



NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

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

April 12, 1999

RECEIVED
APR 13 1999
OIL CON. DIV.
DIST. 3

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

Telefax No. (505) 326-9833

Administrative Order NSL-4253

Dear Ms. Bradfield:

Reference is made to your application submitted to the New Mexico Oil Conservation Division ("Division") on March 23, 1999 for Burlington Resources Oil & Gas Company ("Burlington") to drill its proposed Martin Well No. 5-R (API No. 30-045-29811) at an unorthodox Pictured Cliffs gas well location 965 feet from the North line and 1285 feet from the East line (Unit A) of Section 31, Township 28 North, Range 10 West, NMPM, San Juan County, New Mexico. The NE/4 of Section 31 is to be dedicated to the well in order to form a standard 160-acre gas spacing and proration unit for the Fulcher Kutz-Pictured Cliffs Pool.

This application has been duly filed under the provisions of Division Rule 104.F.

By the authority granted me under the provisions of Division Rule 104.F(2), the above-described unorthodox gas well location is hereby approved.

Sincerely,

Lori Wrotenbery
Director

LW/MES/kv

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

BURLINGTON RESOURCES

SAN JUAN DIVISION

Sent Federal Express

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

Re: Martin #5R
965'FNL, 1285'FEL Section 31, T-28-N, R-10-W, San Juan County
30-045-not assigned

Dear Mr. Stogner:

Burlington Resources is applying for administrative approval of an unorthodox gas well location for the Fulcher Kutz Pictured Cliffs pool. This location is due to the terrain, which is very steep clay hills and washes as shown on the topographic map, the presence of a pipeline across the northeast quarter of this section and the Martin #5 Pictured Cliffs well located at 990'FNL, 990'FEL in Section 31, which was plugged and abandoned December 1996.

Production from the Fulcher Kutz Pictured Cliffs pool is to be included in a standard 160 gas spacing and proration unit comprising the northeast quarter (NE/4) of Section 31.

The following attachments are for your review:

- Application for Permit to Drill.
- Completed C-102 at referenced location.
- Offset operators/owners plat
- 7.5 minute topographic map and pipeline map

Three copies of this application are being submitted to offset operators by certified mail with a request that they furnish you with a Waiver of Objection, keep one copy for their files and return one copy to this office. We appreciate your earliest consideration of this application.

Sincerely,


Peggy Bradfield

Regulatory/Compliance Administrator

xc: NMOCD - Aztec District Office
Bureau of Land Management

WAIVER


_____ hereby waives objection to Burlington Resources' application for a non-standard location for the Martin #5R as proposed above.

By: _____ Date: _____

RECEIVED
MAR 23 1999
OIL CONSERVATION DIV.
DIST. 4

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	5. Lease Number SF-077315 Unit Reporting Number	
1b. Type of Well GAS	6. If Indian, All. or Tribe	
2. Operator BURLINGTON RESOURCES Oil & Gas Company	7. Unit Agreement Name	
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name Martin 9. Well Number 5R	
4. Location of Well 965' FNL, 1285' FEL Latitude 36° 37.5, Longitude 107° 55.9	10. Field, Pool, Wildcat Fulcher Kutz Pict'd Cliffs 11. Sec., Twn, Rge, Mer. (NMPM) Sec. 31, T-28-N, R-10-W API # 30-045-	
14. Distance in Miles from Nearest Town 6 miles to Bloomfield	12. County San Juan	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 965'		
16. Acres in Lease	17. Acres Assigned to Well 160.00	
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 500'		
19. Proposed Depth 1967'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 5811' GR	22. Approx. Date Work will Start	
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by: <u></u> <u>1-4-99</u> Regulatory/Compliance Administrator Date		

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

Archaeological Report to be submitted

Threatened and Endangered Species Report to be submitted

NOTE: This format is issued in lieu of U.S. BLM Form 3160-3

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or presentations as to any matter within its jurisdiction.

