.

(7) That the Dakota Producing Interval, hereinafter referred to as the "Dakota," consists of a near blanket sandstone (probably an almost continuous series of northwest trending barrier beach sandstones composed of fine-grained quartose sandstones and carbonaceous shales with occasional conglomerates and coals in the basal part).

(8) That from the logs available at the hearing, the top of the Dakota in the area ranges from a depth of 5234 feet to 7220 feet and averages some 6753 feet beneath the surface.

(9) That the only test data for flow rates prior to stimulation for wells within the area indicates that the Aztec Pierce Well No. 2 in Section 30, Township 31 North, Range 10 West, NMPM, had a stabilized production rate calculated at atmospheric pressure of 208.1 MCF of gas per day; that other wells in the immediate vicinity of the area but just outside had stabilized production rates calculated at atmospheric pressure prior to stimulation ranging from 21.7 MCF per/day to 224.1 MCF per day.

(10) That none of the stabilized production rates cited above exceeds the maximum stabilized production rate set forth in 18 C.F.R. Section 271.703(c)(2)(i)(B) of 251 MCF per day for wells at the average depth to the top of the formation for this area (6753 feet), and it is not expected that the average well in the area will exceed such rate.

(11) That in situ permeability calculations are available for only two wells in the general area, being the Southland Pierce Well No. 2 and the Southland Patterson "B" Com Well No. 1E; that the in situ permeabilities calculated for said wells are .0609 md and .0877 md, respectively, and average .0743 md.

(12) That the average in situ permeability for all wells in the area is not expected to exceed 0.1 md, the limit set forth in 18 C.F.R. Section 271.703(c)(2)(i)(A).

(13) That prior to stimulation, the average well in the area is expected to produce far less than the maximum five barrels of crude oil per day as set forth in 18 C.F.R. Section 271.703(c)(2)(i)(C).

(14) That 18 C.F.R. Section 271.703(c)(2)(i)(D) provides that "if the formation or any portion thereof was authorized to be developed by infill drilling prior to the date of recommendation and the jurisdictional agency has information which in its judgment indicates that such formation or portion subject to infill drilling can be developed absent the incentive price established in paragraph (a) of this section then the jurisdictional agency shall not include such formation or portion thereof in its recommendation."

(15) That the Division, by its Order No. R-1670-V, dated May 22, 1979, and effective July 1, 1979, approved infill drilling for the Basin-Dakota Gas Pool in San Juan and Rio Arriba Counties, New Mexico, and said pool includes the Dakota Producing Interval in the area under consideration here.

(16) That Southland in this hearing indicated that under current Section 103 prices of the NGPA of 1978, reserves of



350,000 MCF of gas are necessary to provide it with the economics necessary to justify drilling a Dakota well at its current drilling costs, while 150,000 MCF of reserves will justify a well at Section 107(c)(5) prices (tight formations).

(17) That the economics as presented by Southland in this case are reasonable, and lands which indicate recoverable reserves of 350,000 MCF or more of gas should be dismissed from further consideration, while lands indicating recoverable reserves of less than 350,000 MCF of gas should be considered for recommendation as a tight formation.

(18) That the Division, in approving infill drilling for the Basin-Dakota Gas Pool, based its approval on the premise that the reservoir was of low permeability and that 320-acre wells were not draining more than the 160-acre tract upon which they were located.

(19) That the remaining reserves under the 160-acre tract upon which the unit well is not located should be similar to, if not equal to, the original reserves under the 160-acre tract upon which the unit well is located.

(20) That cumulative production figures and estimates of ultimate recoverable reserves were presented at the hearing for some of the developed tracts within the area, while cumulative production figures only are available for the remainder of the developed tracts.

(21) That to determine that under certain lands insufficient reserves are available to justify drilling absent the Section 107 incentive price, it is reasonable to make the following assumptions:

- A. No primary drilling, i.e., no drilling on 320-acre spacing, is prima facie evidence that the lands are edge lands to the reservoir and drilling has not occurred because of the probable marginal nature of the reserves.
- B. Primary drilling has occurred but the calculated total ultimate reserves or the cumulative production for long-connected wells indicates low ultimate recovery (less than 350,000 MCF of gas).

(22) That to determine that under certain lands sufficient reserves may reasonably be expected to be recovered to justify drilling without the Section 107 incentive price, it is reasonable to make the following assumptions:

A. Calculated ultimate recoverable reserves are 350,000 MCF or more.

B. Calculated ultimate recoverable reserves are not available, but cumulative recoveries indicate that 350,000 MCF of gas already has been recovered.

(23) That the assumptions in Findings Nos. (21) B. and (22) A. and B. above may reasonably be based on offsetting wells in a given area.

(24) That the evidence indicates that it is unreasonable to expect that wells drilled in the area described in Finding No. (2) above less the area described in Finding No. (3) above will yield an average of 350,000 MCF or more of gas, but that it is reasonable to expect that such wells will yield an average of 150,000 MCF of gas, and that the incentive Section 107 (c) (5) price is necessary to justify drilling in said area.

(25) That there are fresh water aquifers underlying the lands being considered, and these aquifers extend to a depth of approximately 1200 feet.

(26) That there is a vertical distance of some 5500 feet between the base of the lowermost of said aquifers and the top of the Dakota, and this distance, combined with the required casing and cementing program for wells in the area, will assure that development of the Dakota will not adversely affect the fresh water aquifers (during both hydraulic fracturing and waste disposal operations) that are or are expected to be used as a domestic or agricultural water supply.

(27) That the Dakota Producing Interval underlying the following lands meets all of the guidelines set forth in 18 C.F.R. Section 271.703(c) (2) (i), subsections (A), (B), (C), and (D), and should be recommended for designation as a tight formation:

TOWNSHIP 31 NORTH, RANGE 10 WEST, NMPM  
Sections 1 through 36: All

TOWNSHIP 31 NORTH, RANGE 11 WEST, NMPM  
Section 1: All  
Sections 12 and 13: All  
Sections 22 through 27: All  
Sections 34 through 36: All

TOWNSHIP 32 NORTH, RANGE 10 WEST, NMPM  
Sections 7 through 36: All

TOWNSHIP 32 NORTH, RANGE 11 WEST, NMPM

Sections 7 through 27: All

Sections 34 through 36: All

TOWNSHIP 32 NORTH, RANGE 12 WEST, NMPM

Sections 7 through 24: All

Sections 28 through 31: All

TOWNSHIP 32 NORTH, RANGE 13 WEST, NMPM

Sections 7 through 29: All

Sections 32 through 36: All

containing some 89,671 acres, more or less, all in San Juan County, New Mexico.

IT IS THEREFORE ORDERED:

(1) That it be and hereby is recommended to the Federal Energy Regulatory Commission pursuant to Section 107 of the Natural Gas Policy Act of 1978, and 18 C.F.R. Section 271.703, that the Dakota Producing Interval, being from the base of the Greenhorn Limestone to a point 400 feet below the base of said formation and consisting of the Graneros formation, the Dakota formation and the productive upper portion of the Morrison formation, underlying the following described lands in San Juan County, New Mexico, be designated as a tight formation:

TOWNSHIP 31 NORTH, RANGE 10 WEST, NMPM

Sections 1 through 36: All

TOWNSHIP 31 NORTH, RANGE 11 WEST, NMPM

Section 1: All

Sections 12 and 13: All

Sections 22 through 27: All

Sections 34 through 36: All

TOWNSHIP 32 NORTH, RANGE 10 WEST, NMPM

Sections 7 through 36: All

TOWNSHIP 32 NORTH, RANGE 11 WEST, NMPM

Sections 7 through 27: All

Sections 34 through 36: All

TOWNSHIP 32 NORTH, RANGE 12 WEST, NMPM

Sections 7 through 24: All

Sections 28 through 31: All

TOWNSHIP 32 NORTH, RANGE 13 WEST, NMPM

Sections 7 through 29: All

Sections 32 through 36: All

containing approximately 89,671 acres, more or less.

(2) That jurisdiction of this cause is retained for the entry of such further orders as the Commission may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO  
OIL CONSERVATION COMMISSION

  
EMERY C. ARNOLD, Chairman

ALEX J. ARMIJO, Member

  
JOE D. RAMEY, Member & Secretary

S E A L





UNITED STATES OF AMERICA  
FEDERAL ENERGY REGULATORY COMMISSION

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UNITED STATES OF AMERICA  
FEDERAL ENERGY REGULATORY COMMISSION

18 C.F.R. Part 271

High-Cost Gas Produced from Tight Formations; Final Rule

Docket No. RM79-76-103 (New Mexico - 9)

ORDER NO. 262

AGENCY : Federal Energy Regulatory Commission

ACTION : Final rule

SUMMARY : The Federal Energy Regulatory Commission is authorized by section 107(c)(5) of the Natural Gas Policy Act of 1978 to designate certain types of natural gas as high-cost gas where the Commission determines that the gas is produced under conditions which present extraordinary risks or costs. Under section 107(c)(5), the Commission issued a final regulation designating natural gas produced from tight formations as high-cost gas which may receive an incentive price (18 C.F.R. § 271.703). This rule established procedures for jurisdictional agencies to submit to the Commission recommendations of areas for designation as tight formations. This final order adopts the recommendation of the State of New Mexico Energy and Minerals Department, Oil Conservation Division, that the Dakota Producing Interval be designated as a tight formation under § 271.703(d).

EFFECTIVE DATE : This rule is effective September 30, 1982.

FOR FURTHER INFORMATION CONTACT : Leslie Lawner, (202)357-8511 or Victor Zabel, (202) 357-8616.

Before Commissioners: C. M. Butler III, Chairman;  
Georgiana Sheldon, J. David Hughes,  
A. G. Sousa and Oliver G. Richard III.

High-Cost Gas Produced ) Docket No. RM79-76-103  
from Tight Formations ) (New Mexico - 9)

ORDER NO. 262

FINAL RULE

(Issued September 30, 1982)

The Commission hereby amends § 271.703(d) of its regulations to include the Dakota Producing Interval in San Juan County, New Mexico, as a designated tight formation eligible for incentive pricing under § 271.703. The amendment was proposed in a Notice of Proposed Rulemaking by the Director, Office of Pipeline and Producer Regulation, issued March 3, 1982 (47 Fed. Reg. 10241, March 10, 1982), 1/ based on a recommendation by the State of New Mexico Energy and Minerals Department, Oil Conservation Division (New Mexico) in accordance with § 271.703, that the Dakota Producing Interval be designated as a tight formation.

The Commission received two comments in response to the Notice of Proposed Rulemaking in this docket, one jointly filed by Southern California Gas Company and Pacific Lighting Gas Supply Company (SoCal) and one from Pacific Gas and Electric Company (PG&E).

Both commenters noted that New Mexico Order No. R-1670-V, issued May 22, 1979, authorized infill drilling in the Basin Dakota Gas Pool. The fact that the recommended area is subject

DC-C-108

1/ No party requested a hearing and no hearing was held.

Docket No. RM79-76-103

- 2 -

to an infill drilling order, the commenters argue, indicates that certain areas within the recommended formation may be subject to exclusion from the tight formation designation under § 271.703(c)(2)(i)(D). Section 271.703(c)(2)(i)(D) provides that:

If the formation or any portion thereof was authorized to be developed by infill drilling prior to the date of recommendation and the jurisdictional agency has information which in its judgment indicates that such formation or portion subject to infill drilling can be developed absent the incentive price established in paragraph (a) of this section then the jurisdictional agency shall not include such formation or portion thereof in its recommendation.

Section 271.703(b)(6) defines infill drilling as any drilling in a substantially developed formation or portion thereof, subject to well spacing or proration unit requirements which were amended by the jurisdictional agency after the formation or portion thereof was substantially developed, and which were adopted for the purpose of more effective and efficient drainage of the reservoirs in such formation. Therefore, if the recommended formation was substantially developed at the time that Order No. R-1670-V was issued, then such area should be excluded from the tight formation designation.

The recommended area was governed by special rules and regulations promulgated by New Mexico in Order No. R-1670-C, issued November 4, 1960. This order consolidated all Dakota Producing Interval production in San Juan and Rio Arriba Counties, created the Basin Dakota Gas Pool, and established 320 acre gas proration units. Order No. R-1670-V retained the 320 acre units, but allowed the drilling of an additional well on each unit. There are 304 drilling units contained in the

Docket No. RM79-76-103

- 3 -

recommended area. Prior to the issuance of Order No. R-1670-V, wells had been completed on 23 of these units, representing 7.6% of the available drilling sites. The Commission therefore finds that the recommended area does not fall within the infill drilling exclusion because the area was not substantially developed at the time the infill drilling order was issued.

SoCal also raised specific questions concerning the recommendation. 2/ In Exhibit No. 6, the applicant before New Mexico presented pressure data for calculation of the permeability of the Patterson "B" well; however, a shut-in bottom hole pressure from a well 9,600 feet south of this well was used for this calculation. SoCal questions the accuracy of permeability figures based on data from more than one well. The Commission recognizes that it is an accepted procedure when working with formations of low permeability characteristics to use data from other wells, since the bottom hole pressure will not vary appreciably across the area, and the amount of time needed for the pressure to build back up in a recently drilled well is too long for practical measurement.

2/ SoCal notes that a transcript of the New Mexico proceeding was not in the Commission's files, and that this made it impossible for SoCal to correctly evaluate the data submitted in support of the recommendation. The Commission staff had requested a copy of the transcript from New Mexico, but did not receive it until after SoCal's comments were filed. There is no affirmative requirement that a jurisdictional agency submit a transcript with its recommendation. However, SoCal was informed of the receipt of the transcript, and had an opportunity to examine it. SoCal has not filed any additional comments since the transcript was received. Moreover, the Commission's review of the transcript indicates that it does not contain any type of data that was not included in the recommendation as initially received by the Commission.



c. Mike Slogner  
OCD PP 44114-44115

(B) *Depth.* The Wattenberg J Sand Formation ranges in depth from 7,600 feet to 8,400 feet. The average depth is 8,000 feet.

(ii) *The J Sand Formation.*—(A) *Delineation of formation.* This formation underlies all or portions of Townships 1 and 2 South, Ranges 69 and 70 West; Townships 1 and 2 North, Range 70 West; Townships 3 and 4 North, Ranges 69 and 70 West; Township 5 North, Range 63 West; and Township 6 North, Ranges 63 through 69 West, 8th P. M.

(B) *Depth.* The J Sand Formation ranges from a depth of 7,600 feet to 8,400 feet. The average depth is approximately 8,000 feet.

(FR Doc. 82-27433 Filed 10-5-82; 8:45 am)  
BILLING CODE 6717-01-M

## 18 CFR Part 271

[Docket No. RM79-76-103 (New Mexico—9); Order No. 262]

### High-Cost Gas Produced From Tight Formations; New Mexico; Final Rule

AGENCY: Federal Energy Regulatory Commission, DOE.

ACTION: Final rule.

**SUMMARY:** The Federal Energy Regulatory Commission is authorized by section 107(c)(5) of the Natural Gas Policy Act of 1978 to designate certain types of natural gas as high-cost gas where the Commission determines that the gas is produced under conditions which present extraordinary risks or costs. Under section 107(c)(5), the Commission issued a final regulation designating natural gas produced from tight formations as high-cost gas which may receive an incentive price (18 CFR 271.703). This rule established procedures for jurisdictional agencies to submit to the Commission recommendations of areas for designation as tight formations. This final order adopts the recommendation of the State of New Mexico Energy and Minerals Department, Oil Conservation Division, that the Dakota Producing Interval be designated as a tight formation under § 271.703(d).

**EFFECTIVE DATE:** This rule is effective September 30, 1982.

**FOR FURTHER INFORMATION CONTACT:** Leslie Lawner, (202) 357-8511 or Victor Zabel, (202) 357-8816.

#### SUPPLEMENTARY INFORMATION:

The Commission hereby amends § 271.703(d) of its regulations to include the Dakota Producing Interval in San Juan County, New Mexico, as a

designated tight formation eligible for incentive pricing under § 271.703. The amendment was proposed in a Notice of Proposed Rulemaking by the Director, Office of Pipeline and Producer Regulation, issued March 3, 1982 (47 FR 10241, March 10, 1982),<sup>1</sup> based on a recommendation by the State of New Mexico Energy and Minerals Department, Oil Conservation Division (New Mexico) in accordance with § 271.703, that the Dakota Producing Interval be designated as a tight formation.

The Commission received two comments in response to the Notice of Proposed Rulemaking in this docket, one jointly filed by Southern California Gas Company and Pacific Lighting Gas Supply Company (SoCal) and one from Pacific Gas and Electric Company (PG&E).

Both commenters noted that New Mexico Order No. R-1670-V, issued May 22, 1979, authorized infill drilling in the Basin Dakota Gas Pool. The fact that the recommended area is subject to an infill drilling order, the commenters argue, indicates that certain areas within the recommended formation may be subject to exclusion from the tight formation designation under § 271.703(c)(2)(i)(D). Section 271.703(c)(2)(i)(D) provides that:

If the formation or any portion thereof was authorized to be developed by infill drilling prior to the date of recommendation and the jurisdictional agency has information which in its judgment indicates that such formation or portion subject to infill drilling can be developed absent the incentive price established in paragraph (a) of this section then the jurisdictional agency shall not include such formation or portion thereof in its recommendation.

Section 271.703(b)(6) defines infill drilling as any drilling in a substantially developed formation or portion thereof, subject to well spacing or proration unit requirements which were amended by the jurisdictional agency after the formation or portion thereof was substantially developed, and which were adopted for the purpose of more effective and efficient drainage of the reservoirs in such formation. Therefore, if the recommended formation was substantially developed at the time that Order No. R-1670-V was issued, then such area should be excluded from the tight formation designation.

The recommended area was governed by special rules and regulations promulgated by New Mexico in Order No. R-1670-C, issued November 4, 1960. This order consolidated all Dakota

<sup>1</sup> No party requested a hearing and no hearing was held.

Producing Interval production in San Juan and Rio Arriba Counties, created the Basin Dakota Gas Pool, and established 320 acre gas proration units. Order No. R-1670-V retained the 320 acre units, but allowed the drilling of an additional well on each unit. There are 304 drilling units contained in the recommended area. Prior to the issuance of Order No. R-1670-V, wells had been completed on 23 of these units, representing 7.6% of the available drilling sites. The Commission therefore finds that the recommended area does not fall within the infill drilling exclusion because the area was not substantially developed at the time the infill drilling order was issued.

