

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-078399
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
San Juan 29-7 Unit

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

8. Farm or Lease Name
San Juan 29-7 Unit

9. Well Number
176

4. Location of Well
1955' FNL, 1715' FWL
Latitude 36° 42.8, Longitude 107° 33.6

10. Field, Pool, Wildcat
Blanco Pictured Cliffs

11. Sec., Twn, Rge, Mer. (NMPM)
F Sec. 22, T-29-N, R-7-W
API # 30-039- 26722

14. Distance in Miles from Nearest Town
25 miles from Blanco

12. County
Rio Arriba

13. State
NM

15. Distance from Proposed Location to Nearest Property or Lease Line
1715'

16. Acres in Lease

17. Acres Assigned to Well
160

18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease
400'

19. Proposed Depth
3890' —

This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4.

20. Rotary or Cable Tools
Rotary

21. Elevations (DF, FT, GR, Etc.)
6787' GR —

22. Approx. Date Work will Start

23. Proposed Casing and Cementing Program
See Operations Plan attached

24. Authorized by: Peggy Cole
Regulatory/Compliance Supervisor

Date 2-15-01

PERMIT NO. _____ APPROVAL DATE 5/18/01

APPROVED BY /s/ Lee Otter 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

2001 APR -2 AM 8:43

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-039- <u>26722</u>		*Pool Code 72359	*Pool Name Blanco Pictured Cliffs
*Property Code 7465	*Property Name SAN JUAN 29-7 UNIT		*Well Number 176
*GRID No. 14538	*Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY		*Elevation 6787'

¹⁰ Surface Location

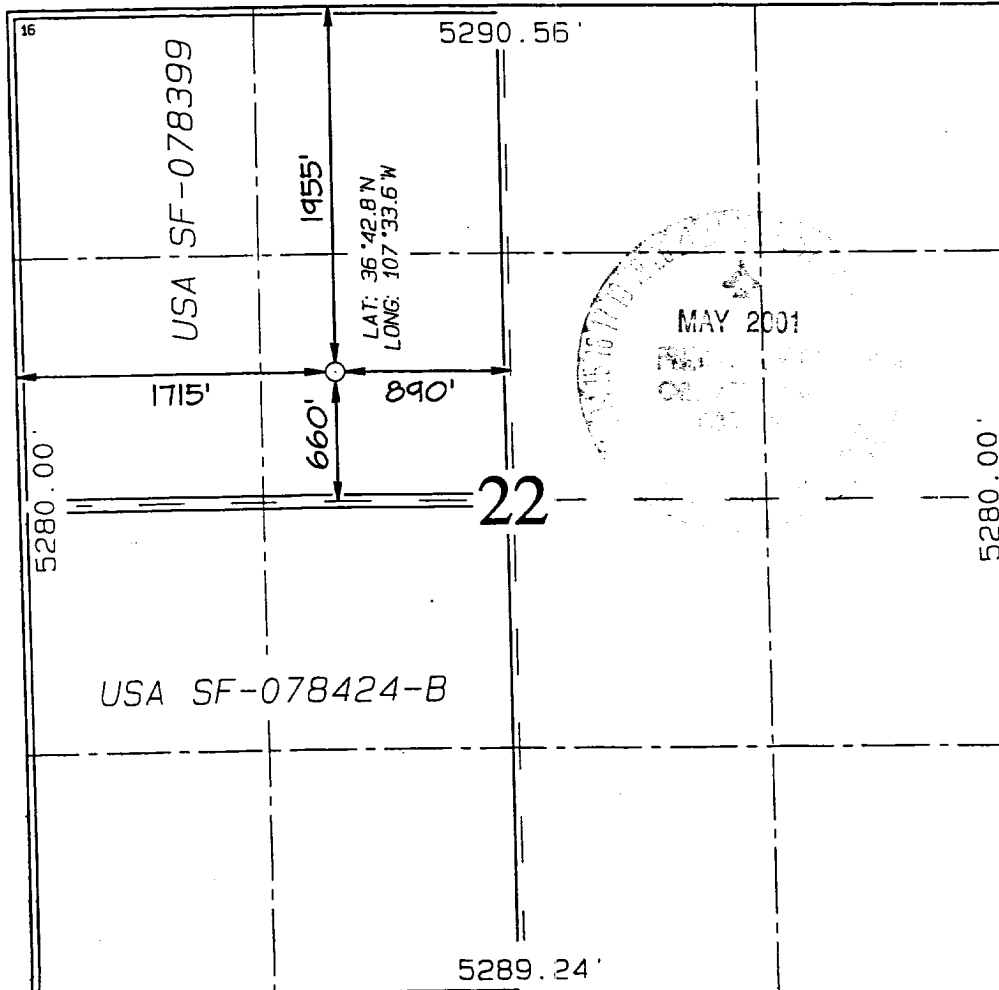
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	22	29N	7W		1955	NORTH	1715	WEST	RIO ARriba