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

District II
PO Drawer 00, Artesia, NM 88211-0719

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

District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

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

Form C-102
Revised February 21, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-045-		*Pool Code 77200		*Pool Name Fulcher Kutz Pictured Cliffs	
*Property Code 7290		*Property Name MARTIN			*Well Number 5R
*OGRID No. 14538		*Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY			*Elevation 5811'

¹⁰ Surface Location

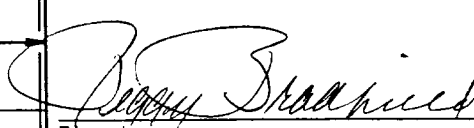
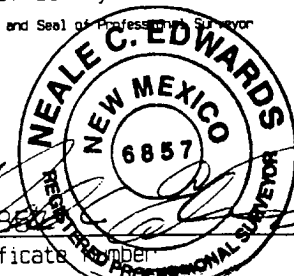
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	31	28N	10W		965	NORTH	1285	EAST	SAN JUAN

¹¹ Bottom Hole Location If Different From Surface

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

¹² Dedicated Acres NE/160	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

¹⁶ 1 2 3 4	5359.20'	NMSF-065546B	965'	1285'	¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief  Signature Peggy Bradfield Printed Name Regulatory Administrator Title 1-4-99 Date ¹⁸ SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. SEPTEMBER 26, 1998 Date of Survey Signature and Seal of Professional Surveyor  Certificate Number
	5280.00'	NMSF-077315	5280.00'		
	31				
	5363.82'				

December 30, 1998

OPERATIONS PLAN

Well Name: Martin #5R
Location: 965' FNL, 1285' FEL, Section 31, T-28-N, R-10-W
 San Juan County, New Mexico
 Latitude 36° 37.5, Longitude 107° 55.9
Formation: Fulcher Kutz Pictured Cliffs
Elevation: 5811'GR

Formation:	Top	Bottom	Contents
Surface	Nacimiento	712'	
Ojo Alamo	712'	830'	
Kirtland	830'	1553'	
Fruitland	1553'	1767'	gas
Pictured Cliffs	1767'		gas
Total Depth	1967'		

Logging Program: Cased hole - GR/CCL

Mud Program:

<u>Interval</u>	<u>Type</u>	<u>Weight</u>	<u>Vis.</u>	<u>Fluid Loss</u>
0- 120'	Spud	8.4-9.0	40-50	no control
120-1967'	Non-dispersed	8.4-9.5	30-60	no control

Casing Program (as listed, equivalent, or better):

<u>Hole Size</u>	<u>Depth Interval</u>	<u>Csq.Size</u>	<u>Wt.</u>	<u>Grade</u>
8 3/4"	0 - 120'	7"	20.0#	J-55
6 1/4"	0 - 1967'	2 7/8"	6.9#	J-55

Tubing Program:

None

Float Equipment: 7" surface casing - saw tooth guide shoe.
 Centralizers will be run in accordance with Onshore Order #2.

2 7/8" production casing - float shoe on bottom. Three centralizers run every other joint above shoe. Four centralizers run every 3rd joint to the base of the Ojo Alamo @ 830'. Two turbolizing type centralizers - one below and one into the base of the Ojo Alamo @ 830'. Standard centralizers thereafter every fourth joint up to the base of the surface pipe.

Wellhead Equipment: 7" x 2 7/8" x 11" 2000 psi screw on independent wellhead.

December 30, 1998

Cementing:

7" surface casing - Cement with 46 sx Class "B" cement with 1/4# flocele/sx and 3% calcium chloride (54 cu.ft. of slurry, includes 200% excess to circulate to surface). WOC 8 hrs. Test casing to 600 psi for 30 minutes.

2 7/8" production casing - Lead w/205 sx Class "B" cement w/2% calcium chloride, and 1/4# flocele/sx. Tail w/90 sx Class "B" cement w/2% calcium chloride (727 cu.ft. of slurry, includes 120% excess to circulate to surface). WOC 8 hrs. If cement does not circulate to surface, a CBL will be run during completion to determine TOC.

BOP and tests:

Surface to TD - 11" 2000 psi (minimum double gate BOP stack (Reference Figure #1 and #2). Prior to drilling out surface casing, test rams to 600 psi/30 min.