SoCal also raised specific questions concerning the recommendation.<sup>2</sup> In Exhibit No. 6, the applicant before New Mexico presented pressure data for calculation of the permeability of the Patterson "B" well; however, a shut-in bottom hole pressure from a well 9,600 feet south of this well was used for this calculation. SoCal questions the accuracy of permeability figures based on data from more than one well. The Commission recognizes that it is an accepted procedure when working with formations of low permeability characteristics to use data from other wells, since the bottom hole pressure will not vary appreciably across the area, and the amount of time needed for the pressure to build back up in a recently drilled well is too long for practical measurement.

With respect to Exhibit No. 7, SoCal questioned the validity of using a calculated "shut-in bottom hole pressure at draining radius" (which measures wellhead pressure) in determining *in situ* permeability for the Southland Pierce No. 2 Well. The Commission finds that this is a standard petroleum engineering practice to calculate bottom hole pressure from a wellhead pressure by using a generally accepted formula.

SoCal further questioned Exhibit No. 13, which gives cumulative oil

<sup>2</sup> SoCal notes that a transcript of the New Mexico proceeding was not in the Commission's files, and that this made it impossible for SoCal to correctly evaluate the data submitted in support of the recommendation. The Commission staff had requested a copy of the transcript from New Mexico, but did not receive it until after SoCal's comments were filed. There is no affirmative requirement that a jurisdictional agency submit a transcript with its recommendation. However, SoCal was informed of the receipt of the transcript, and had an opportunity to examine it. SoCal has not filed any additional comments since the transcript was received. Moreover, the Commission's review of the transcript indicates that it does not contain any type of data that was not included in the recommendation as initially received by the Commission.



production data for several wells in the area, but which gives no rate of oil production, in light of

§ 271.703(c)(2)(i)(C), which provides that no well drilled in the tight formation is expected to produce, before stimulation, more than five barrels of crude oil per day. In response to an inquiry by Commission staff, a letter was submitted by the applicant to New Mexico, dated July 23, 1982, in which it clarified the evidence in this exhibit, by stating that (1) oil and condensate production is not distinguished by the producer when reporting to New Mexico, (2) the production listed in the exhibit is post-stimulation condensate production, and (3) there is no actual oil production from the wells listed in the exhibit.

Finally, PG&E maintained that since El Paso Natural Gas Company, which has an extensive infill drilling program in the San Juan Basin, is able to price gas produced through this program on a cost-of-service basis, it is guaranteed full recovery of its costs and expenses, plus a reasonable rate of return. PG&E argues therefore that an incentive price is not necessary or justified. The Commission has already addressed this issue in two prior tight formation orders, Order No. 235, Docket No. RM79-76-097 (New Mexico—8), issued June 4, 1982, and Order No. 244, Docket No. RM79-76-109 (New Mexico—12), issued August 4, 1982. The Commission stated in Order No. 244:

The issue in this docket is whether the recommended . . . [f]ormation meets the standards prescribed in § 271.703(c). Moreover, there are or can be gas producers in the recommended formation other than El Paso, which do not receive cost-of-service pricing for gas produced therefrom. Finally, the tight formation incentive price is a ceiling price, and as such there is no guarantee that a producer, including a pipeline, will be able to charge and collect that price.

This rationale is equally applicable in this case.

Based upon the above discussion, the Commission finds that the evidence submitted by New Mexico supports the assertion that the Dakota Producing Interval meets the guidelines contained in § 271.703(c)(2)(i). The Commission adopts the New Mexico recommendation.

This amendment shall become effective immediately. The Commission has found that the public interest dictates that new natural gas supplies be developed on an expedited basis, and, therefore, incentive prices should be made available as soon as possible. The need to make incentive prices

immediately available establishes good cause to waive the thirty-day publication period.

#### List of Subjects in 18 CFR Part 271

Natural gas, incentive price, Tight formations.

(Department of Energy Organization Act, 42 U.S.C. 7101 et seq.; Natural Gas Policy Act of 1978, 15 U.S.C. 3301-3432; Administrative Procedure Act, 5 U.S.C. 553)

In consideration of the foregoing, Part 271 of Subchapter H, Chapter I, Code of Federal Regulations, is amended as set forth below, effective September 30, 1982.

By the Commission,

Kenneth F. Frank, Assistant Secretary,  
September 30, 1982.

#### PART 271 [AMENDED]

Section 271.703 is amended by adding new paragraph (d)(110) to read as follows:

#### § 271.703 Tight formations.

##### (d) Designated tight formations.

(110) *The Dakota Producing Interval in New Mexico.* RM79-76-103 (New Mexico—9). (i) *Delineation of formation.* The Dakota Producing Interval is found within the Basin-Dakota Gas Pool in the northwestern portion of the San Juan Basin near the Hogback Monocline. It is found in San Juan County, in Township 31 North, Range 10 West, NMPM, Sections 1 through 38; Township 31 North, Range 11 West, NMPM, Sections 1, 12, 13, 22 through 27 and 34, 35 and 36; Township 32 North, Range 10 West, NMPM, Sections 7 through 36; Township 32 North, Range 11 West, NMPM, Sections 7 through 27 and 34, 35 and 36; Township 32 North, Range 12 West, NMPM, Sections 7 through 24, 26 through 31; and Township 32 North, Range 13 West, NMPM, Sections 7 through 29 and 32 through 36.

(ii) *Depth.* The Dakota Producing Interval begins at the base of the Greenhorn Limestone and consists of the Graneros Formation, the Dakota Formation and the productive upper limit of the Morrison Formation. The average depth to the top of the Dakota Producing Interval is 6,753 feet. The gross thickness of the interval averages 400 feet.

(FR Doc. 82-27492 Filed 10-6-82; 82-27492)

BILLING CODE 4710-01-0

#### 18 CFR Part 271

(Docket No. RM79-76-080 (Texas—19); Order No. 263)

#### High-Cost Gas Produced From Tight Formations; Texas; Final Rule

AGENCY: Federal Energy Regulatory Commission, DOE.

ACTION: Final rule.

**SUMMARY:** The Federal Energy Regulatory Commission is authorized by section 107(c)(5) of the Natural Gas Policy Act of 1978 to designate certain types of natural gas as high-cost gas where the Commission determines that the gas is produced under conditions which present extraordinary risks or costs. Under section 107(c)(5), the Commission issued a final regulation designating natural gas produced from tight formations as high-cost gas which may receive an incentive price (18 CFR 271.703). This rule established procedures for jurisdictional agencies to submit to the Commission recommendations of areas for designation as tight formations. This final order adopts the recommendation of the Railroad Commission of Texas that the Olmos Formation be designated as a tight formation under § 271.703(d).

**EFFECTIVE DATE:** This rule is effective September 30, 1982.

**FOR FURTHER INFORMATION CONTACT:** Leslie Lawner, (202) 357-8511 or Walter Lawson, (202) 357-8558.

#### SUPPLEMENTARY INFORMATION:

The Commission hereby amends § 271.703(d) of its regulations to include the Olmos Formation in parts of Webb and Dimmit Counties, Texas as a designated tight formation eligible for incentive pricing under § 271.703. The amendment was proposed in a Notice of Proposed Rulemaking by the Director, Office of Pipeline and Producer Regulation, issued December 7, 1981 (46 FR 60467, December 10, 1981) based on a recommendation by the Railroad Commission of Texas (Texas) in accordance with § 271.703, that the Olmos Formation be designated as a tight formation.

Evidence submitted by Texas supports the assertion that the Olmos

<sup>1</sup> Comments were invited on the proposed rule and two comments supporting the recommendation were received. No party requested a hearing and no hearing was held.

<sup>2</sup> The calculations for permeability and flow rates submitted by Texas are based on median values, rather than average values. However, using supplemental data supplied by Texas in response to a request from the Commission, the Commission has determined that the arithmetic average values for permeability and flow rates for the subject formation also satisfy the Commission's guidelines in § 271.703(c)(2).

(ii) *Depth.* The producing interval of the Dakota-Lakota Formation is approximately 175 to 185 feet thick, and begins at the base of the Skull Creek Formation and extends to the top of the Morrison Formation. The average depth to the top of the Dakota-Lakota Formation is 9,100 feet.

(109) *Codell Formation in Colorado.* RM79-76-122 (Colorado—25).

(i) *Delineation of formation.* The Codell Formation underlies portions of Adams, Boulder, Jefferson, Larimer and Weld Counties, Colorado, and is located on the western flank of the Denver-Julesburg Basin a few miles north of Denver, Colorado. The Codell Formation is found in the following areas: Township 1 South, Ranges 64 through 70 West; Township 2 South, Ranges 69 and 70 West; Township 1 North, Ranges 64 through 70 West; Township 2 North, Ranges 64 through 69 West, all sections, Range 70 West, Sections 1 through 5, and 8 through 36; Township 3 North, Ranges 64 through 69 West, all sections, Range 70 West, Sections 1, 12, 13, 21 through 28, and 33 through 36; Township 4 North, Ranges 64 through 69 West; Township 5 North, Ranges 64 through 68 West, all sections, Range 69 West, Sections 1 through 4, 9 through 16, 20 through 29, and 31 through 36, Township 6 North, Ranges 64 through 68, all sections, Range 69 West, Sections 1 through 4, 9 through 16, 21 through 28, and 33 through 36.

(ii) *Depth.* The Codell Formation ranges in depth from 3,000 to 8,000 feet, and is generally found at a depth of 7,000 feet, and averages 15 feet in thickness.

(110) *The Dakota Producing Interval in New Mexico.* RM79-76-103 (New Mexico—9). (i) *Delineation of formation.* The Dakota Producing Interval is found within the Basin-Dakota Gas Pool in the northwestern portion of the San Juan Basin near the Hogback Monocline. It is found in San Juan County, in Township 31 North, Range 10 West, NMPM, Sections 1 through 36; Township 31 North Range 11 West, NMPM, Sections, 1, 12, 13, 22 through 27 and 34, 35 and 36; Township 32 North, Range 10 West, NMPM, Sections 7 through 36; Township 32 North, Range 11 West, NMPM, Sections 7 through 27 and 34, 35 and 36; Township 32 North, Range 12 West, NMPM, Sections 7 through 24, 28 through 31; and Township 32 North, Range 13 WEST, NMPM, Sections 7 through 29 and 32 through 36.

(ii) *Depth.* The Dakota Producing Interval begins at the base of the Greenhorn Limestone and consists of the Graneros Formation, the Dakota Formation and the productive upper limit of the Morrison Formation. The average depth to the top of the Dakota Producing Interval is 6,753 feet. The gross thickness of the interval averages 400 feet.

(111) *The Olmos Formation in Texas.* RM79-76 (Texas—16)—(i) *Dimmit and Webb Counties—(A) Delineation of formation.* The Olmos Formation is located in the northwest portion of Webb County and the southern portion of Dimmit County in Texas. The Formation includes all of that portion of Dimmit County extending approximately 14 miles north of the boundary of Webb County, and all of that portion of northwest Webb County west of a north-south line extending south from a point approximately 1.5 miles east of the southwest corner of La Salle County, and north of an east-





NEW MEXICO ENERGY, MINERALS  
& NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION  
2040 South Pacheco Street  
Santa Fe, New Mexico 87506  
(505) 827-7131

**ADMINISTRATIVE ORDER DHC-1392**

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

Attention: Ms. Peggy Bradfield

*Culpepper Martin Well No.1A (API No.30-045-25112)  
Unit G, Section 31, Township 32 North, Range 12 West, NMPM,  
San Juan County, New Mexico.  
Blanco Mesaverde (Gas - 72319) and  
Basin Dakota (Prorated Gas - 71599) Pools*

Dear Ms. Bradfield:

Reference is made to your recent application for an exception to Rule 303.A. of the Division Rules and Regulations to permit the subject well to commingle production from multiple pools in the wellbore.

It appearing that the subject well qualifies for approval for such exception pursuant to the provisions of Rule 303.C., and that reservoir damage or waste will not result from such downhole commingling, and correlative rights will not be violated thereby, you are hereby authorized to commingle the production as described above and any Division Order which authorized the dual completion and required separation of the subject zones is hereby placed in abeyance.

The maximum amount of gas which may be produced daily from the well shall be determined by Division Rules and Regulations or by the gas allowable for each respective prorated pool as printed in the Division's San Juan Basin Gas Proration Schedule.

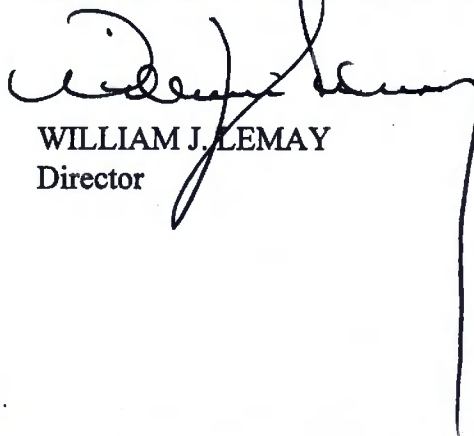
In accordance with the provisions of Rule 303.C., the supervisor of the Aztec District Office of the Oil Conservation Division shall determine the proper allocation of production from the subject well following its completion.

REMARKS: The operator shall notify the Aztec District Office of the Division upon implementation of the commingling process.

Pursuant to Rule 303.H., the commingling authority granted by the order may be rescinded by the Division Director if, in his opinion, conservation is not being best served by such commingling.

Approved at Santa Fe, New Mexico on this 28th day of October, 1996.

STATE OF NEW MEXICO  
OIL CONSERVATION DIVISION



WILLIAM J. LEMAY  
Director

SEAL

WJL/BES

cc: Oil Conservation Division - Aztec  
Bureau of Land Management - Farmington

District I  
PO Box 1980, Hobbs, NM 88241-1980  
  
District II  
P.O. 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

Form C-104  
Revised February 21, 1994  
Instructions on back  
Submit to Appropriate District Office  
5 Copies  
  
☐ AMENDED REPORT

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

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

<sup>1</sup> Operator Name and Address Burlington Resources Oil & Gas PO Box 4289 Farmington, NM 87499		<sup>2</sup> OGRID Number 14538
		<sup>3</sup> Reason for Filing Code CO - 7/11/96
<sup>4</sup> API Number 30-045-25112	<sup>5</sup> Pool Name BASIN DAKOTA (PRORATED GAS)	<sup>6</sup> Pool Code 71599
<sup>7</sup> Property Code 006935	<sup>8</sup> Property Name CULPEPPER MARTIN	<sup>9</sup> Well Number #1A

II. <sup>10</sup> Surface Location

UI or lot no. G	Section 31	Township 032N	Range 012W	Lot Idn	Feet from the 1850	North/South Line N	Feet from the 1850	East/West Line E	County SAN JUAN
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<sup>11</sup> Bottom Hole Location

UI or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West Line	County
<sup>12</sup> Lse Code	<sup>13</sup> Producing Method Code	<sup>14</sup> Gas Connection Date	<sup>15</sup> C-129 Permit Number	<sup>16</sup> C-129 Effective Date	<sup>17</sup> C-129 Expiration Date				

III. Oil and Gas Transporters

<sup>18</sup> Transporter OGRID	<sup>19</sup> Transporter Name and Address	<sup>20</sup> POD	<sup>21</sup> O/G	<sup>22</sup> POD ULSTR Location and Description
25244	WILLIAMS FIELD SERVICES CO P.O. BOX 58900 SALT LAKE CITY, UT 84158-0900		G	G-31-T032N-R012W
9018	Giant Industries 5764 US Hwy 64 Farmington, NM 87401	1532510	O	G-31-T032N-R012W

IV. Produced Water

<sup>23</sup> POD	<sup>24</sup> POD ULSTR Location and Description
-------------------	--

V. Well Completion Data

<sup>25</sup> Spud Date	<sup>26</sup> Ready Date	<sup>27</sup> TD	<sup>28</sup> PBSD	<sup>29</sup> Perforations
<sup>30</sup> Hole Size	<sup>31</sup> Casing & Tubing Size	<sup>32</sup> Depth Set	<sup>33</sup> Sacks Cement	

VI. Well Test Data

<sup>34</sup> Date New Oil	<sup>35</sup> Gas Delivery Date	<sup>36</sup> Test Date	<sup>37</sup> Test Length	<sup>38</sup> Tbg. Pressure	<sup>39</sup> Csg. Pressure
<sup>40</sup> Choke Size	<sup>41</sup> Oil	<sup>42</sup> Water	<sup>43</sup> Gas	<sup>44</sup> AOF	<sup>45</sup> Test Method

<sup>46</sup> I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.  Signature: <i>Dolores Diaz</i>		OIL CONSERVATION DIVISION  Approved by: Frank T. Chavez	
Printed Name: Dolores Diaz		Title: District Supervisor	
Title: Production Associate		Approved Date: July 11, 1996	
Date: 7/11/96	Phone: (505) 326-9700		
<sup>47</sup> If this is a change of operator fill in the OGRID number and name of the previous operator 14538 Meridian Oil Production			
Previous Operator Signature Signature: <i>Dolores Diaz</i>	Printed Name Dolores Diaz	Title Production Associate	Date 7/11/96

District I  
PO Box 1980, Hobbs, NM 88241-1980

District II  
P.O. 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

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Revised February 21, 1994  
Instructions on back  
Submit to Appropriate District Office  
5 Copies

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

☐ AMENDED REPORT

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<sup>1</sup> Operator Name and Address Burlington Resources Oil & Gas PO Box 4289 Farmington, NM 87499		<sup>2</sup> OGRID Number 14538
		<sup>3</sup> Reason for Filing Code CO - 7/11/96
<sup>4</sup> API Number 30-045-25112	<sup>5</sup> Pool Name BLANCO MESAVERDE (PRORATED) GAS	<sup>6</sup> Pool Code 72319
<sup>7</sup> Property Code 006935	<sup>8</sup> Property Name CULPEPPER MARTIN	<sup>9</sup> Well Number #1A

II. <sup>10</sup> Surface Location

UI or lot no. G	Section 31	Township 032N	Range 012W	Lot.Idn	Feet from the 1850	North/South Line N	Feet from the 1850	East/West Line E	County SAN JUAN
--------------------	---------------	------------------	---------------	---------	-----------------------	-----------------------	-----------------------	---------------------	--------------------

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<sup>46</sup> I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature: *Dolores Diaz*

Printed Name:  
Dolores Diaz

Title:  
Production Associate

Date:  
7/11/96

Phone  
(505) 326-9700

OIL CONSERVATION DIVISION

Approved by: Frank T. Chavez

Title: District Supervisor

Approved Date: July 11, 1996

<sup>47</sup> If this is a change of operator fill in the OGRID number and name of the previous operator

14538 Meridian Oil Production

Previous Operator Signature

Printed Name

Title

Date

Signature: *Dolores Diaz*

Dolores Diaz

Production Associate

7/11/96



State of New Mexico  
Energy, Minerals and Natural Resources Department  
Oil Conservation Division

Sundry Notices and Reports on Wells

1. Type of Well  
GAS

2. Name of Operator  
**BURLINGTON  
RESOURCES** OIL & GAS COMPANY

3. Address & Phone No. of Operator  
PO Box 4289, Farmington, NM 87499 (505) 326-9700

4. Location of Well, Footage, Sec., T, R, M  
1850' FNL, 1850' FEL, Sec. 31, T-32-N, R-12-W, NMPM, San Juan County

API # (assigned by OCD)  
30-045-25112

5. Lease Number  
Fee

6. State Oil & Gas Lease #

7. Lease Name/Unit Name  
Culpepper Martin

8. Well No.  
1A

9. Pool Name or Wildcat  
Blanco MV/Basin DK

10. Elevation:

Type of Submission	Type of Action
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other - Commingle
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut off
	<input type="checkbox"/> Conversion to Injection

13. Describe Proposed or Completed Operations

12-26-96 MIRU. ND WH. NU BOP. TOOH w/136 jts 2 3/8" Mesaverde tbq. TOOH w/2 jts Dakota tbq out of pkr. SDON.