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 160	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No. 160 acres for density purposes for the Pictured Cliffs 320 acres for revenue purposes for the Pictured Cliffs
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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



¹⁷ OPERATOR CERTIFICATION
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief

Peggy Cole
Signature

Peggy Cole
Printed Name

Regulatory Supervisor
Title

2-15-01
Date

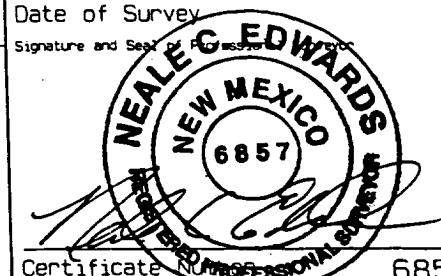
¹⁸ SURVEYOR CERTIFICATION

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.

NOVEMBER 27, 2000

Date of Survey

Signature and Seal of Professional Surveyor



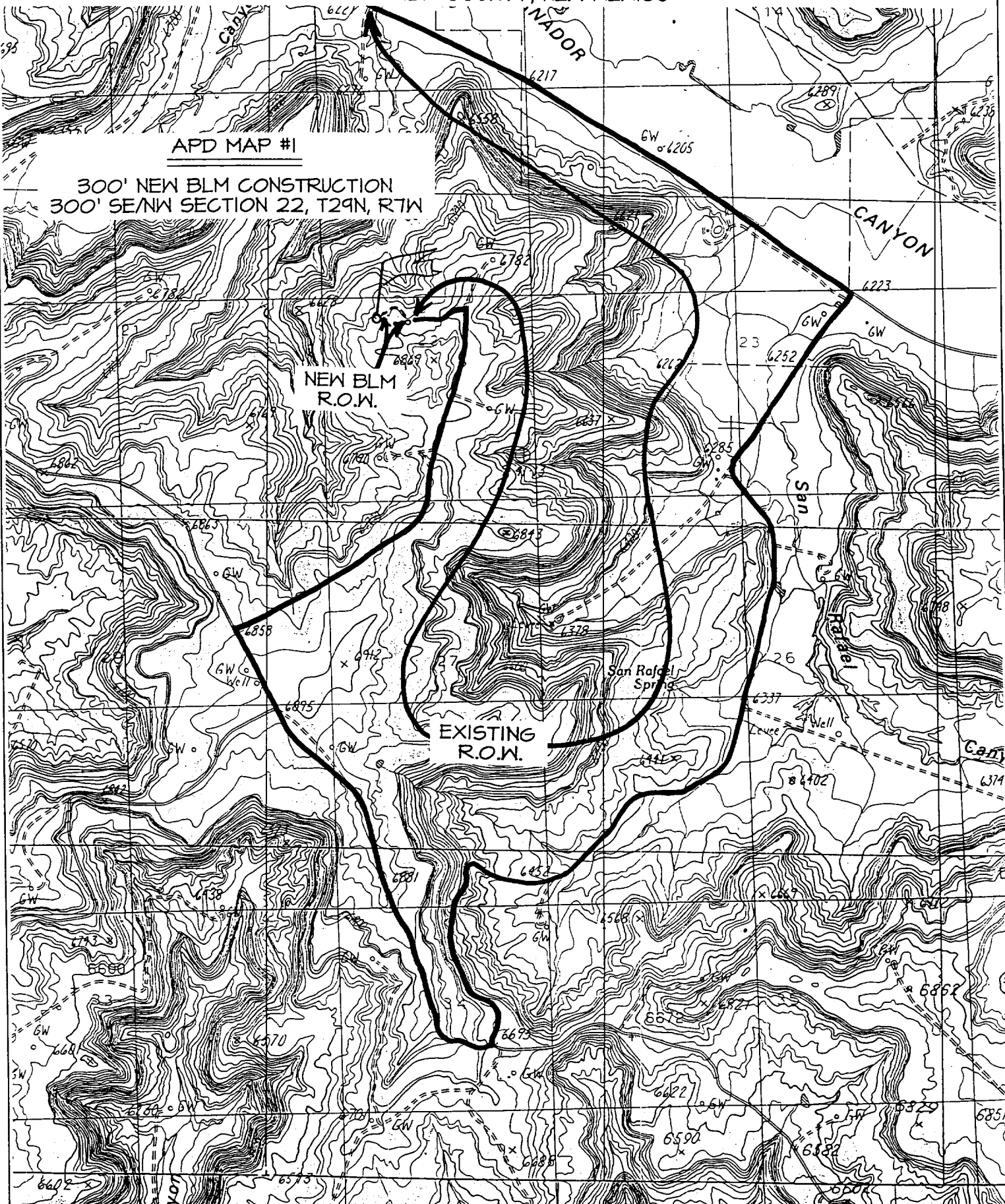
Certificate Number 6857

BURLINGTON RESOURCES OIL & GAS COMPANY SAN JUAN 29-7 UNIT #176

1955' FNL & 1715' FWL, SECTION 22, T29N, R7W, N.M.P.M.
RIO ARriba COUNTY, NEW MEXICO

APD MAP #1

300' NEW BLM CONSTRUCTION
300' SE/NW SECTION 22, T29N, R7W



OPERATIONS PLAN

Well Name: San Juan 29-7 Unit #176
Location: 1955' FNL, 1715' FWL, Section 22, T-29-N, R-7-W
Rio Arriba County, New Mexico
Latitude 36° 42.8, Longitude 107° 33.6
Formation: Blanco Pictured Cliffs
Elevation: 6787' GL

Formation:	Top	Bottom	Contents
Surface	San Jose	2674'	
Ojo Alamo	2674'	2799'	aquifer
Kirtland	2799'	3308'	gas
Fruitland	3308'	3594'	gas
Pictured Cliffs	3594'	3796'	gas
Lewis marker	3796'		gas
Total Depth	3890'		

Logging Program:

Cased hole - Surface to TD - CBL-CCL-GR
Open hole - CNL-LDT TD to 2790', AIT - Surface to TD

Coring Program: None

Mud Program:

Interval	Type	Weight	Vis.	Fluid Loss
0- 200'	Spud	8.4-9.0	40-50	no control
200-3890'	FW	8.4-9.0	32-45	no control

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

Hole Size	Depth Interval	Csg. Size	Wt.	Grade
8 3/4"	0 - 200'	7"	20.0#	J-55
6 1/4"	0 - 3890'	2 7/8"	6.5#	J-55

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. Seven centralizers run every 3rd joint to the base of the Ojo Alamo @ 2799'. Two turbolizing type centralizers - one below and one into the base of the Ojo Alamo @ 2799'. Standard centralizers thereafter every fourth joint up to the base of the surface pipe.

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

Cementing:

7" surface casing - cement with 76 sx Class "H" cement with 1/4# flocele/sx and 3% calcium chloride (90 cu.ft. of slurry, 200% excess to circulate to surface). WOC 8 hrs. Test casing to 600 psi for 30 minutes.