Completion - 6" 2000 psi (minimum) double gate BOP stack (Reference Figure #2). Prior to completion operations, test rams and casing to 2000 psi/15 min.

From surface to TD - choke manifold (Reference Figure #3).

Pipe rams will be actuated to least once each day and blind rams actuated once each trip to test proper functioning. An upper kelly cock valve with handle and drill string safety valves to fit each drill string will be maintained and available on the rig floor.

Additional information:

- * The Pictured Cliffs formation will be completed.
- * Anticipated pore pressure for the Fruitland is 300 psi and for the Pictured Cliffs is 300 psi.
- * This gas is dedicated.
- * The northeast quarter of the section is dedicated to the Pictured Cliffs.
- * Pipe movement (either rotation or reciprocation) will be done if hole conditions permit.



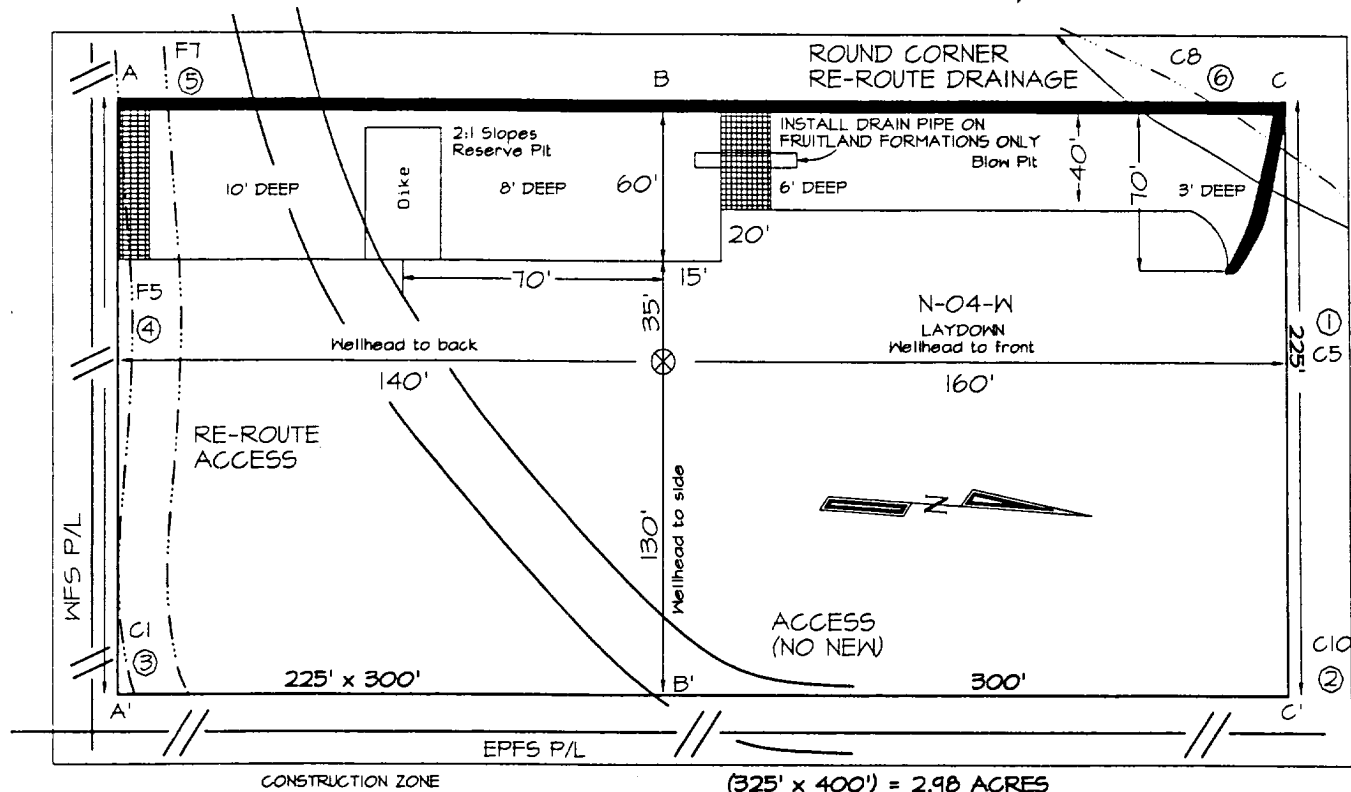
Drilling Engineer



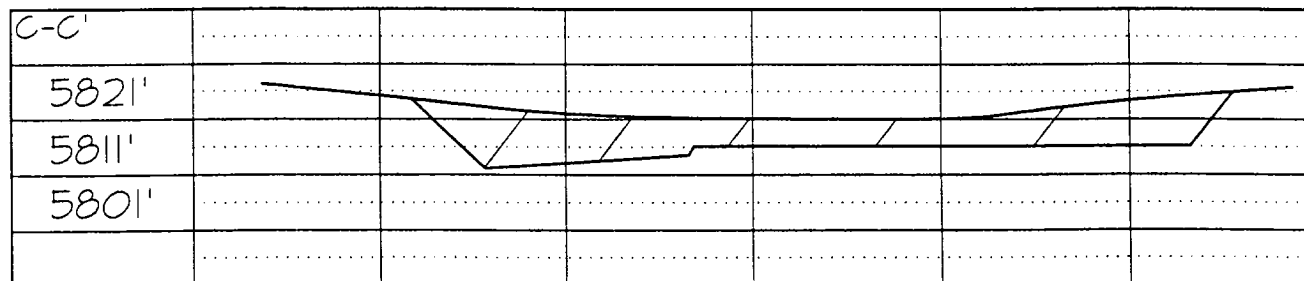
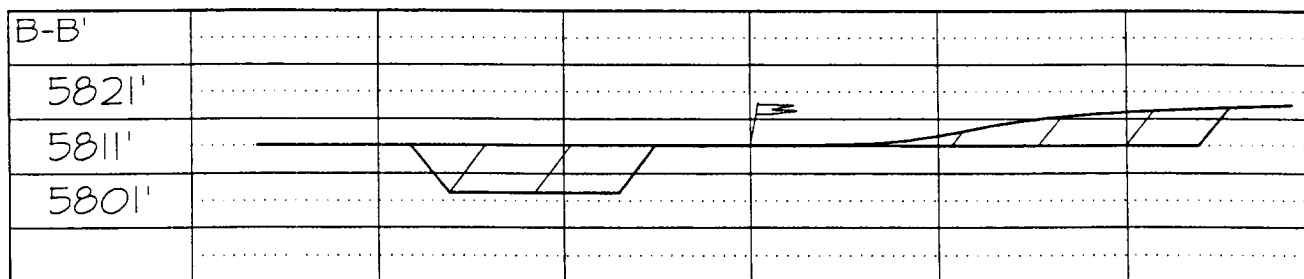
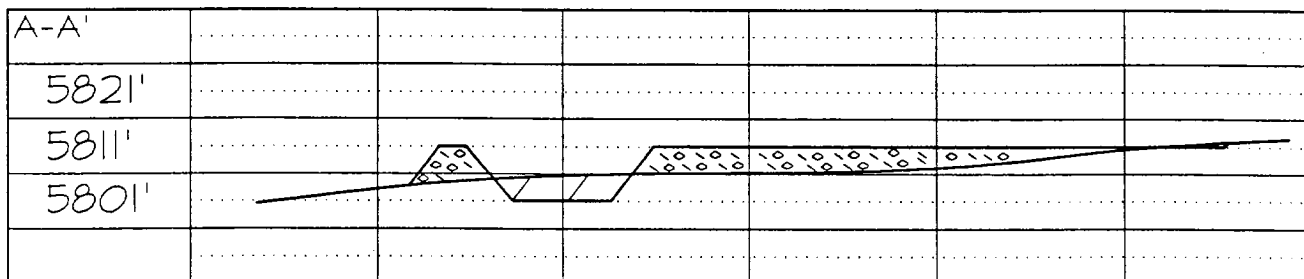
Date