12-27-96 TOOH w/106 jts 2 3/8" Dakota tbq. TIH to lnr top @ 4250'. SD for weekend.

12-30-96 TIH to top of pkr. Mill on pkr. Circ hole clean. TOOH w/pkr. TIH, tag fill @ 7010'. SDON.

12-31-96 Clean out well to PBTD @ 7055'. Circ hole clean. TIH w/226 jts 2 3/8" 4.7# J-55 EUE tbq, landed @ 6982'. Circ hole clean. SD for holiday.

1-2-97 RD. Rig released.

Well will produce as a Mesaverde/Dakota commingle per DHC-1392.

**RECEIVED**  
FEB 10 1997

OIL CON. DIV.  
DIST. 3

SIGNATURE *Regina Braahied* Regulatory Administrator February 4, 1997

(This space for State Use)

Approved by *Ernie Busch* Title DEPUTY OIL & GAS INSPECTOR, DIST. #3 Date FEB 10 1997

2-10-97

OIL CONSERVATION DIVISION  
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State of New Mexico  
Energy, Minerals and Natural Resources Department  
Oil Conservation Division

Sundry Notices and Reports on Wells

NOV 7 AM 8 52

1. Type of Well  
GAS

2. Name of Operator

**BURLINGTON  
RESOURCES**

OIL & GAS COMPANY

3. Address & Phone No. of Operator

PO Box 4289, Farmington, NM 87499 (505) 326-9700

4. Location of Well, Footage, Sec., T, R, M

1850' FNL, 1850' FEL, Sec.31, T-32-N, R-12-W, NMPM, San Juan County

API # (assigned by OCD)

30-045-25112

5. Lease Number

Fee

6. State Oil&Gas Lease #

7. Lease Name/Unit Name

Culpepper Martin

8. Well No.

1A

9. Pool Name or Wildcat

Blanco MV/Basin DK

10. Elevation:

Type of Submission

Type of Action

☒ Notice of Intent

☐ Abandonment

☐ Change of Plans

☐ Subsequent Report

☐ Recompletion

☐ New Construction

☐ Final Abandonment

☐ Plugging Back

☐ Non-Routine Fracturing

☐ Casing Repair

☐ Water Shut off

☐ Altering Casing

☐ Conversion to Injection

☒ Other - Commingle

13. Describe Proposed or Completed Operations

It is intended to commingle the subject well according to the attached procedure and wellbore diagram. Down hole commingle order DHC-1392 has been obtained from the New Mexico Oil Conservation Division.

RECEIVED  
(NOV - 1 1996)

OIL CON. DIV.  
DIST. 3

SIGNATURE [Signature] (MEL4) Regulatory Administrator October 31, 1996

(This space for State Use)

Approved by [Signature] Title DEPUTY OIL & GAS INSPECTOR, DIST. #3 Date NOV 05 1996



## Culpepper Martin SRC #1A

Mesaverde / Dakota  
Unit G Section 31, T32N, R12W  
Lat. 36.944702 Long. -108.133301 by TDG  
Commingle Workover Procedure 10/2/96

1. Hold safety meeting. Comply with all MOI, BLM and NMOC rules and regulations. Dig flowback pit or set flowback tank. Install 1x400 bbl rig tank and fill w/ 2% KCL water.
2. Obtain and record all wellhead pressures. NU relief line. Blow well down and kill with 2% KCL water as necessary. ND WH and NU BOP.
3. TOOH w/ 2-3/8" Mesaverde tubing set at 4214'. TOOH w/ 2-3/8" Dakota tubing set at 6955' and Baker Model "D" seal assembly and lay down. Inspect tubing and report any scale build up. (An acid wash may be necessary and will be pumped in step 6.)
4. PU Baker CJ milling tool on 2-3/8" tubing and TIH. Mill on Baker Model "D" packer with air/mist. Recover packer and TOOH.
5. PU 4-3/4" bit and 5-1/2", 15.5# casing scraper on 2-3/8" workstring and clean out to PBTD of 7055'. Obtain pitot gauge and record on morning report.
6. If tubing did not have excessive scale in Step 3, skip to Step 7. RU acid truck and pump 300 gallons of inhibited 15% HCL down tubing followed by air/mist. Allow acid to spend for 15 minutes then displace from hole.
7. PU above the Mesaverde perforations @ 4213' and flow the well naturally, making short trips for clean up when necessary. Obtain pitot gauge from MV and DK after clean up. TOOH w/ bit and scraper.
8. TIH with one joint of 2-3/8", 4.7#, J-55 tubing w/ expendable check, a seating nipple (one joint off of bottom), then the remaining 2-3/8" production tubing. CO to PBTD. Land tubing near bottom perforation (6992').
9. ND BOP, NU single tubing hanger wellhead. Pump off expendable check. Obtain final pitot up the tubing. If well will not flow on it's own, make swab run to seating nipple. If a swab run is not necessary, run a broach on slickline to ensure that the tubing is clear. RD and MOL. Return well to production.

Approval:

\_\_\_\_\_  
Drilling Superintendent

Approval:

Ch. Lantz for MEL 10/18/96  
Northwest Basin Team Leader

**Contacts:**

Engineers:

Mary Ellen Lutey  
Office - (599-4052)  
Home - (325-9387)  
Pager - (324-2671)

Lori Lantz  
Office - (599-4024)  
Home - (324-0692)

MEL:mel

q:\area\ar45\1996proj\culpmla\pro.doc

Pertinent Data Sheet  
**CULPEPPER MARTIN #1A**  
Dual Mesaverde/Dakota Well

**Location:** Unit G SW/4 NE/4, Section 31, T32N, R12W, 1850' FEL, 1850' FNL,  
Lat. 36.944702 Long. -108.133301 by TDG  
San Juan County, NM

**Field:** Mesaverde  
Basin Dakota

**Elevation:** 5842' GL  
**KB:** N/A

**TD:** 7100'  
**PBTD:** 7055'

**Spud Date:** 08-08-81

**Completed:** 01-29-82

**DP No:** MV: 12963S  
DK: 12962S

**Prop. No:** 071381700

**Casing/Liner Record:**

<u>Hole Size</u>	<u>Csg. Size</u>	<u>Wt. &amp; Grade</u>	<u>Depth Set</u>	<u>Cement</u>	<u>Top/Cement</u>
13 1/2"	10 3/4"	40.5# K-55	376'	250 sxs	surface
9 7/8"	7 5/8"	26.4# K-55	4415'	1200 sxs	surface
6 1/4"	5 1/2"	15.5# K-55	4250'-7098'	300 sxs	TOC 4370' (CBL)

**Tubing Record:** 2 3/8" 4.7# MV set @ 4214' and DK @ 6955'; Baker Model "D" packer set @ 4845'

**Formation Tops:**

Ojo Alamo:	1367
Kirtland:	1390
Pictured Cliffs:	2169
Lewis:	2307
Chacra:	3747
Menefee:	4002
Point Lookout:	4550
Mancos:	4811
Gallup:	5898
Base Greenhorn:	6621
Graneros sh:	6687
Graneros ss:	6748
Dakota:	6827

**Logging Record:** DIL, FDC, CNL, GR Cyberlook

**Perf/Stim History:**

**Mesaverde**

4213'-4241'

Fracture stimulated with 78,582 gal.  
slick KCl and 66,000# sand.

4554'-4808'

Fracture stimulated with 113,652 gal.  
slick KCl and 98,352# sand.

Total: 110 shots

**Dakota**

6752'-6992'

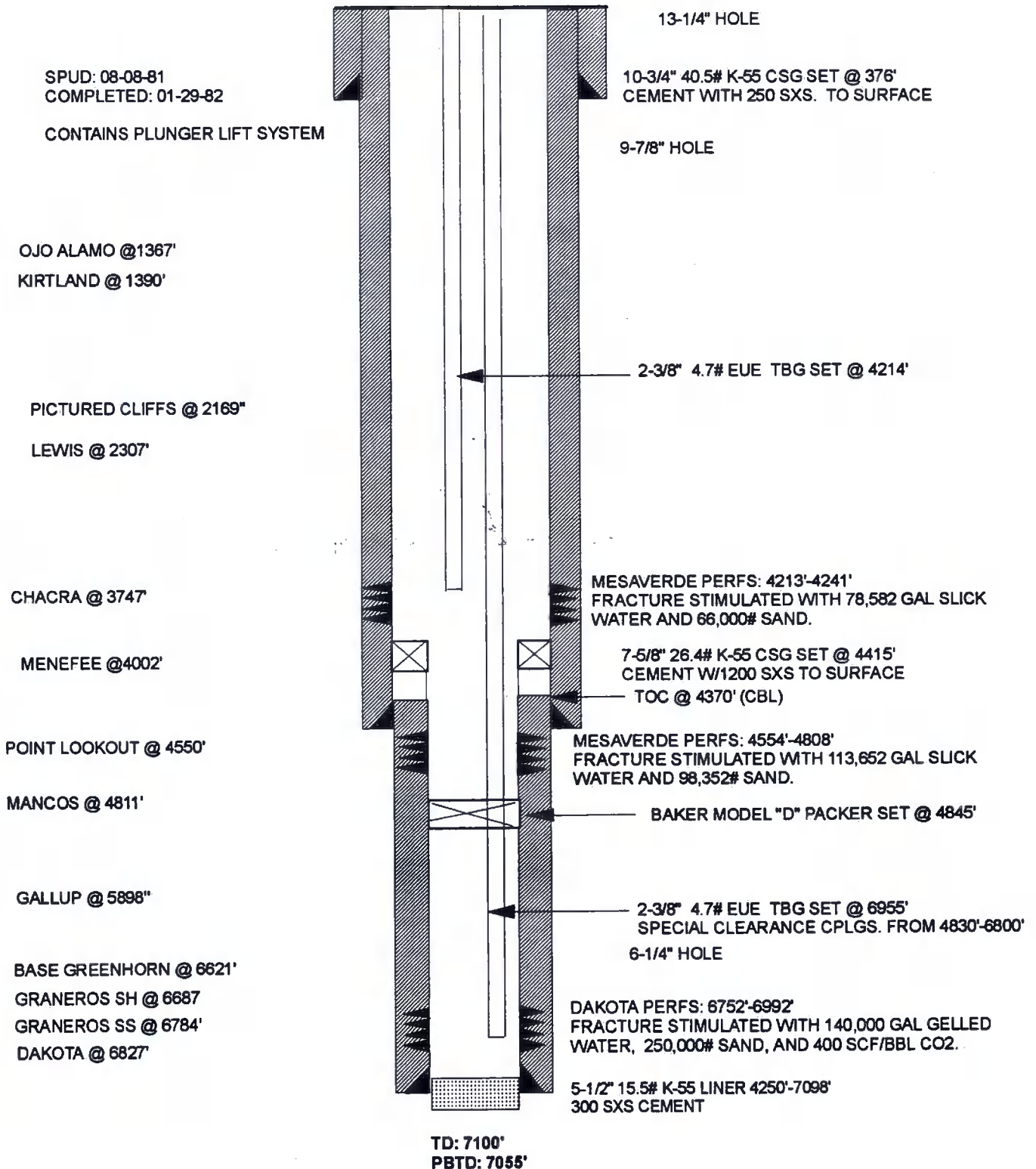
Fractured stimulated with 140,000 gal.  
gelled water, 250,000# sand, and 400  
SCF/BBL CO2.

Total: 76 shots

# Culpepper Martin #1A

## Current 08-06-96

BLANCO MESAVERDE/BASIN DAKOTA  
UNIT G, SEC 31, T32N, R12W, SAN JUAN COUNTY, NM



Submit 5 Copies  
Appropriate District Office  
DISTRICT I  
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II  
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico  
Energy, Minerals and Natural Resources Department

## OIL CONSERVATION DIVISION

P.O. Box 2088  
Santa Fe, New Mexico 87504-2088

OIL CONSERVATION DIVISION  
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Form C-104  
Revised 1-1-89  
See Instructions  
at Bottom of Page

### REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Operator <b>Meridian Oil Inc.</b>	Well API No. <b>30-045-25112</b>
Address <b>P. O. Box 4289, Farmington, NM 87499</b>	
Reason(s) for Filing (Check proper box) New Well <input type="checkbox"/> Change in Transporter of: Recompletion <input type="checkbox"/> Oil <input type="checkbox"/> Dry Gas <input type="checkbox"/> Change in Operator <input checked="" type="checkbox"/> Casinghead Gas <input type="checkbox"/> Condensate <input type="checkbox"/> Effective 9/17/91	
If change of operator give name and address of previous operator <b>UNION TEXAS PETROLEUM: P.O. BOX 2120, HOUSTON, TX 77252</b>	

### II. DESCRIPTION OF WELL AND LEASE

Lease Name <b>Culpepper Martin</b>	Well No. <b>1A</b>	Pool Name, Including Formation <b>Basin Dakota</b>	Kind of Lease State, Federal or Fee	Lease No. Fee
Location Unit Letter <b>G</b> : <b>1850</b> Feet From The <b>east</b> Line and <b>1850</b> Feet From The <b>north</b> Line Section <b>31</b> Township <b>32N</b> Range <b>12W</b> , <b>NMPM</b> , <b>San Juan</b> County				

### III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input checked="" type="checkbox"/> or Condensate <input type="checkbox"/> <b>Meridian Oil Inc.</b>	Address (Give address to which approved copy of this form is to be sent) <b>P.O. Box 4289; Farmington, NM 87499</b>					
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input checked="" type="checkbox"/> <b>SUNTERRA GAS GATHERING CO.</b>	Address (Give address to which approved copy of this form is to be sent) <b>P.O. BOX 26400, ALBUQUERQUE, NM 87125</b>					
If well produces oil or liquids, give location of tanks.	Unit	Sec.	Twp.	Rge.	Is gas actually connected?	When?

If this production is commingled with that from any other lease or pool, give commingling order number:

### IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v	Diff Res'v
Date Spudded	Date Compl. Ready to Prod.		Total Depth		P.B.T.D.			
Elevations (DF, RKB, RT, GR, etc.)	Name of Producing Formation		Top Oil/Gas Pay		Tubing Depth			
Perforations					Depth Casing Shoe			
TUBING, CASING AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE		DEPTH SET		SACKS CEMENT			

### V. TEST DATA AND REQUEST FOR ALLOWABLE

OIL WELL (Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours.)		
Date First New Oil Run To Tank	Date of Test	Producing Method (Flow, pump, gas lift, etc.)
Length of Test	Tubing Pressure	Casing Pressure
Actual Prod. During Test	Oil - Bbls.	Water - Bbls.

RECEIVED  
MCF  
SEP 23 1991

### GAS WELL

Actual Prod. Test - MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity or Condensate
Testing Method (pilot, back pr.)	Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)	Choke Size

OIL CON. DIV.  
DIST. 3

### VI. OPERATOR CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

*Leslie Kahwajy*  
Signature  
**Leslie Kahwajy** Production Analyst  
Printed Name  
**9/20/91** **505-326-9700** Title  
Date Telephone No.

OIL CONSERVATION DIVISION  
SEP 23 1991

Date Approved  
By *Supervisor*  
Title  
**SUPERVISOR DISTRICT #3**

INSTRUCTIONS: This form is to be filed in compliance with Rule 1104

1) Request for allowable for newly drilled or deepened well must be accompanied by tabulation of deviation tests taken in accordance with Rule 111.

2) All sections of this form must be filled out for allowable on new and recompleted wells.

3) Fill out only Sections I, II, III, and VI for changes of operator, well name, or number, transporter, or other such changes.