2 7/8" production casing - Lead w/462 sx Class "G" TXI lightweight cement w/2.5% sodium meatsilicate, 1/2 pps Flocele, 10 pps Gilsonite, 2% calcium chloride, and 0.2% antifoam agent. Tail w/90 sx 50/50 Class "G" Poz w/2% gel, 1/4 pps Flocele, 5 pps Gilsonite, 2% calcium chloride, and 0.1% antifoam agent (1307 cu.ft. of slurry, 100% excess to circulate to surface). WOC 8 hrs.

Note: If open hole logs are run, cement volumes will be based on 25% excess over caliper volumes.

BOP and tests:

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

Completion - 7 1/16" 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 Pictured Cliffs is 500 psi.
- * This gas is dedicated.
- * The west half of section 22 is dedicated to the Pictured Cliffs.



Drilling Engineer

2/20/01

Date

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.

FORM APPROVED
OMB NO. 1004-0135
Expires: November 30, 2000

5. Lease Serial No.
SF-078399

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement Name and/or No.
SAN JUAN 29-7 UNI

8. Well Name and No.
SAN JUAN 29-7 UNIT 176

9. API Well No.
3003900000 26722

10. Field and Pool, or Exploratory Area
BLANCO PICTURED CLIFFS

11. County or Parish, and State
RIO ARRIBA NM

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

1. Type of Well ☐ Oil Well ☒ Gas Well Other

2. Name of Operator
BURLINGTON RESOURCES OIL & GAS

3a. Address 3401 EAST 30TH
FARMINGTON, NM 87402

3b. Phone No. (include area code)
505.326.9727

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1715FWL 1955FNL 22-29-7

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> APDCH
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

It is intended to alter the surface casing depth and cement of the subject well. A 9 7/8" hole will be drilled to 120'. 7" 20# J-55 casing will be run to 120'. It will be cemented w/27 sacks Class A, B Portland Type I, II cement (32 cu.ft. of slurry, bringing cement to surface through 3/4" line).

ACirculate

Electronic Submission #3246 verified by the BLM Well Information System for BURLINGTON RESOURCES OIL & GAS Sent to the Farmington Field Office
Committed to AFMSS for processing by Maurice Johnson on 03/30/2001

Name (Printed/Typed) PEGGY COLE Title REPORT AUTHORIZER

Signature Date 03/27/2001

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By _____ Title _____ Date 5/21/01

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office