PLAT #1

BURLINGTON RESOURCES OIL & GAS COMPANY
MARTIN #5R, 965' FNL & 1285' FEL
SECTION 31, T28N, R10W, NMPM, SAN JUAN COUNTY, NEW MEXICO
GROUND ELEVATION: 5811' DATE: SEPTEMBER 26, 1998



Reserve Pit Dike: to be 8' above Deep side (overflow - 3' wide and 1' above shallow side).
 Blow Pit: overflow pipe halfway between top and bottom and to extend over plastic liner and into blow pit



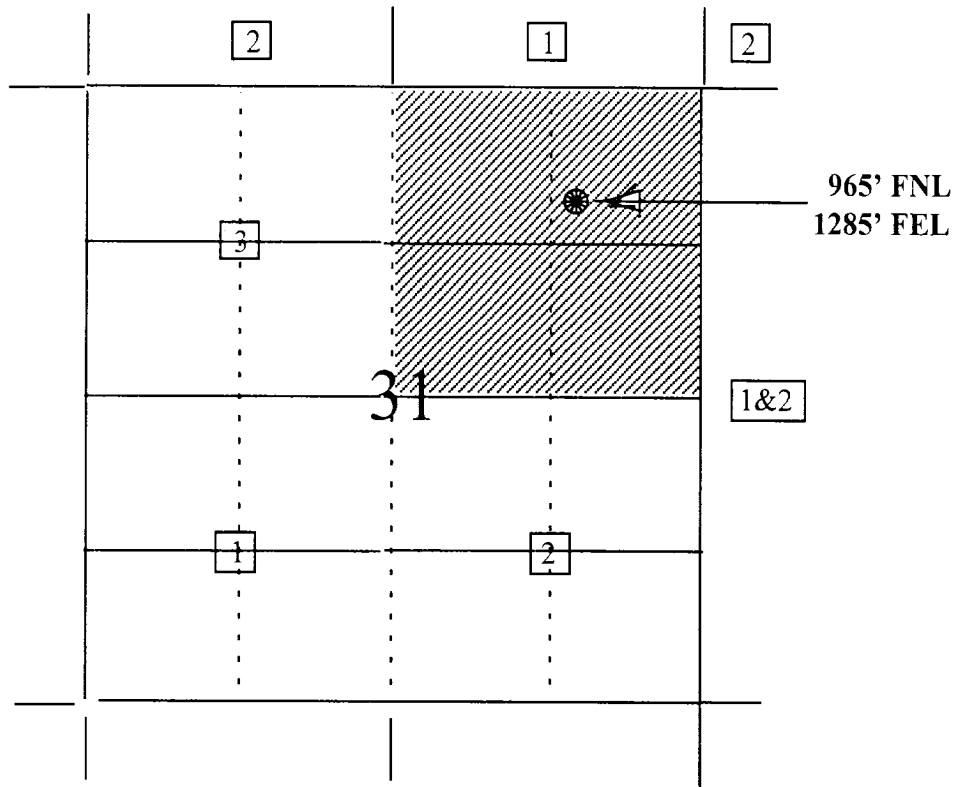
Note: Contractor should call One-Call for location of any marked or unmarked buried pipelines or cable on well pad and/or access road at least two (2) working days prior to construction

BURLINGTON RESOURCES OIL AND GAS COMPANY

**Martin #5R
OFFSET OPERATOR \ OWNER PLAT
Non Standard Location**

Pictured Cliffs (NE 1/4) Formation Well

Township 28 North, Range 10 West



1) Burlington Resources
2) Cross Timbers Oil Company
6001 US Highway 64
Bloomfield, NM 87413


3) Dugan Production Corporation
P.O. Box 420
709 E. Murray Dr.
Farmington, NM 87499

Re: Martin #5R
965'FNL, 1285'FEL Section 31, T-28-N, R-10-W, San Juan County
30-045-not assigned

I hereby certify that the following offset operators/owners have been mailed notification of our application for non-standard location to drill the referenced well.

Dugan Production Corporation
PO Box 420
Farmington, NM 87499

Cross Timbers Oil Company
6001 US Highway 64
Bloomfield, NM 87413



Peggy Bradfield