Submit 5 Copies  
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P.O. Box 1980, Hobbs, NM 88240

DISTRICT II  
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico OIL CONSERVATION DIVISION  
Energy, Minerals and Natural Resources Department  
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Revised 1-1-89  
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## OIL CONSERVATION DIVISION

P.O. Box 2088  
Santa Fe, New Mexico 87504-2088

### REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

I. Operator <b>Meridian Oil Inc.</b>		Well API No. <b>30-045-25112</b>
Address <b>P. O. Box 4289, Farmington, NM 87499</b>		
Reason(s) for Filing (Check proper box) New Well <input type="checkbox"/> <input type="checkbox"/> Other (Please explain) Recompletion <input type="checkbox"/> Change in Transporter of: Change in Operator <input checked="" type="checkbox"/> Oil <input type="checkbox"/> Dry Gas <input type="checkbox"/> Casinghead Gas <input type="checkbox"/> Condensate <input type="checkbox"/> Effective 9/17/91		
If change of operator give name and address of previous operator <b>UNION TEXAS PETROLEUM: P.O. BOX 2120, HOUSTON, TX 77252</b>		

### II. DESCRIPTION OF WELL AND LEASE

Lease Name <b>Culpepper Martin</b>	Well No. <b>1A</b>	Pool Name, Including Formation <b>Blanco Mesaverde</b>	Kind of Lease State, Federal or Fee	Lease No. Fee
Location Unit Letter <b>G</b> : <b>1850</b> Feet From The <b>east</b> Line and <b>1850</b> Feet From The <b>north</b> Line Section <b>31</b> Township <b>32N</b> Range <b>12W</b> , <b>NMPM</b> , <b>San Juan</b> County				

### III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <b>Meridian Oil Inc.</b> <input checked="" type="checkbox"/> or Condensate <input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent) <b>P.O. Box 4289; Farmington, NM 87499</b>					
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent) <b>SUNTERRA GAS GATHERING CO., P.O. BOX 26400, ALBUQUERQUE, NM 87125</b>					
If well produces oil or liquids, give location of tanks.	Unit	Sec.	Twp.	Rge.	Is gas actually connected?	When?

If this production is commingled with that from any other lease or pool, give commingling order number:

### IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v	Diff Res'v
Date Spudded	Date Compl. Ready to Prod.		Total Depth		P.B.T.D.			
Elevations (DF, RKB, RT, GR, etc.)	Name of Producing Formation		Top Oil/Gas Pay		Tubing Depth			
Perforations					Depth Casing Shoe			
TUBING, CASING AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE		DEPTH SET		SACKS CEMENT			

### V. TEST DATA AND REQUEST FOR ALLOWABLE

OIL WELL (Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours.)

Date First New Oil Run To Tank	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil - Bbls.	Water - Bbls.	MCF

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### GAS WELL

Actual Prod. Test - MCF/D	Length of Test	Bbls. Condensate/MMCF	Choke Size
Testing Method (pilot, back pr.)	Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)	Choke Size

OIL CON. DIV.  
DIST-3

### VI. OPERATOR CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

**Leslie Kahwajy**  
Signature  
**Leslie Kahwajy** Production Analyst  
Printed Name  
**9/20/91** **505-326-9700**  
Date Telephone No.

### OIL CONSERVATION DIVISION

Date Approved **SEP 23 1991**

By **[Signature]**  
Title **SUPERVISOR DISTRICT 13**

### INSTRUCTIONS: This form is to be filed in compliance with Rule 1104

- 1) Request for allowable for newly drilled or deepened well must be accompanied by tabulation of deviation tests taken in accordance with Rule 111.
- 2) All sections of this form must be filled out for allowable on new and recompleted wells.
- 3) Fill out only Sections I, II, III, and VI for changes of operator, well name or number, transporter, or other such changes.

Submit 5 Copies  
Appropriate District Office  
DISTRICT I  
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II  
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico  
Energy, Minerals and Natural Resources Department

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OIL CONSERVATION DIVISION  
P.O. Box 2088  
Santa Fe, New Mexico 87504-2088

REQUEST FOR ALLOWABLE AND AUTHORIZATION  
TO TRANSPORT OIL AND NATURAL GAS

I. Operator Union Texas Petroleum Corporation Well API No. \_\_\_\_\_

Address P.O. Box 2120 Houston, Texas 77252-2120

Reason(s) for Filing (Check proper box)

New Well ☐

Recompletion ☐

Change in Operator ☐

Change in Transporter of:

Oil ☐

Casinghead Gas ☐

☒ Dry Gas ☐

☐ Condensate ☐

Other (Please explain) \_\_\_\_\_

If change of operator give name  
and address of previous operator \_\_\_\_\_

II. DESCRIPTION OF WELL AND LEASE

Lease Name Culpepper Martin Well No. #1A Pool Name, including Formation BLANCO (Mesaverde) Kind of Lease State, Federal or Fee Lease No. \_\_\_\_\_  
Location Unit Letter G 1850 Feet From The E Line and 1850 Feet From The N Line  
Section 31 Township 32N Range 12W NMPM, SAN JUAN County

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil ☒ or Condensate ☐ Address (Give address to which approved copy of this form is to be sent)  
Meridian Oil Inc. P.O. Box 4289, Farmington, NM 87499  
Name of Authorized Transporter of Casinghead Gas ☐ or Dry Gas ☒ Address (Give address to which approved copy of this form is to be sent)  
Sunterra Gas Gathering Co. P.O. Box 26400, Albuquerque, NM 87125  
If well produces oil or liquids, give location of tanks. Unit Sec. Twp. Rgs. Is gas actually connected? When?

If this production is commingled with that from any other lease or pool, give commingling order number: \_\_\_\_\_

IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v	Diff Res'v
Date Spudded	Date Compl. Ready to Prod.		Total Depth		P.B.T.D.			
Elevations (DF, RKB, RT, GR, etc.)	Name of Producing Formation		Top Oil/Gas Pay		Tubing Depth			
Perforations					Depth Casing Shoe			
TUBING, CASING AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE		DEPTH SET		SACKS CEMENT			

V. TEST DATA AND REQUEST FOR ALLOWABLE

OIL WELL (Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours.)

Date First New Oil Run To Tank \_\_\_\_\_ Date of Test \_\_\_\_\_ Producing Method (Flow, pump, gas lift, etc.) \_\_\_\_\_  
Length of Test \_\_\_\_\_ Tubing Pressure \_\_\_\_\_ Casing Pressure \_\_\_\_\_ Choke Size \_\_\_\_\_  
Actual Prod. During Test \_\_\_\_\_ Oil - Bbls. \_\_\_\_\_ Water - Bbls. \_\_\_\_\_ Gas - MCF \_\_\_\_\_

GAS WELL

Actual Prod. Test - MCF/D \_\_\_\_\_ Length of Test \_\_\_\_\_ Bbls. Condensate/MMCF \_\_\_\_\_ Gravity of Condensate \_\_\_\_\_  
Testing Method (pilot, back pr.) \_\_\_\_\_ Tubing Pressure (Shut-in) \_\_\_\_\_ Casing Pressure (Shut-in) \_\_\_\_\_ Choke Size \_\_\_\_\_

VI. OPERATOR CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature Annette C. Bisby Env. & Reg. Sec'rtry  
Printed Name Annette C. Bisby Title (713) 968-4012  
Date 8-7-89 Telephone No. \_\_\_\_\_

OIL CONSERVATION DIVISION

Date Approved AUG 28 1989  
By [Signature]  
Title SUPERVISION DISTRICT # 3

INSTRUCTIONS: This form is to be filed in compliance with Rule 1104

- 1) Request for allowable for newly drilled or deepened well must be accompanied by tabulation of deviation tests taken in accordance with Rule 111.
- 2) All sections of this form must be filled out for allowable on new and recompleted wells.
- 3) Fill out only Sections I, II, III, and VI for changes of operator, well name or number, transporter, or other such changes.
- 4) Separate Form C-104 must be filed for each pool in workover recompleted well.



Submit 5 Copies  
Appropriate District Office  
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P.O. Drawer DD, Artesia, NM 88210

DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico  
Energy, Minerals and Natural Resources Department

## OIL CONSERVATION DIVISION

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Santa Fe, New Mexico 87504-2088

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89 OCT 12 PM 1 17

### REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

I. Operator Union Texas Petroleum Corporation Well API No. \_\_\_\_\_

Address P.O. Box 2120 Houston, Texas 77252-2120

Reason(s) for Filing (Check proper box)

New Well ☐

Recompletion ☐

Change in Operator ☐

Change in Transporter of:

Oil ☐

Casinghead Gas ☐

Dry Gas ☐

Condensate ☐

Other (Please explain) \_\_\_\_\_

If change of operator give name  
and address of previous operator \_\_\_\_\_

### II. DESCRIPTION OF WELL AND LEASE

Lease Name Culpepper Martin Well No. #1A Pool Name, including Formation Basin (Dakota) Kind of Lease State, Federal or Fee Lease No. \_\_\_\_\_  
Location Unit Letter G : 1850 Feet From The E Line and 1850 Feet From The N Line  
Section 31 Township 32N Range 12W , NMPM, SAN JUAN County

### III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil ☒ or Condensate ☐ Address (Give address to which approved copy of this form is to be sent)  
Meridian Oil Inc. P.O. Box 4289, Farmington, NM 87499  
Name of Authorized Transporter of Casinghead Gas ☐ or Dry Gas ☒ Address (Give address to which approved copy of this form is to be sent)  
Sunterra Gas Gathering Co. P.O. Box 26400, Albuquerque, NM 87125  
If well produces oil or liquids, give location of tanks. Unit Sec. Twp. Rgn. Is gas actually connected? When ?

If this production is commingled with that from any other lease or pool, give commingling order number: \_\_\_\_\_

### IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v	Diff Res'v
Date Spudded	Date Compl. Ready to Prod.		Total Depth		P.B.T.D.			
Elevations (DF, RKB, RT, GR, etc.)	Name of Producing Formation		Top Oil/Gas Pay		Tubing Depth			
Perforations					Depth Casing Shoe			
TUBING, CASING AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE		DEPTH SET		SACKS CEMENT			

### V. TEST DATA AND REQUEST FOR ALLOWABLE

#### OIL WELL

(Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours.)

Date First New Oil Run To Tank	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil - Bbls.	Water - Bbls.	Gas - MCF

#### GAS WELL

Actual Prod. Test - MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (pilot, back pr.)	Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)	Choke Size

### VI. OPERATOR CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature Annette C. Bisby Env. & Reg. Sec'try  
Printed Name Annette C. Bisby Title (713) 968-4012  
Date 8-7-89 Telephone No. \_\_\_\_\_

### OIL CONSERVATION DIVISION

Date Approved AUG 28 1989  
By Brian J. Chan  
Title SUPERVISION DISTRICT #3

### INSTRUCTIONS: This form is to be filed in compliance with Rule 1104

- 1) Request for allowable for newly drilled or deepened well must be accompanied by tabulation of deviation tests taken in accordance with Rule 111.
- 2) All sections of this form must be filled out for allowable on new and recompleted wells.
- 3) Fill out only Sections I, II, III, and VI for changes of operator, well name or number, transporter, or other such changes.
- 4) Separate Form C-104 must be filed for each pool in multiply completed wells.



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P. O. BOX 2088  
SANTA FE, NEW MEXICO 87501

Form C-104  
Revised 10-01-78  
Format 08-01-83  
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REQUEST FOR ALLOWABLE  
AND  
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS  
OIL CON. DIV.  
DIST. 3

I. Operator  
Union Texas Petroleum Corporation

Address  
375 US Highway 64, Farmington, NM 87401

Reason(s) for filing (Check proper box)  
☐ New Well  
☐ Recombination  
☐ Change in Ownership

Change in Transporter of:  
☐ Oil  
☐ Casinghead Gas  
☒ Dry Gas  
☐ Condensate

Other (Please explain)

If change of ownership give name  
and address of previous owner

II. DESCRIPTION OF WELL AND LEASE

Lease Name Culpepper Martin	Well No. 1A	Pool Name, including Formation Basin Dakota	Kind of Lease State, Federal or Fee	Lease N Fee
Location Unit Letter G 1850 Feet From The North Line and 1850 Feet From The East Line of Section 31 Township 32N Range 12W, NMPM, San Juan Count				

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input checked="" type="checkbox"/> Conoco, Inc. Surface Trans.	Address (Give address to which approved copy of this form is to be sent) P. O. Box 1429, Bloomfield, NM 87413	
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input checked="" type="checkbox"/> Sunterra Gas Gathering Company	Address (Give address to which approved copy of this form is to be sent) P. O. Box 1809, Bloomfield, NM 87413	
If well produces oil or liquids, give location of tanks.	Unit Sec. Twp. Rge. G 31 32N 12W	Is gas actually connected? When

If this production is commingled with that from any other lease or pool, give commingling order number

NOTE: Complete Parts IV and V on reverse side if necessary.

VI. CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Division have been complied with and that the information given is true and complete to the best of my knowledge and belief.

Robert C. Frank  
(Signature)  
Permit Coordinator  
(Title)  
June 16, 1987  
(Date)

OIL CONSERVATION DIVISION

APPROVED JUN 18 1987  
BY Frank J. [Signature]  
SUPERVISOR DISTRICT 3  
TITLE

This form is to be filed in compliance with RULE 1104.  
If this is a request for allowable for a newly drilled or deep well, this form must be accompanied by a tabulation of the device tests taken on the well in accordance with RULE 111.  
All sections of this form must be filled out completely for all able on new and recompleted wells.  
Fill out only Sections I, II, III, and VI for changes of well name or number, or transporter or other such change of condition.  
Separate Forms C-104 must be filed for each pool in multi-completed wells.

#### IV. COMPLETION DATA

Designate Type of Completion - (X)		Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v.	Diff. Res'
Date Spudded	Date Compl. Ready to Prod.	Total Depth				P.B.T.D.			
Elevations (DF, RKB, RT, GR, etc.)	Name of Producing Formation	Top Oil/Gas Pay				Tubing Depth			
Perforations						Depth Casing Shoe			

#### TUBING, CASING, AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT

#### V. TEST DATA AND REQUEST FOR ALLOWABLE (Test must be after recovery of total volume of load oil and must be equal to or exceed top all able for this depth or be for full 24 hours)

Date First New Oil Run To Tanks	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil - Bbls.	Water - Bbls.	Gas - MCF

#### GAS WELL

Actual Prod. Test - MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (pilot, back pr.)	Tubing Pressure (Shut-In)	Casing Pressure (Shut-In)	Choke Size

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P. O. BOX 2088  
SANTA FE, NEW MEXICO 87501

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Form C-104  
Revised 10-01-78  
Form 10-01-83

REQUEST FOR ALLOWABLE  
AND  
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

I. Operator Union Texas Petroleum Corporation

Address 375 US Highway 64, Farmington, NM 87401

Reason(s) for filing (Check proper box)

<input type="checkbox"/> New Well	Change in Transporter of:	<input checked="" type="checkbox"/> Dry Gas
<input type="checkbox"/> Recompletion	<input type="checkbox"/> Oil	<input type="checkbox"/> Condensate
<input type="checkbox"/> Change in Ownership	<input type="checkbox"/> Casinghead Gas	

Other (Please explain) \_\_\_\_\_

If change of ownership give name and address of previous owner \_\_\_\_\_

II. DESCRIPTION OF WELL AND LEASE

Lease Name <u>Culpepper Martin</u>	Well No. <u>1A</u>	Pool Name, including Formation <u>Blanco Mesaverde</u>	Kind of Lease State, Federal or Fee	Lease No. <u>Fee</u>
Location Unit Letter <u>G</u> : <u>1850</u> Feet From The <u>North</u> Line and <u>1850</u> Feet From The <u>East</u> Line of Section <u>31</u> Township <u>32N</u> Range <u>12W</u> , NMPM, <u>San Juan</u> Count				

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
<u>Conoco, Inc. Surface Trans.</u>	<u>P. O. Box 1429, Bloomfield, NM 87413</u>
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
<u>Sunterra Gas Gathering Company</u>	<u>P. O. Box 1809, Bloomfield, NM 87413</u>
If well produces oil or liquids, give location of tanks.	Is gas actually connected? When
Unit <u>G</u> Sec. <u>31</u> Twp. <u>32N</u> Rge. <u>12W</u>	

If this production is commingled with that from any other lease or pool, give commingling order number: \_\_\_\_\_

NOTE: Complete Parts IV and V on reverse side if necessary.

VI. CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Division have been complied with and that the information given is true and complete to the best of my knowledge and belief.

Robert C. Frank  
(Signature)  
Permit Coordinator  
June 16, 1987  
(Date)

OIL CONSERVATION DIVISION  
JUN 18 1987  
APPROVED \_\_\_\_\_  
BY \_\_\_\_\_  
TITLE \_\_\_\_\_  
SUPERVISOR DISTRICT \_\_\_\_\_

This form is to be filed in compliance with RULE 1104.  
If this is a request for allowable for a newly drilled or deep well, this form must be accompanied by a tabulation of the device tests taken on the well in accordance with RULE 111.  
All sections of this form must be filled out completely for all able on new and recompleted wells.  
Fill out only Sections I, II, III, and VI for changes of oil well name or number, or transporter, or other such change of condition.  
Separate Forms C-104 must be filed for each pool in multi-completed wells.

#### IV. COMPLETION DATA

Designate Type of Completion - (X)		Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Resv.	Diff. Res.
Date Spudded	Date Compl. Ready to Prod.	Total Depth				P.B.T.D.			
Elevations (DF, RKB, RT, GR, etc.)	Name of Producing Formation	Top Oil/Gas Pay				Tubing Depth			
Perforations						Depth Casing Shoe			

#### TUBING, CASING, AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT

#### V. TEST DATA AND REQUEST FOR ALLOWABLE OIL WELL

*(Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)*

Date First New Oil Run To Tanks	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil - Bbls.	Water - Bbls.	Gas - MCF

#### GAS WELL

Actual Prod. Test - MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (pilot, back pr.)	Tubing Pressure (Shut-In)	Casing Pressure (Shut-In)	Choke Size



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DIST. 3

Separate Forms C-104 must be filed for each pool in multiply completed wells.

## 7. COMPLETION DATA

Designate Type of Completion - (X)		Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Resrv.	Dill. Res.
Date Spudded	Date Compl. Ready to Prod.	Total Depth				P.B.T.D.			
Locations (DF, RKB, RT, GR, etc.)	Name of Producing Formation	Top Oil/Gas Pay				Tubing Depth			
Cementations						Depth Casing Shoe			

### TUBING, CASING, AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT

### TEST DATA AND REQUEST FOR ALLOWABLE (Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

First New Oil Run To Tanks	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Test Prod. During Test	Oil-Bbls.	Water-Bbls.	Gas-MCF

### S WELL

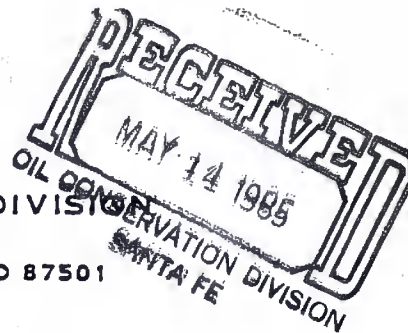
Test Prod. Test-MCF/D	Length of Test	Bbls. Condensate/MCF	Gravity of Condensate
Testing Method (pilot, back pr.)	Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)	Choke Size



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



Form C-104  
Revised 10-01-78  
Format 06-01-83  
Page 1

REQUEST FOR ALLOWABLE  
AND  
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Union Texas Petroleum Corporation  
P. O. Box 1290, Farmington, New Mexico 87499



Person(s) for filing (Check proper box)

New Well	Change in Transporter of:	Other (Please explain)
Recompletion	<input type="checkbox"/> Oil	<input type="checkbox"/> Dry Gas
Change in Ownership	<input type="checkbox"/> Casinghead Gas	<input checked="" type="checkbox"/> Condensate

Change of ownership give name  
address of previous owner

DESCRIPTION OF WELL AND LEASE

Well Name Culpepper Martin	Well No. 1-A	Pool Name, including Formation Basin Dakota	Kind of Lease State, Federal or Fee	Lease No. Fee
-------------------------------	-----------------	--	--	------------------

Unit Letter G : 1850 Feet From The North Line and 1850 Feet From The East

Line of Section 31 Township 32N Range 13W NMPM, San Juan County

DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
Conoco, Inc. Surface Transportation	P. O. Box 1429, Bloomfield, N.M. 87413
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
Southern Union Gathering Company	P. O. Box 26400, Albuquerque, N.M. 87125

Well produces oil or liquids, location of tanks.	Unit	Sec.	Twp.	Rge.	Is gas actually connected?	When
	G	31	32N	13W	Yes	

If production is commingled with that from any other lease or pool, give commingling order number:

NOTE: Complete Parts IV and V on reverse side if necessary.

CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Division have been complied with and that the information given is true and complete to the best of my knowledge and belief.

Kenneth E. Roddy  
Kenneth E. Roddy (Signature)  
Area Production Superintendent

(Title)

4/26/85

(Date)

OIL CONSERVATION DIVISION

APPROVED APR 26 1985, 19  
BY Charles E. Holton  
TITLE DEPUTY OIL & GAS INSPECTOR

This form is to be filed in compliance with RULE 1104.

If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.

All sections of this form must be filled out completely for allowables on new and recompleted wells.

Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transporter, or other such change of condition.

Separate Forms C-104 must be filed for each pool in multiply completed wells.

## V. COMPLETION DATA

Designate Type of Completion - (X)		Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Resrv.	DILL Res.
Date Spudded	Date Compl. Ready to Prod.		Total Depth			P.B.T.D.			
Deviations (DF, RKB, RT, GR, etc.)	Name of Producing Formation		Top Oil/Gas Pay			Tubing Depth			
Perforations						Depth Casing Shoe			

### TUBING, CASING, AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT

### TEST DATA AND REQUEST FOR ALLOWABLE (Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

1st First New Oil Run To Tanks	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Prod. Prod. During Test	Oil - Bbls.	Water - Bbls.	Gas - MCF

### S WELL

Prod. Prod. Test - MCF/D	Length of Test	Bbls. Condensate/MCF	Gravity of Condensate
Testing Method (pilot, back pr.)	Tubing Pressure (Start-1st)	Casing Pressure (Start-1st)	Choke Size

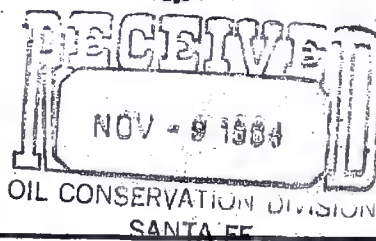
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P. O. BOX 2088  
SANTA FE, NEW MEXICO 87501

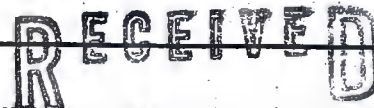
Form C-104  
Revised 10-01-78  
Format 06-01-83  
Page 1



REQUEST FOR ALLOWABLE  
AND  
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Union Texas Petroleum Corporation

P. O. Box 1290, Farmington, New Mexico 87499



Reason(s) for filing (Check proper box)

New Well ☐ Change in Transporter of:  
Recompletion ☐ Oil ☐ Dry Gas  
Change in Ownership ☐ casinghead Gas ☒ Condensate

Other (Please explain)

Change of ownership give name  
address of previous owner

DESCRIPTION OF WELL AND LEASE

Well Name Culpepper Martin	Well No. 1-A	Pool Name, including Formation Basin Dakota	Kind of Lease State, Federal or Fee	Lease No. Fee
Unit Letter G	1850	Feet From The North	Line and 1850	Feet From The East
Line of Section 31	Township 32N	Range 12W	NMPM, San Juan	County

DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input checked="" type="checkbox"/> Gary Energy Corporation	Address (Give address to which approved copy of this form is to be sent) P. O. Box 489, Bloomfield, N.M. 87413					
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input checked="" type="checkbox"/> Southern Union Gathering Company	Address (Give address to which approved copy of this form is to be sent) P. O. Box 26400, Albuquerque, N.M. 87125					
Well produces oil or liquids. Location of tanks.	Unit G	Sec. 31	Twp. 32N	Range 12W	Is gas actually connected? Yes	When

If production is commingled with that from any other lease or pool, give commingling order number

NOTE: Complete Parts IV and V on reverse side if necessary.

CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Division have been complied with and that the information given is true and complete to the best of my knowledge and belief.

Kenneth E. Roddy  
Kenneth E. Roddy (Signature)  
Area Production Superintendent

(Title)

9/28/84

(Date)

OIL CONSERVATION DIVISION

NOV 01 1984

APPROVED \_\_\_\_\_  
BY \_\_\_\_\_  
TITLE \_\_\_\_\_ SUPERVISOR DISTRICT # 3

This form is to be filed in compliance with RULE 1104.

If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.

All sections of this form must be filled out completely for allowable on new and recompleted wells.

Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transporter or other such change of condition.

Separate Forms C-104 must be filed for each pool in multiply completed wells.

#### IV. COMPLETION DATA

Designate Type of Completion - (X)		Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res <sup>rv</sup>	Diff. Res <sup>rv</sup>
Date Spudded	Date Compl. Ready to Prod.		Total Depth			P.B.T.D.			
Elevations (DF, RKB, RT, GR, etc.)	Name of Producing Formation		Top Oil/Gas Pay			Tubing Depth			
Perforations						Depth Casing Shoe			
<b>TUBING, CASING, AND CEMENTING RECORD</b>									
HOLE SIZE	CASING & TUBING SIZE		DEPTH SET			SACKS CEMENT			

#### V. TEST DATA AND REQUEST FOR ALLOWABLE OIL WELL

*(Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)*

Date First New Oil Run To Tanks	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil - Bbls.	Water - Bbls.	Gas - MCF

#### GAS WELL

Actual Prod. Test - MCF/D	Length of Test	Bbls. Condensate/MCF	Gravity of Condensate
Testing Method (pilot, back pr.)	Tubing Pressure (Shut-In)	Casing Pressure (Shut-In)	Choke Size



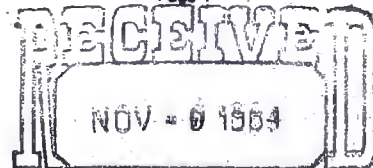
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P. O. BOX 2088  
SANTA FE, NEW MEXICO 87501

REQUEST FOR ALLOWABLE  
AND  
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Form C-104  
Revised 10-01-78  
Format 08-01-83  
Page 1



OIL CONSERVATION DIVISION  
SANTA FE

Union Texas Petroleum Corporation

P. O. Box 1290, Farmington, New Mexico 87499

Reason(s) for filing (Check proper box)

New Well ☐ Change in Transporter of: ☐ Oil ☐ Dry Gas ☐ Gas ☒ Condensate  
Recompletion ☐ Change in Ownership ☐ Change in Ownership

Other (Please explain)



OCT 03 1984

OIL CON. DIV.  
DIST. 3

Change of ownership give name  
address of previous owner

DESCRIPTION OF WELL AND LEASE

Well Name Culpepper Martin	Well No. 1-A	Pool Name, including Formation Blanco Mesaverde	Kind of Lease State, Federal or Fee	Lease No. Fee
-------------------------------	-----------------	--	--	------------------

Unit Letter G : 1850 Feet From The North Line and 1850 Feet From The East

Line of Section 31 Township 32N Range 12W , NMPM, San Juan County

DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input checked="" type="checkbox"/> Gary Energy Corporation	Address (Give address to which approved copy of this form is to be sent) P. O. Box 489, Bloomfield, N.M. 87413
Name of Authorized Transporter of Gas <input type="checkbox"/> or Dry Gas <input checked="" type="checkbox"/> Southern Union Gathering Company	Address (Give address to which approved copy of this form is to be sent) P. O. Box 26400, Albuquerque, N.M. 87125
Well produces oil or liquids, or location of tanks.	Unit <u>G</u> Sec. <u>31</u> Twp. <u>32N</u> Rge. <u>12W</u>
Is gas actually connected?	When

his production is commingled with that from any other lease or pool, give commingling order number:

NOTE: Complete Parts IV and V on reverse side if necessary.

CERTIFICATE OF COMPLIANCE

that the rules and regulations of the Oil Conservation Division have  
been complied with and that the information given is true and complete to the best of  
knowledge and belief.

Kenneth E. Roddy  
Kenneth E. Roddy (Signature)  
Area Production Superintendent

9/28/84

(Title)

(Date)

OIL CONSERVATION DIVISION

APPROVED NOV 01 1984  
BY Frank J. [Signature]  
TITLE SUPERVISOR DISTRICT # 3

This form is to be filed in compliance with RULE 1104.

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well name or number, or transporter or other such change of condition.

Separate Forms C-104 must be filed for each pool in multiply  
completed wells.

#### IV. COMPLETION DATA

Designate Type of Completion - (X)		Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Resrv.	Diff. Resrv.
Date Spudded	Date Compl. Ready to Prod.		Total Depth			P.B.T.D.			
Elevations (DF, RKB, RT, GR, etc.)	Name of Producing Formation		Top Oil/Gas Pay			Tubing Depth			
Perforations						Depth Casing Shoe			
<b>TUBING, CASING, AND CEMENTING RECORD</b>									
HOLE SIZE	CASING & TUBING SIZE		DEPTH SET			SACKS CEMENT			

#### V. TEST DATA AND REQUEST FOR ALLOWABLE (Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

Date First New Oil Run To Tanks	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil - Bbls.	Water - Bbls.	Gas - MCF

#### GAS WELL

Actual Prod. Test - MCF/D	Length of Test	Bbls. Condensate/MCF	Gravity of Condensate
Testing Method (pilot, back pr.)	Tubing Pressure (Shut-In)	Casing Pressure (Shut-In)	Choke Size



OIL CONSERVATION COMMISSION

1000 Rio Brazos Road

AZTEC, NEW MEXICO 87410

NOTICE OF GAS CONNECTION

DATE May 28, 1982

THIS IS TO NOTIFY THE OIL CONSERVATION COMMISSION THAT CONNECTION FOR THE PURCHASE OF  
GAS FROM THE Union Texas Petroleum Corporation  
OPERATOR

Culpepper Martin  
LEASE

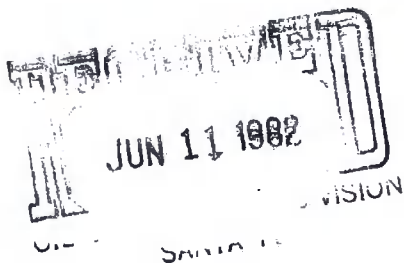
1-A (G) 31-32N-12W  
WELL UNIT S - T - R

Basin Dakota  
POOL

Southern Union Gathering Company  
NAME OF PURCHASER

WAS MADE ON 5-26-82 , FIRST DELIVERY 5-26-82  
DATE DATE

6321 AOF  
INITIAL POTENTIAL



Southern Union Gathering Company  
PURCHASER

J. R. Large  
REPRESENTATIVE  
James R. Large  
Dispatch Manager  
TITLE

SW

cc: OPERATOR

New Mexico Oil Conservation Commission - Aztec  
U. S. Geological Survey  
Mr. E. R. Corliss, Engineering  
Mr. R. J. McCrary, Prorations  
Mr. Robert Utay, Gas Accting.  
Ms. Nylene Dickson, Economic Analyses  
Mr. Mike Lambert, Gas Supply  
Mr. Richard Thomas, Gas Supply  
Mr. Perry McFarland, Kutz  
File



OIL CONSERVATION COMMISSION

1000 Rio Brazos Road

AZTEC, NEW MEXICO 87410

NOTICE OF GAS CONNECTION

DATE May 28, 1982

THIS IS TO NOTIFY THE OIL CONSERVATION COMMISSION THAT CONNECTION FOR THE PURCHASE OF  
GAS FROM THE Union Texas Petroleum Corporation  
OPERATOR

Culpepper Martin  
LEASE

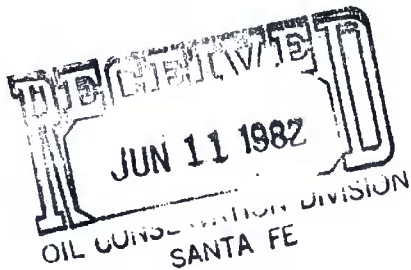
1-A (G) 31-32N-12W  
WELL UNIT S - T - R

Blanco Mesaverde  
POOL

Southern Union Gathering Company  
NAME OF PURCHASER

WAS MADE ON 5-26-82 , FIRST DELIVERY 5-26-82  
DATE DATE

3044  
INITIAL POTENTIAL



Southern Union Gathering Company  
PURCHASER

J. R. Large  
REPRESENTATIVE  
James R. Large  
Dispatch Manager  
TITLE

/sw

cc: OPERATOR

New Mexico Oil Conservation Commission - Aztec  
U. S. Geological Survey  
Mr. E. R. Corliss, Engineering  
Mr. R. J. McCrary, Prorations  
Mr. Robert Utay, Gas Accting.  
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Mr. Mike Lambert, Gas Supply  
Mr. Richard Thomas, Gas Supply  
Mr. Perry McFarland, Kutz  
File



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# NEW MEXICO OIL CONSERVATION COMMISSION

Form C-103  
Supersedes Old  
C-102 and C-103  
Effective 1-1-65

MAY 26 1982

5a. Indicate Type of Lease State <input type="checkbox"/> Fee <input checked="" type="checkbox"/>
5. State Oil & Gas Lease No.
7. Unit Agreement Name
8. Farm or Lease Name Culpepper Martin
9. Well No. 1A
10. Field and Pool, or Wildcat Blanco MV & Bsn Dakota
12. County San Juan

## SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT -" (FORM C-101) FOR SUCH PROPOSALS.)

OIL WELL <input type="checkbox"/>	GAS WELL <input checked="" type="checkbox"/>	OTHER <input type="checkbox"/>
1. Name of Operator Union Texas Petroleum Corporation		
2. Address of Operator 1860 Lincoln Street, Suite 1010, Denver, Colorado 80295		
3. Location of Well UNIT LETTER <u>G</u> . <u>1850</u> FEET FROM THE <u>North</u> LINE AND <u>1850</u> FEET FROM THE <u>East</u> LINE, SECTION <u>31</u> TOWNSHIP <u>32N</u> RANGE <u>12W</u> NMPM.		

15. Elevation (Show whether DF, RT, GR, etc.)

5842' GL

## Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

### NOTICE OF INTENTION TO:

### SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input checked="" type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOBS <input checked="" type="checkbox"/>	OTHER <input type="checkbox"/>

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

This well was spudded 8/8/1981. A 13-1/2" hole was drilled with water to 376'. New 10-3/4", 40.5#, K-55 casing was set at 376' and cemented with 250 sacks. After waiting on cement for 12 hours, this casing was tested to 500# and held ok. A 9-7/8" hole was drilled with water and mud to 4420'. New 7-5/8", 26.4#, K-55 casing was set at 4415' and cemented with 1200 sacks. After waiting on cement for 12 hours, the casing was tested to 1000# and held ok. A 6-3/4" hole was drilled with natural gas to 7100'. A new 5-1/2", 15.5#, K-55 liner was set at 7098' with the top at 4250' and cemented with 300 sacks. Prior to drilling out for completion, the 5-1/2" liner and the 7-5/8" casing was tested to 3500# and held ok. Completion will be made in the Mesaverde and Dakota.

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

SIGNED Thomas C. Belsha

TITLE Division Petroleum Engineer

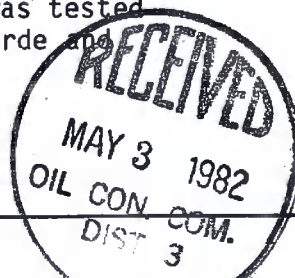
DATE April 27, 1982

APPROVED BY Frank J. Chazy  
CONDITIONS OF APPROVAL, IF ANY:

SUPERVISOR DISTRICT # 3

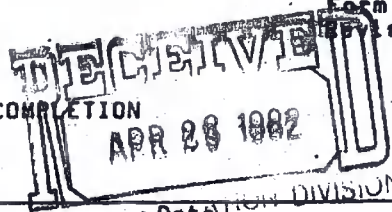
TITLE \_\_\_\_\_

DATE \_\_\_\_\_



MAY 3 1982

APPLICATION FOR MULTIPLE COMPLETION



Operator UNION TEXAS PETROLEUM CORPORATION		County San Juan	Date SANTA FE April 1, 1982
Address 1860 Lincoln Street, Ste 1010, Denver, CO 80295		Lease Culpepper Martin	Well No. #1A
Location of Well G	Unit 31	Township 32N	Range 12W

All Applicants for multiple completion must complete Items 1 and 2 below.

1. The following facts are submitted:	Upper Zone	Intermediate Zone	Lower Zone
a. Name of Pool and Formation	Blanco Mesaverde		Basin Dakota
b. Top and Bottom of Pay Section (Perforations)	4213-4808'		6752-6992'
c. Type of production (Oil or Gas)	Gas		Gas
d. Method of Production (Flowing or Artificial Lift)	Flowing		Flowing
e. Daily Production <input checked="" type="checkbox"/> Actual <input type="checkbox"/> Estimated Oil Bbls. Gas MCF Water Bbls.	Initial Potential  BOPD - trace MCFPD - 3044 BWPD - trace		Initial Potential  BOPD - trace MCFPD - 5950 BWPD - trace

2. The following must be attached:

- Diagrammatic Sketch of the Multiple Completion, showing all casing strings, including diameters and setting depths, centralizers and/or turbolizers and location thereof, quantities used and top of cement, perforated intervals, tubing strings, including diameters and setting depth, location and type of packers and side door chokes, and such other information as may be pertinent.
- Plat showing the location of all wells on applicant's lease, all offset wells on offset leases, and the names and addresses of operators of all leases offsetting applicant's lease.
- Electrical log of the well or other acceptable log with tops and bottoms of producing zones and intervals of perforation indicated thereon. (If such log is not available at the time application is filed it shall be submitted as provided by Rule 112-A.)

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

Signed Thomas C. Bell Title Division Petroleum Engr. Date April 1, 1982

(This space for State Use)

Approved By Sub 100 Title SUPERVISOR DISTRICT #3 Date APR 7 1982

NOTE: If the proposed multiple completion will result in an unorthodox well location and/or a non-standard proration unit in one or more of the producing zones, then separate application for approval of the same should be filed simultaneously with this application.



OIL CONSERVATION DIVISION  
P. O. BOX 2088  
SANTA FE, NEW MEXICO 87501Form C-104  
Revised 10-1-78

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REQUEST FOR ALLOWABLE  
AND  
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Operator UNION TEXAS PETROLEUM CORPORATION	
Address 1860 Lincoln Street, Suite 1010, Denver, Colorado 80295	
Reason(s) for filing (Check proper box)	Other (Please explain)
New Well <input checked="" type="checkbox"/>	Change in Transporter of:
Recompletion <input type="checkbox"/>	Oil <input type="checkbox"/> Dry Gas <input type="checkbox"/>
Change in Ownership <input type="checkbox"/>	Casinghead Gas <input type="checkbox"/> Condensate <input type="checkbox"/>
If change of ownership give name and address of previous owner	



MAY 26 1982

## I. DESCRIPTION OF WELL AND LEASE

Lease Name Culpepper Martin	Well No. 1A	Pool Name, Including Formation Blanco Mesaverde	Kind of Lease State, Federal or Fee	Lease No. Fee
Location				
Unit Letter <u>G</u> : <u>1850</u> Feet From The <u>East</u> Line and <u>1850</u> Feet From The <u>North</u>				
Line of Section <u>31</u> Township <u>32N</u> Range <u>12W</u> , NMPM, <u>San Juan</u> County				

## I. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
Plateau, Inc.	POB 159, Sullivan Rd., Littlefield, NM 87413
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
Southern Union Gathering Company	POB 3308, Albuquerque, NM 87190
If well produces oil or liquids, give location of tanks.	Unit Sec. Twp. Rge.
	<u>G</u> <u>31</u> <u>32N</u> <u>12W</u>
Is gas actually connected?	When
No	

If this production is commingled with that from any other lease or pool, give commingling order number:

## V. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v.	Diff. Res'v.
		X	X					
Date Spudded 8/8/81	Date Compl. Ready to Prod. 1/29/82	Total Depth 7100'	P.B.T.D. 7055'					
Elevations (DF, RKB, RT, GR, etc.) 5842' GL	Name of Producing Formation Point Lookout (Mesaverde)	Top Oil/Gas Pay 4028'	Tubing Depth 4150'					
Perforations 4213-41, 4554-93, 4601-92, 4729-93, 4801-08			Depth Casing Shoe 7098'					
TUBING, CASING, AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT					
13-1/2"	10-3/4" csg	376'	250					
9-7/8"	7-5/8" csg	4415'	1200					
6-3/4"	5-1/2" liner	4250-7098'	300					
---	2-3/8" tbh	4150'	---					

## V. TEST DATA AND REQUEST FOR ALLOWABLE OIL WELL

(Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

Date First New Oil Run To Tanks	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil - Bbls.	Water - Bbls.	Gas - MCF

## GAS WELL

Actual Prod. Test - MCF/D 3044	Length of Test 3 hrs	Bbls. Condensate/MMCF ---	Gravity of Condensate ---
Testing Method (pilot, back pr.) back pressure	Tubing Pressure (shut-in) 901#	Casing Pressure (shut-in) 896#	Choke Size 3/4"

## I. CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Division Petroleum Engineer

March 11, 1982

(Date)

OIL CONSERVATION DIVISION

5-3-82 MAY 3 1982

APPROVED BY

TITLE SUPERVISOR DISTRICT 3

This form is to be filed in compliance with RULE 1104.

If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.

All sections of this form must be filled out completely for allowable on new and recompleted wells.

Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transporter, or other such change of condition.

Separate Forms C-104 must be filed for each pool in multiply completed wells.



OIL CONSERVATION DIVISION  
P. O. BOX 2088  
SANTA FE, NEW MEXICO 87501Form C-104  
Revised 10-1-70

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OPERATOR	
PRODUCTION OFFICE	

REQUEST FOR ALLOWABLE  
AND  
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

MAR 31 1982

SANTA FE

OPERATOR  
UNION TEXAS PETROLEUM CORPORATIONAddress  
1860 Lincoln Street, Suite 1010, Denver, Colorado 80295

Reason(s) for filing (Check proper box)

New Well	<input checked="" type="checkbox"/>	Change in Transporter of:	
Recompletion	<input type="checkbox"/>	Oil	<input type="checkbox"/>
Change in Ownership	<input type="checkbox"/>	Casinghead Gas	<input type="checkbox"/>
		Dry Gas	<input type="checkbox"/>
		Condensate	<input type="checkbox"/>

Other (Please explain)

If change of ownership give name  
and address of previous owner

## DESCRIPTION OF WELL AND LEASE

Lease Name	Well No.	Pool Name, including Formation	Kind of Lease	Lease No.
Culpepper Martin	1A	Basin Dakota	State, Federal or Fee Fee	
Location				
Unit Letter	G	1850 Feet From The East Line and 1850 Feet From The North		
Line of Section	31	Township 32N	Range 12W	NMPM, San Juan County

## DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
Plateau, Inc.	POB 159, Sullivan Rd, Littlefield, NM 87413
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
Southern Union Gathering Company	POB 3308, Albuquerque, NM 87190
If well produces oil or liquids, give location of tanks.	Unit Sec. Twp. Rge. Is gas actually connected? When
	G 31 32N 12W No

If this production is commingled with that from any other lease or pool, give commingling order number:

## COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v.	Diff. Res'v.
		X	X					
Date Spudded	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.					
8/8/81	1/29/82	7100'	7055'					
Elevations (DF, RKB, RT, GR, etc.)	Name of Producing Formation	Top Oil/Gas Pay	Tubing Depth					
5842' GL	Dakota	6752'	6800'					
Perforations			Depth Casing Shoe					
6752-6781, 6829-6895, 6900-6931, 6984-6992'			7098'					

## TUBING, CASING, AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT
13-1/2"	10-3/4" csg	376'	250
9-7/8"	7-5/8" csg	4415'	1200
6-3/4"	5-1/2" liner	4250-7098'	300
---	2-3/8" tbg	6800'	---

## TEST DATA AND REQUEST FOR ALLOWABLE OIL WELL (Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

Date First New Oil Run-To Tanks	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil-Bbls.	Water-Bbls.	Gas-MCF
333			

## GAS WELL

Actual Prod. Test-MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
5950	3 hrs	---	---
Testing Method (pilot, back pr.)	Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)	Choke Size
back pressure	1704#	---	3/4"

## CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Thomas C. Belsha

(Signature)

Division Petroleum Engineer

(Title)

March 11, 1982

(Date)

## OIL CONSERVATION DIVISION

3-12-82  
APPROVED

MAR 22 1982

BY

SUPERVISOR DISTRICT #3

TITLE

This form is to be filed in compliance with RULE 1104.

If this is a request for allowable for a newly drilled or deepen well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.

All sections of this form must be filled out completely for allowable on new and recompleted wells.

Fill out only Sections I, II, III, and VI for changes of owner well name or number, or transporter, or other such change of condition. Form C-104 must be filed for each pool in multiple.

**P. O. BOX 2088**

SANTA FE, NEW MEXICO 87501

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LAND OFFICE		
OPERATOR		

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

REPORT AND LOG

**RECEIVED**

**MAR 22 1982**

**OIL CON. COM.**

**DIST. 3**

5a. Indicate Type of Lease	
State <input type="checkbox"/>	Fee <input checked="" type="checkbox"/>
5. State Oil & Gas Lease No.	
7. Unit Agreement Name	
8. Farm or Lease Name	
Culpepper Martin	
9. Well No.	
1A	
10. Field and Pool, or Wildcat	
Blanco Mesaverde &	
Basin Dakota Fields	
12. County	
San Juan	

9. TYPE OF WELL

#### b. TYPE OF COMPLETION

Name of Operator

Union Texas Petroleum Corporation

Address of Operator

1860 Lincoln Street, Suite 1010, Denver, Colorado 80295

Location of Well

MY LETTER G LOCATED 1850 FEET FROM THE East LINE AND 1850 FEET FROM

NE North LINE OF SEC. 31 TWP. 32N RGE. 12W

5. Date Spudded	16. Date T.D. Reached	17. Date Compl. (Ready to Prod.)	18. Elevations (DF, RKB, RT, GR, etc.)	19. Elev. Casinghead
8/8/1981	8/25/1981	1/29/1982	5842' GL	

20. Total Depth	21. Plug Back T.D.	22. If Multiple Compl., How Many	23. Intervals Drilled By Rotary Tools	Cable Tools
7100'	7055'	2	Surface - TD	

4. Producing Interval(s), of this completion - Top, Bottom, Name

4213-4808 Mesaverde  
6752-6992 Dakota

25. Was Directional Survey Made	No
---------------------------------	----

### 6. Type Electric and Other Logs Run

DIL/FDC/CNL/GR Cyberlook

27. Was Well Cored	No
--------------------	----

8. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
10-3/4"	40.5#	376'	13-1/2"	250 sacks	None
7-5/8"	26.4#	4415	9-7/8"	1200 sacks	None

9. LINER RECORD

30. TUBING RECORD

SIZE	TOP	BOTTOM	SACKS PER CWT	SCREEN	SIZE	DEPTH SET	PACKER SET
5-1/2"	4250'	7098'	300		2-3/8"	4150'	---
					2-3/8"	6800'	4830'

1. Perforation Record (Interval, size and number)  
 Mesaverde: 4213-19, 29-41, 4554, 58, 70-83, 90,  
 93, 4601-11, 35-38, 41-44, 88-92, 4729-31, 44,  
 78-80, 93, 4801-03, 06-08--0.40", 110 shots  
 Dakota: 6752, 55, 58, 81, 6829, 32, 35, 38, 41  
 51, 54, 68, 6984-92--0.4", 76 shots

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
4213'-4241'	78582 gals slick KCL & 66000# sd
4554'-4808'	13652 gals slick KCL & 98352# sd
6752'-6992'	140000 gals gelled wtr, 250000#sd & 400 SCF/BBL CO <sub>2</sub>

3. PRODUCTION

late First Production

Production Method (Flowing, gas lift, pumping – Size and type pump)

Well Status (Prod. or Shut-in)

waiting on pipeline

## Flowing

waiting on pipeline

2/17/82	Hours Tested 3	Choke Size 3/4"	Prod'n. For Test Period	Oil - Bbl. 0	Gas - MCF 380	Water - Bbl. 0	Gas-Oil Ratio ***
2/25/82	3	3/4"		0	744	0	***
238	Casing Pressure 670	Calculated 24-Hour Rate	Oil - Bbl. 0	Gas - MCF 3044	Water - Bbl. 0	Oil Gravity - API (Corr.) ***	
165			0	5950	0	***	

4. Disposition of Gas (Sold, used for fuel, vented, etc.)

Test Witnessed By  
Joe Elledge

### 5. List of Attachments

Forms C-107, C-104 (2), C-122 (2), Packer Leakage Test, Deviation Affidavit, Diagrammatic Sketch

6. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.

**SIGNED**

**TITLE**

Division Petroleum Engineer      March 17, 1982

DATE \_\_\_\_\_

## INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 30 through 34 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

## INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

## Southeastern New Mexico

## Northwestern New Mexico

T. Anhy _____	T. Canyon _____	T. Ojo Alamo _____ 1367	T. Penn. "B" _____
T. Salt _____	T. Strawn _____	T. Kirtland-Fruitland _____ 1390	T. Penn. "C" _____
B. Salt _____	T. Atoka _____	T. Pictured Cliffs _____ 2169	T. Penn. "D" _____
T. Yates _____	T. Miss _____	T. Cliff House _____ 3747	T. Leadville _____
T. 7 Rivers _____	T. Devonian _____	T. Menefee _____ 4002	T. Madison _____
T. Queen _____	T. Silurian _____	T. Point Lookout _____ 4550	T. Elbert _____
T. Grayburg _____	T. Montoya _____	T. Mancos _____ 4811	T. McCracken _____
T. San Andres _____	T. Simpson _____	T. Gallup _____ 5898	T. Ignacio Qtzte _____
T. Glorieta _____	T. McKee _____	Base Greenhorn _____ 6687	T. Granite _____
T. Paddock _____	T. Ellenburger _____	T. Dakota _____ 6827	T. _____
T. Blinbry _____	T. Gr. Wash _____	T. Morrison _____	T. _____
T. Tubb _____	T. Granite _____	T. Todilto _____	T. _____
T. Drinkard _____	T. Delaware Sand _____	T. Entrada _____	T. _____
T. Abo _____	T. Bone Springs _____	T. Wingate _____	T. _____
T. Wolfcamp _____	T. _____	T. Chinle _____	T. _____
T. Penn. _____	T. _____	T. Permian _____	T. _____
T. Cisco (Bough C) _____	T. _____	T. Penn. "A" _____	T. _____

No. 1, from _____ 4213	to _____ 4808	OIL OR GAS	SANDS OR ZONES	No. 4, from _____	to _____
No. 2, from _____ 6752	to _____ 6992	gas		No. 5, from _____	to _____
No. 3, from _____	to _____			No. 6, from _____	to _____

## IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from _____	to _____	feet. _____
No. 2, from _____	to _____	feet. _____
No. 3, from _____	to _____	feet. _____
No. 4, from _____	to _____	feet. _____

## FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
2169	2307	138	Pictured Cliffs				
2307	3747	1440	Lewis				
3747	4002	255	Cliffhouse				
4002	4550	548	Menefee				
4550	4811	261	Pt. Lookout				
4811	6621	1810	Mancos				
6621	6687	66	Greenhorn				
6687	6748	61	Graneros Shale				
6748	6827	79	Graneros Sand				
6827	7100	273	Dakota				



MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS

**RECEIVED**  
**MAR 22 1982**  
**OIL CON. COM.**  
**DIST. 3**

Type Test <input checked="" type="checkbox"/> Initial <input type="checkbox"/> Annual <input type="checkbox"/> Special		Test Date 2-25-82	
Company Union Texas Petroleum Corp.		Connection Gas Co. of New Mexico	
Pool Basin		Formation Dakota	
Completion Date 1-29-82	Total Depth 7100'	Plug Back TD 7055	Elevation
Farm or Lease Name Culpepper Martin		Well No. 1A	
Csg. Size 7.625	Wt. 26.4#	d 6.969	Set At 4415'
Perforations: From 6752	To 6992	Well No.	
Perforations: From open	To ended	Unit G	Sec. 31
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Gas/Gas Dual		Packer Set At 4845	County San Juan
Producing Thru Tubing	Reservoir Temp. °F 8	Mean Annual Temp. °F	Baro. Press. - P <sub>a</sub> 12 psia
State New Mexico		Meter Run Taps	
L	H	G <sub>g</sub> .650	% CO <sub>2</sub> % N <sub>2</sub> % H <sub>2</sub> S

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. hw	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	
SI	26 days						1704			
1.	2 inch	.750	465				465	60°		
2.										
3.										
4.										
5.										

**MAR 31 1982**

OIL CONSERVATION DIV. RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P <sub>m</sub>	Flow Temp. Factor Ft.	Gravity Factor F <sub>g</sub>	Super Compress. Factor, F <sub>pv</sub>	Rate of Flow Q, Mcfd
1	12.3650		477	1.000	.9608	1.050	5950
2.							
3.							
4.							
5.							

NO.	R	Temp. °R	T <sub>r</sub>	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons	Deg.
2.					Specific Gravity Separator Gas	XXXXXXXXXX
3.					Specific Gravity Flowing Fluid	XXXXXX
4.					Critical Pressure	P.S.I.A.
5.					Critical Temperature	R

NO.	P <sub>i</sub> <sup>2</sup>	P <sub>w</sub>	P <sub>w</sub> <sup>2</sup>	P <sub>c</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup>	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.08408$	(2) $\left[ \frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.06241$
1						
2						
3						
4		478	228390	2716266		
5		calculated				

AOF = Q  $\left[ \frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 6321$

Absolute Open Flow	6321	Mcf/d @ 15.025	Angle of Slope $\phi$	Slope, n .75
--------------------	------	----------------	-----------------------	--------------

Remarks: Show of oil and water throughout test. Well flared for 3 hours.

Approved By Division	Conducted By: Joe Elledge	Calculated By: Joe Elledge	Checked By: Mr. Don Wells
----------------------	------------------------------	-------------------------------	------------------------------

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test <input checked="" type="checkbox"/> Initial <input type="checkbox"/> Annual <input type="checkbox"/> Special				Test Date 2-25-82	
Company Union Texas Petroleum Corp.			Connection Gas Co. of New Mexico		
Pool Basin			Formation Dakota		
Completion Date 1-29-82		Total Depth 7100'		Plug Back TD 7055	
				Elevation	
Farm or Lease Name Culpepper Martin					
Well No. 1A					
Csg. Size 7.625		Wt. 26.4#		Perforations: From 6752 To 6992	
5.500		15.5#		4.950	
2.375		4.7		1.995	
				6956	
Type Well - Single - Brdenhead - G.G. or G.O. Multiple Gas/Gas Dual				Packer Set At 4845	
Producing Thru Tubing		Reservoir Temp. °F		Mean Annual Temp. °F	
				Baro. Press. - P <sub>a</sub> 12 psia	
L		H		Cg	
				.650	
				% CO <sub>2</sub>	
				% N <sub>2</sub>	
				% H <sub>2</sub> S	
				Prover	
				Meter Run	
				Taps	

FLOW DATA							TUBING DATA		CASING DATA		Duration of Flow
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h <sub>w</sub>	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	
SI	26 days						1704				
1.	2 inch	.750		465			465	60°			3 hours
2.											
3.											
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P <sub>m</sub>	Flow Temp. Factor F <sub>t</sub>	Gravity Factor F <sub>g</sub>	Super Compress. Factor, F <sub>pv</sub>	Rate of Flow Q, Mcfd
1	12.3650		477	1.000	.9608	1.050	5950
2.							
3.							
4.							
5.							

NO.	Temp. °R	T <sub>r</sub>	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
				A.P.I. Gravity of Liquid Hydrocarbons	Deg.
				Specific Gravity Separator Gas	
				Specific Gravity Flowing Fluid	
				Critical Pressure	P.S.I.A.
			Critical Temperature	R	

P <sub>c</sub> 1716	P <sub>c</sub> <sup>2</sup> 2,944,656		
NO.	P <sub>i</sub> <sup>2</sup>	P <sub>w</sub>	P <sub>w</sub> <sup>2</sup>
1			
2			
3			
4		478	228390
5		calculated	2716266

(1)  $\frac{P_c^2}{P_c^2 - P_w^2} = 1.08408$

AOF = Q  $\left[ \frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 6321$

(2)  $\left[ \frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.06241$

Absolute Open Flow	6321	Mcf @ 15.025	Angle of Slope θ	Slope, n .75
--------------------	------	--------------	------------------	--------------

Remarks: Show of oil and water throughout test. Well flared for 3 hours.

* Corrected County		Calculated By:	Checked By:
Approved By Division	Conducted By:	Joe Elledge	Mr. Don Wells



## MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS

Type Test <input checked="" type="checkbox"/> Initial <input type="checkbox"/> Annual <input type="checkbox"/> Special		Test Date 2-17-82	
Company Union Texas Petroleum Corp.		Connection Gas Company of New Mexico	
Pool Blanco		Formation Mesaverde	
Completion Date 1-29-82		Total Depth 7100'	
Plug Back TD 7055		Elevation	
Farm or Lease Name Culpepper Martin		Well No. 1-A	
Csg. Size 7.625		Wt. 26.4	
d 6.969		Set At 4415	
Perforations: From 4213 To 4808		Well No. 1-A	
Perforations: From open To ended		Unit Sec. Twp. Rge. G 31 32 12	
Type Well - Single - Brodenhead - G.G. or G.O. Multiple Gas/Gas Dual		Packer Set At 4845	
County San Juan		State New Mexico	
Producing Thru Tubing		Reservoir Temp. °F 8	
Mean Annual Temp. °F		Baro. Press. - P <sub>a</sub> 12 psia (Est.)	
L		H	
Cg		% CO <sub>2</sub>	
% N <sub>2</sub>		% H <sub>2</sub> S	
Prover		Meter Run	
Taps			
FLOW DATA			
NO.	Prover Line Size	X	Orifice Size
SI	19 days		
1.	2 inch	.750	238
2.			
3.			
4.			
5.			
TUBING DATA			
NO.	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.
1.	901		896
2.	238	60°	670
3.			
4.			
5.			
CASING DATA			
NO.	Press. p.s.i.g.	Temp. °F	Duration of Flow
1.			3 hours
2.			
3.			
4.			
5.			
RATE OF FLOW CALCULATIONS			
NO.	Coefficient (24 Hour)	Pressure P <sub>m</sub>	Flow Temp. Factor F <sub>t</sub>
1.	12.3650	250	1.000
2.			
3.			
4.			
5.			
NO.	R <sub>t</sub>	Temp. °R	T <sub>r</sub>
1.			
2.			
3.			
4.			
5.			
Gas Liquid Hydrocarbon Ratio _____ Mcl/bbl.			
A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.			
Specific Gravity Separator Gas _____			
Specific Gravity Flowing Fluid _____			
Critical Pressure _____ P.S.I.A.			
Critical Temperature _____ R			
P <sub>c</sub> 913 P <sub>c</sub> 833569			
NO.	P <sub>t</sub> <sup>2</sup>	P <sub>w</sub> <sup>2</sup>	P <sub>w</sub> <sup>2</sup>
1.		682	465124
2.			
3.			
4.			
5.			
(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.26239$			
(2) $\left[ \frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.84469$			
AOF = Q $\left[ \frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 5615$			
Absolute Open Flow 5615 Mcl @ 15.025 Angle of Slope 0 Slope, n .75			
Remarks: Show of condensate throughout test with surges of water every 20 minutes. Well would flare.			
Approved By Division		Conducted By: Joe Elledge	Calculated By: Joe Elledge
		Checked By: Mr. Don Wells	

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LAND OFFICE	
OPERATOR	

NEW MEXICO OIL CONSERVATION COMMISSION  
**APPROVAL VALID**  
**FOR 90-DAYS UNLESS**  
**DRILLING COMMENCED,**

**EXPIRES** 1-13-82

30-045-25112  
 Form C-101  
 Revised 1-1-65

5A. Indicate Type of Lease
STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>

5. State Oil & Gas Lease No.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

a. Type of Work

DRILL ☒

DEEPEN ☐

b. Type of Well

OIL WELL ☐

GAS WELL ☒

OTHER ☐

SINGLE ZONE ☐

MULTIPLE ZONE ☒

c. Name of Operator

Union Texas Petroleum Corporation

d. Address of Operator

1860 Lincoln Street, Suite 1010, Denver, Colorado 80295

e. Location of Well

UNIT LETTER G LOCATED 1850' FEET FROM THE East LINE

AND 1850' FEET FROM THE North LINE OF SEC. 31 TWP. 32N RGE. 12W NMPM

7. Unit Agreement Name

8. Farm or Lease Name

Culpepper-Martin

9. Well No.

1-A

10. Field and Pool, or Wildcat

Blanco Mesv & Basin Dakota

12. County

San Juan

19. Proposed Depth	19A. Formation	20. Rotary or C.T.
7200'	Dakota	Rotary
21. Elevations (Show whether DF, RT, etc.)	21A. Kind & Status Plug. Bond	21B. Drilling Contractor
5842' GL		Not yet contracted
		22. Approx. Date Work will start
		9/1/81

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
13-1/2"	10-3/4"	40.5#	500' 300	300 sx	Surf
9-7/8"	7-5/8"	26.4#	4000'	860 sx	Surf
6-3/4"	5-1/2" liner	15.5#	7200'	250 sx	3,800' (TOL)
(est TOL 3800')					

1. Drill 13-1/2" hole to 500' with water.
2. Set 10-3/4", 40.5#, J-55 casing at 500' & cement with sufficient cement to circulate to surface (approximately 300 sx).
3. Install BOP's and inspect daily.
4. Drill 9-7/8" hole to approximately 4000' with water, mudding up when necessary. Log back to surface casing.
5. Set 7-5/8", 26.4#, J-55 casing at 4000' and cement with sufficient cement to circulate to surface. (approximately 860 sx).
6. Drill 6-3/4" hole through the Dakota to approximately 7200' with natural gas. Log back to intermediate casing.
7. If found commercially productive, set 5-1/2", 15.5#, J-55 liner from TD to approximately 3800' and cement back to top of liner (approximately 250 sx).
8. Based on log analysis, perforate and complete in Mesaverde & Dakota zones with a packer between the zones.
9. Install production equipment & clean up well site.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

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

Signed Glenn C. Belcher Title District Petroleum Engineer Date July 6, 1981

(This space for State Use)

APPROVED BY

Frank J. Long

CONDITIONS OF APPROVAL, IF ANY:

OIL CONSERVATION DIVISION  
 SANTA FE

RECEIVED  
 JUL 23 1981  
 SUPERVISOR DISTRICT 7  
 OIL CONSERVATION DIVISION  
 SANTA FE

JUL 13 1981

## OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form C-107  
Revised 10-1-78STATE OF NEW MEXICO  
OIL AND MINERALS DEPARTMENT

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

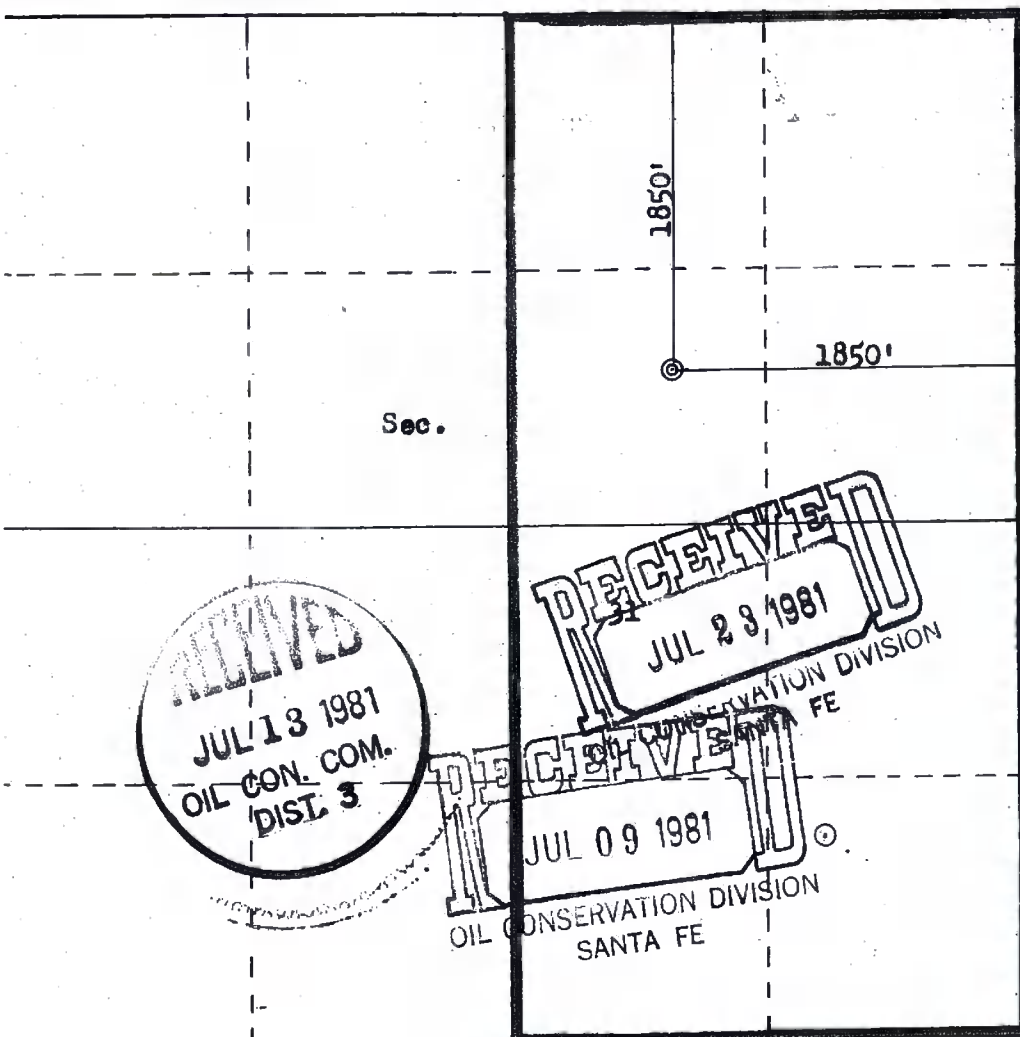
Operator <b>UNION TEXAS PETROLEUM COMPANY</b>		Lease <b>CUEPEPPER-MARTIN</b>		Well No. <b>1A</b>
Unit Letter <b>0</b>	Section <b>31</b>	Township <b>32N</b>	Range <b>12W</b>	County <b>San Juan</b>
Actual Footage Location of Well:				
<b>1850</b>	feet from the <b>North</b>	line and	<b>1850</b>	feet from the <b>East</b> line
Ground Level Elev: <b>5842</b>	Producing Formation	Pool	Dedicated Acreage: <b>320</b> Acres	

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 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 Thomas C. Polka  
Position District Petroleum Engineer  
Company Union Texas Petroleum Corp.  
Date July 6, 1981

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 June 26, 1981  
Registered Professional Engineer and Land Surveyor  
Fred B. Kerr, Jr.  
Certificate No. KERR, JR.  
3950



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

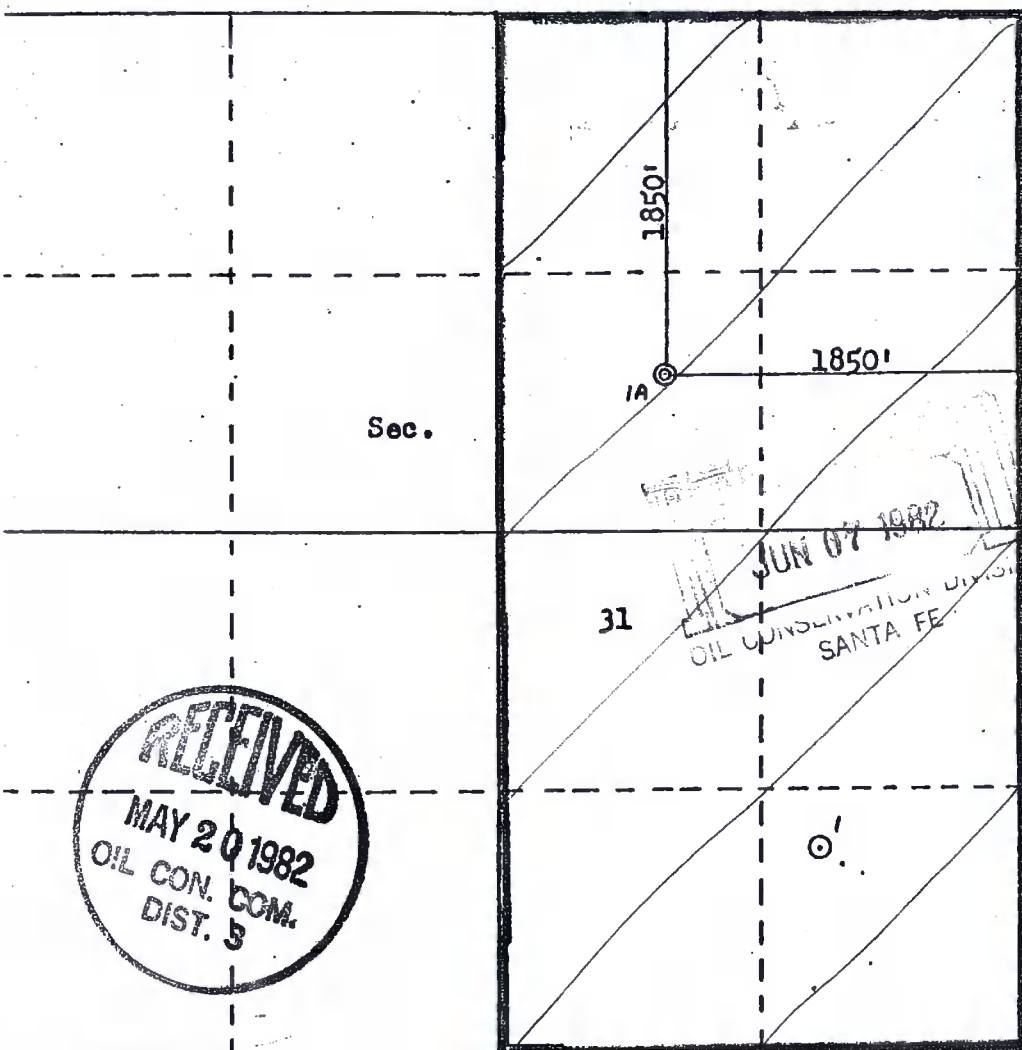
Operator <b>UNION TEXAS PETROLEUM COMPANY</b>		Lease <b>CULPEPPER-MARTIN</b>		Well No. <b>1A</b>
Section <b>31</b>	Township <b>32N</b>	Range <b>12W</b>	County <b>San Juan</b>	
Actual Footage Location of Well				
<b>1850</b>	feet from the North	line and	<b>1850</b>	feet from the East
Ground Level Elev: <b>5842</b>	Producing Formation <b>Mesaverde, Dakota</b>	Pool <b>Blanco Mesaverde, Basin Dakota</b>	Dedicated Acreage: <b>E 320</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 Thomas C. Balla  
Position District Petroleum Engineer  
Company Union Texas Petroleum Corp.  
Date July 6, 1981

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 June 16, 1981  
Registered Professional Engineer and Land Surveyor Fred B. Kerr, Jr.  
Certificate No. 3950

Scale: 1"=1000'

APR 30-045-25112  
ISSUE: A07/86  
CARD: 1+

API: 30-045-25112  
ISSUE: A07/86  
CARD: 2



CMD :  
OG5SECT

ONGARD  
INQUIRE LAND BY SECTION

11/22/02 08:32:17  
OGOMES -TPEG  
PAGE NO: 2

Sec : 31 Twp : 32N Rng : 12W Section Type : NORMAL

3 37.56  Fee owned	K 40.00  Fee owned	J 40.00  Fee owned	I 40.00  Fee owned
4 37.59  Fee owned  A	N 40.00  Fee owned  A	O 40.00  Fee owned	P 40.00  Fee owned  A

PF01 HELP  
PF07 BKWD

PF02  
PF08 FWD

PF03 EXIT  
PF09 PRINT

PF04 GoTo  
PF10 SDIV

PF05  
PF11

PF06  
PF12

CMD :  
OG5SECT

ONGARD  
INQUIRE LAND BY SECTION

11/22/02 14:06:20  
OGOMES -TPEG  
PAGE NO: 1

Sec : 31 Twp : 32N Rng : 12W Section Type : NORMAL

1 37.51	C 40.00	B 40.00	A 40.00
Fee owned	Fee owned	Fee owned	Fee owned
2 37.54	F 40.00	G 40.00	H 40.00
Fee owned	Fee owned	Fee owned	Fee owned
	A	A A	

M0002: This is the first page

PF01 HELP    PF02    PF03 EXIT    PF04 GoTo    PF05    PF06  
PF07 BKWD    PF08 FWD    PF09 PRINT    PF10 SDIV    PF11    PF12

CMD :  
OG6IWCM

ONGARD  
INQUIRE WELL COMPLETIONS

11/22/02 14:06:54  
OGOMES -TPEG

API Well No : 30 45 25112 Eff Date : 05-01-1982 WC Status : A  
Pool Idn : 71599 BASIN DAKOTA (PRORATED GAS)  
OGRID Idn : 14538 BURLINGTON RESOURCES OIL & GAS CO  
Prop Idn : 6935 CULPEPPER MARTIN

Well No : 001A  
GL Elevation: 5842

	U/L	Sec	Township	Range	North/South	East/West	Prop/Act (P/A)
B.H. Locn	: G	31	32N	12W	FTG 1850 F N	FTG 1850 F E	P
Lot Identifier:							
Dedicated Acre:							320.00
Lease Type							: P
Type of consolidation							(Comm, Unit, Forced Pooling - C/U/F/O) :

M0025: Enter PF keys to scroll

PF01 HELP	PF02	PF03 EXIT	PF04 GoTo	PF05	PF06
PF07	PF08	PF09	PF10 NEXT-WC	PF11 HISTORY	PF12 NXTREC

CMD : ONGARD 11/22/02 14:06:58  
OG6ACRE C102-DEDICATE ACREAGE OGOMES -TPEG  
Page No : 1

API Well No : 30 45 25112 Eff Date : 04-30-1991  
Pool Idn : 71599 BASIN DAKOTA (PRORATED GAS)  
Prop Idn : 6935 CULPEPPER MARTIN Well No : 001A  
Spacing Unit : 32345 OCD Order : Simultaneous Dedication:  
Sect/Twp/Rng : 31 32N 12W Acreage : 320.00 Revised C102? (Y/N) :  
Dedicated Land:

S	Base	U/L	Sec	Twp	Rng	Acreage	L/W	Ownership	Lot	Idn
	A	31		32N	12W	40.00	N	FE		
	B	31		32N	12W	40.00	N	FE		
	G	31		32N	12W	40.00	N	FE		
	H	31		32N	12W	40.00	N	FE		
	I	31		32N	12W	40.00	N	FE		
	J	31		32N	12W	40.00	N	FE		
	O	31		32N	12W	40.00	N	FE		
	P	31		32N	12W	40.00	N	FE		

E0005: Enter data to modify or PF keys to scroll

PF01 HELP PF02 PF03 EXIT PF04 GoTo PF05 PF06 CONFIRM  
PF07 BKWD PF08 FWD PF09 PF10 LAND PF11 NXTSEC PF12 RECONF

CMD : ONGARD 11/22/02 14:07:06  
 OG6IPRD INQUIRE PRODUCTION BY POOL/WELL OGOMES -TPEG  
 Page No: 1

OGRID Identifier : 14538 BURLINGTON RESOURCES OIL & GAS CO  
 Pool Identifier : 71599 BASIN DAKOTA (PRORATED GAS)  
 API Well No : 30 45 25112 Report Period - From : 01 2000 To : 10 2002

API Well No	Property Name	Prodn. Days MM/YY Prod	Production Volumes Gas Oil Water	Well Stat
30 45 25112	CULPEPPER MARTIN	01 00 31	537 11	F
30 45 25112	CULPEPPER MARTIN	02 00 29	737 8	F
30 45 25112	CULPEPPER MARTIN	03 00 31	870 14	F
30 45 25112	CULPEPPER MARTIN	04 00 30	882 20	F
30 45 25112	CULPEPPER MARTIN	05 00 31	1261 29	F
30 45 25112	CULPEPPER MARTIN	06 00 30	1653 7	F
30 45 25112	CULPEPPER MARTIN	07 00 31	1642 11	F

Reporting Period Total (Gas, Oil) :

M0025: Enter PF keys to scroll

PF01 HELP PF02 PF03 EXIT PF04 GoTo PF05 PF06 CONFIRM  
 PF07 BKWD PF08 FWD PF09 PF10 NXTPOOL PF11 NXTOGD PF12



CMD :  
OG6IPRDONGARD  
INQUIRE PRODUCTION BY POOL/WELL11/22/02 14:07:09  
OGOMES -TPEG  
Page No: 2

OGRID Identifier : 14538 BURLINGTON RESOURCES OIL &amp; GAS CO

Pool Identifier : 71599 BASIN DAKOTA (PRORATED GAS)

API Well No : 30 45 25112 Report Period - From : 01 2000 To : 10 2002

API Well No	Property Name	Prodn. MM/YY	Days Prod	Production Gas	Volumes Oil	Water	Well Stat
30 45 25112	CULPEPPER MARTIN	08 00	31	1446	26		F
30 45 25112	CULPEPPER MARTIN	09 00	30	1244	19		F
30 45 25112	CULPEPPER MARTIN	10 00	31	1720	4	3	F
30 45 25112	CULPEPPER MARTIN	11 00	30	1235	23		F
30 45 25112	CULPEPPER MARTIN	12 00	31	971	24		F
30 45 25112	CULPEPPER MARTIN	01 01	31	887	16		F
30 45 25112	CULPEPPER MARTIN	02 01	28	885	23		F

Reporting Period Total (Gas, Oil) :

E0049: User may continue scrolling.

PF01 HELP	PF02	PF03 EXIT	PF04 GoTo	PF05	PF06 CONFIRM
PF07 BKWD	PF08 FWD	PF09	PF10 NXTPool	PF11 NXTOGD	PF12

CMD :  
OG6IPRDONGARD  
INQUIRE PRODUCTION BY POOL/WELL11/22/02 14:07:10  
OGOMES -TPEG  
Page No: 3

OGRID Identifier : 14538 BURLINGTON RESOURCES OIL &amp; GAS CO

Pool Identifier : 71599 BASIN DAKOTA (PRORATED GAS)

API Well No : 30 45 25112 Report Period - From : 01 2000 To : 10 2002

API Well No	Property Name	Prodn. Days MM/YY Prod	Production Volumes Gas Oil Water	Well Stat
30 45 25112	CULPEPPER MARTIN	03 01 31	1045 12 8	F
30 45 25112	CULPEPPER MARTIN	04 01 30	907 23	F
30 45 25112	CULPEPPER MARTIN	05 01 31	1016 5 6	F
30 45 25112	CULPEPPER MARTIN	06 01 30	1969 2	F
30 45 25112	CULPEPPER MARTIN	07 01 31	1548	F
30 45 25112	CULPEPPER MARTIN	08 01 31	1464	F
30 45 25112	CULPEPPER MARTIN	09 01 30	1195	F

Reporting Period Total (Gas, Oil) :

E0049: User may continue scrolling.

PF01 HELP	PF02	PF03 EXIT	PF04 GoTo	PF05	PF06 CONFIRM
PF07 BKWD	PF08 FWD	PF09	PF10 NXTPOOL	PF11 NXTOGD	PF12

CMD :  
OG6IPRD

ONGARD  
INQUIRE PRODUCTION BY POOL/WELL

11/22/02 14:07:12  
OGOMES -TPEG  
Page No: 4

OGRID Identifier : 14538 BURLINGTON RESOURCES OIL & GAS CO  
Pool Identifier : 71599 BASIN DAKOTA (PRORATED GAS)  
API Well No : 30 45 25112 Report Period - From : 01 2000 To : 10 2002

API Well No	Property Name	Prodn. Days MM/YY Prod	Production Volumes Gas Oil Water	Well Stat
30 45 25112	CULPEPPER MARTIN	10 01 31	1225	F
30 45 25112	CULPEPPER MARTIN	11 01 30	1315	F
30 45 25112	CULPEPPER MARTIN	12 01 31	1288	F
30 45 25112	CULPEPPER MARTIN	01 02 31	985	F
30 45 25112	CULPEPPER MARTIN	02 02 28	663	F
30 45 25112	CULPEPPER MARTIN	03 02 31	1020	F
30 45 25112	CULPEPPER MARTIN	04 02 30	805	F

Reporting Period Total (Gas, Oil) :

E0049: User may continue scrolling.

PF01 HELP PF02 PF03 EXIT PF04 GoTo PF05 PF06 CONFIRM  
PF07 BKWD PF08 FWD PF09 PF10 NXTPOOL PF11 NXTOGD PF12

CMD :  
OG6IPRD

ONGARD  
INQUIRE PRODUCTION BY POOL/WELL

11/22/02 14:07:13  
OGOMES -TPEG  
Page No: 5

OGRID Identifier : 14538 BURLINGTON RESOURCES OIL & GAS CO

Pool Identifier : 71599 BASIN DAKOTA (PRORATED GAS)

API Well No : 30 45 25112 Report Period - From : 01 2000 To : 10 2002

API Well No	Property Name	Prodn. Days MM/YY Prod	Production Volumes Gas Oil Water	Well Stat
30 45 25112	CULPEPPER MARTIN	05 02 31	897	F
30 45 25112	CULPEPPER MARTIN	06 02 30	997	F
30 45 25112	CULPEPPER MARTIN	07 02 31	982	F
30 45 25112	CULPEPPER MARTIN	08 02 31	879	F

Reporting Period Total (Gas, Oil) : 36170 277 17

E0049: User may continue scrolling.

PF01 HELP PF02 PF03 EXIT PF04 GoTo PF05 PF06 CONFIRM  
PF07 BKWD PF08 FWD PF09 PF10 NXTPOOL PF11 NXTOGD PF12

CMD :  
OG6IWCM

ONGARD  
INQUIRE WELL COMPLETIONS

11/22/02 14:07:18  
OGOMES -TPEG

API Well No : 30 45 25112 Eff Date : 05-01-1982 WC Status : A  
Pool Idn : 72319 BLANCO-MESAVERDE (PRORATED GAS)  
OGRID Idn : 14538 BURLINGTON RESOURCES OIL & GAS CO  
Prop Idn : 6935 CULPEPPER MARTIN

Well No : 001A  
GL Elevation: 5842

	U/L	Sec	Township	Range	North/South	East/West	Prop/Act (P/A)
	---	---	---	---	---	---	---
B.H. Locn : G	31	32N	12W	FTG 1850	F N FTG 1850	F E	P

Lot Identifier:  
Dedicated Acre: 320.00  
Lease Type : P  
Type of consolidation (Comm, Unit, Forced Pooling - C/U/F/O) :

PF01 HELP	PF02	PF03 EXIT	PF04 GoTo	PF05	PF06
PF07	PF08	PF09	PF10 NEXT-WC	PF11 HISTORY	PF12 NXTREC



CMD : ONGARD 11/22/02 14:07:22  
 OG6ACRE C102-DEDICATE ACREAGE OGOMES -TPEG  
 Page No : 1

API Well No : 30 45 25112 Eff Date : 04-30-1991  
 Pool Idn : 72319 BLANCO-MESAVERDE (PRORATED GAS)  
 Prop Idn : 6935 CULPEPPER MARTIN Well No : 001A  
 Spacing Unit : 35172 OCD Order : Simultaneous Dedication:  
 Sect/Twp/Rng : 31 32N 12W Acreage : 320.00 Revised C102? (Y/N) :  
 Dedicated Land:

S	Base	U/L	Sec	Twp	Rng	Acreage	L/W	Ownership	Lot	Idn
A	31	32N	12W	40.00	N	FE				
B	31	32N	12W	40.00	N	FE				
G	31	32N	12W	40.00	N	FE				
H	31	32N	12W	40.00	N	FE				
I	31	32N	12W	40.00	N	FE				
J	31	32N	12W	40.00	N	FE				
O	31	32N	12W	40.00	N	FE				
P	31	32N	12W	40.00	N	FE				

E0005: Enter data to modify or PF keys to scroll

PF01 HELP PF02 PF03 EXIT PF04 GoTo PF05 PF06 CONFIRM  
 PF07 BKWD PF08 FWD PF09 PF10 LAND PF11 NXTSEC PF12 RECONF

CMD :  
OG6IPRDONGARD  
INQUIRE PRODUCTION BY POOL/WELL11/22/02 14:07:30  
OGOMES -TPEG  
Page No: 1

OGRID Identifier : 14538 BURLINGTON RESOURCES OIL &amp; GAS CO

Popl Identifier : 72319 BLANCO-MESAVERDE (PRORATED GAS)

API Well No : 30 45 25112 Report Period - From : 01 2000 To : 10 2002

API Well No	Property Name	Prodn. Days MM/YY Prod	Production Volumes Gas Oil Water	Well Stat
30 45 25112	CULPEPPER MARTIN	01 00 31	1905 11	F
30 45 25112	CULPEPPER MARTIN	02 00 29	2615 8	F
30 45 25112	CULPEPPER MARTIN	03 00 31	3086 14	F
30 45 25112	CULPEPPER MARTIN	04 00 30	3127 20	F
30 45 25112	CULPEPPER MARTIN	05 00 31	4471 29	F
30 45 25112	CULPEPPER MARTIN	06 00 30	5860 7	F
30 45 25112	CULPEPPER MARTIN	07 00 31	5829 11	F

Reporting Period Total (Gas, Oil) :

M0025: Enter PF keys to scroll

PF01 HELP	PF02	PF03 EXIT	PF04 GoTo	PF05	PF06 CONFIRM
PF07 BKWD	PF08 FWD	PF09	PF10 NXTPOOL	PF11 NXTOGD	PF12

CMD : ONGARD 11/22/02 14:07:33  
 OG6IPRD INQUIRE PRODUCTION BY POOL/WELL OGOMES -TPEG  
 Page No: 2

OGRID Identifier : 14538 BURLINGTON RESOURCES OIL & GAS CO  
 Pool Identifier : 72319 BLANCO-MESAVERDE (PRORATED GAS)  
 API Well No : 30 45 25112 Report Period - From : 01 2000 To : 10 2002

API Well No	Property Name	Prodn. Days MM/YY Prod	Production Volumes Gas Oil Water	Well Stat
30 45 25112	CULPEPPER MARTIN	08 00 31	5125 26	F
30 45 25112	CULPEPPER MARTIN	09 00 30	4410 19	F
30 45 25112	CULPEPPER MARTIN	10 00 31	6097 4 3	F
30 45 25112	CULPEPPER MARTIN	11 00 30	4380 23	F
30 45 25112	CULPEPPER MARTIN	12 00 31	3445 23	F
30 45 25112	CULPEPPER MARTIN	01 01 31	3146 16	F
30 45 25112	CULPEPPER MARTIN	02 01 28	3139 23	F

Reporting Period Total (Gas, Oil) :

E0049: User may continue scrolling.

PF01 HELP PF02 PF03 EXIT PF04 GoTo PF05 PF06 CONFIRM  
 PF07 BKWD PF08 FWD PF09 PF10 NXTPOOL PF11 NXTOGD PF12

CMD :  
OG6IPRD

ONGARD  
INQUIRE PRODUCTION BY POOL/WELL

11/22/02 14:07:36  
OGOMES -TPEG  
Page No: 3

OGRID Identifier : 14538 BURLINGTON RESOURCES OIL & GAS CO  
Pool Identifier : 72319 BLANCO-MESAVERDE (PRORATED GAS)  
API Well No : 30 45 25112 Report Period - From : 01 2000 To : 10 2002

API Well No	Property Name	Prodn. Days MM/YY Prod	Production Volumes Gas Oil Water	Well Stat
30 45 25112	CULPEPPER MARTIN	03 01 31	3704 12 8	F
30 45 25112	CULPEPPER MARTIN	04 01 30	3217 23	F
30 45 25112	CULPEPPER MARTIN	05 01 31	3604 5 6	F
30 45 25112	CULPEPPER MARTIN	06 01 30	6982 2	F
30 45 25112	CULPEPPER MARTIN	07 01 31	5488	F
30 45 25112	CULPEPPER MARTIN	08 01 31	5189	F
30 45 25112	CULPEPPER MARTIN	09 01 30	4237	F

Reporting Period Total (Gas, Oil) :

E0049: User may continue scrolling.

PF01 HELP PF02 PF03 EXIT PF04 GoTo PF05 PF06 CONFIRM  
PF07 BKWD PF08 FWD PF09 PF10 NXTPOOL PF11 NXTOGD PF12



CMD :  
OG6IPRDONGARD  
INQUIRE PRODUCTION BY POOL/WELL11/22/02 14:07:38  
OGOMES -TPEG  
Page No: 4

OGRID Identifier : 14538 BURLINGTON RESOURCES OIL &amp; GAS CO

Pool Identifier : 72319 BLANCO-MESAVERDE (PRORATED GAS)

API Well No : 30 45 25112 Report Period - From : 01 2000 To : 10 2002

API Well No	Property Name	Prod. Days MM/YY Prod	Production Volumes Gas Oil Water	Well Stat
30 45 25112	CULPEPPER MARTIN	10 01 31	4343	F
30 45 25112	CULPEPPER MARTIN	11 01 30	4661	F
30 45 25112	CULPEPPER MARTIN	12 01 31	4568	F
30 45 25112	CULPEPPER MARTIN	01 02 31	3492	F
30 45 25112	CULPEPPER MARTIN	02 02 28	2349	F
30 45 25112	CULPEPPER MARTIN	03 02 31	3615	F
30 45 25112	CULPEPPER MARTIN	04 02 30	2854	F

Reporting Period Total (Gas, Oil) :

E0049: User may continue scrolling.

PF01 HELP	PF02	PF03 EXIT	PF04 GoTo	PF05	PF06 CONFIRM
PF07 BKWD	PF08 FWD	PF09	PF10 NXTPOOL	PF11 NXTOGD	PF12

CMD :  
OG6IPRD

ONGARD  
INQUIRE PRODUCTION BY POOL/WELL

11/22/02 14:07:39  
OGOMES -TPEG  
Page No: 5

OGRID Identifier : 14538 BURLINGTON RESOURCES OIL & GAS CO  
Pool Identifier : 72319 BLANCO-MESAVERDE (PRORATED GAS)  
API Well No : 30 45 25112 Report Period - From : 01 2000 To : 10 2002

API Well No	Property Name	Prodn. Days MM/YY Prod	Production Volumes Gas Oil Water	Well Stat
30 45 25112	CULPEPPER MARTIN	05 02 31	3179	F
30 45 25112	CULPEPPER MARTIN	06 02 30	3536	F
30 45 25112	CULPEPPER MARTIN	07 02 31	3481	F
30 45 25112	CULPEPPER MARTIN	08 02 31	3115	F

Reporting Period Total (Gas, Oil) : 128249 276 17

E0049: User may continue scrolling.

PF01 HELP PF02 PF03 EXIT PF04 GoTo PF05 PF06 CONFIRM  
PF07 BKWD PF08 FWD PF09 PF10 NXTPOOL PF11 NXTOGD PF12