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-077652
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**
East

9. **Well Number**
#7F

4. **Location of Well**
1510'FNL, 2100'FWL

Latitude 36° 54.1'N, Longitude 108° 04.0'W

10. **Field, Pool, Wildcat**
Basin Dakota

11. **Sec., Twn, Rge, Mer. (NMPM)**
F Sec.14, T-31-N, R-12-W

API # 30-045- 30438

14. **Distance in Miles from Nearest Town**
8.2 miles from Aztec P.O.

12. **County** San Juan

13. **State** NM

15. **Distance from Proposed Location to Nearest Property or Lease Line**
1510'

16. **Acres in Lease**

17. **Acres Assigned to Well**
W/280.06

18. **Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease**

19. **Proposed Depth**
7423'

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.)**
6276' GR

22. **Approx. Date Work will Start**

23. **Proposed Casing and Cementing Program**
See Operations Plan attached

OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS"

24. **Authorized by:** Regulatory/Compliance Supervisor Date 11-20-00

PERMIT NO. _____ **APPROVAL DATE** _____

APPROVED BY Rev Phone call Steve Mason **TITLE** _____ **DATE** 3-13-1

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.

80 Ac infill pilot R-11532
NSL approved

NMOCD

MAR 2001 RECEIVED OIL CON. DIV. DIST. 3

DISTRICT I
P.O. Box 1980, Hobbs, N.M. 88241-1980

DISTRICT II
P.O. Drawer DD, Artesia, N.M. 88211-0719

DISTRICT III
1000 Rio Brazos Rd., Aztec, N.M. 87410

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

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
P.O. 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

[1] API Number	[2] Pool Code	[3] Pool Name
30-045- 30438	71599	Basin Dakota

[4] Property Code	[5] Property Name	[6] Well Number
18517	EAST	7F

[7] OGRID No.	[8] Operator Name	[9] Elevation
14538	BURLINGTON RESOURCES OIL & GAS INC.	6276

[10] Surface Location

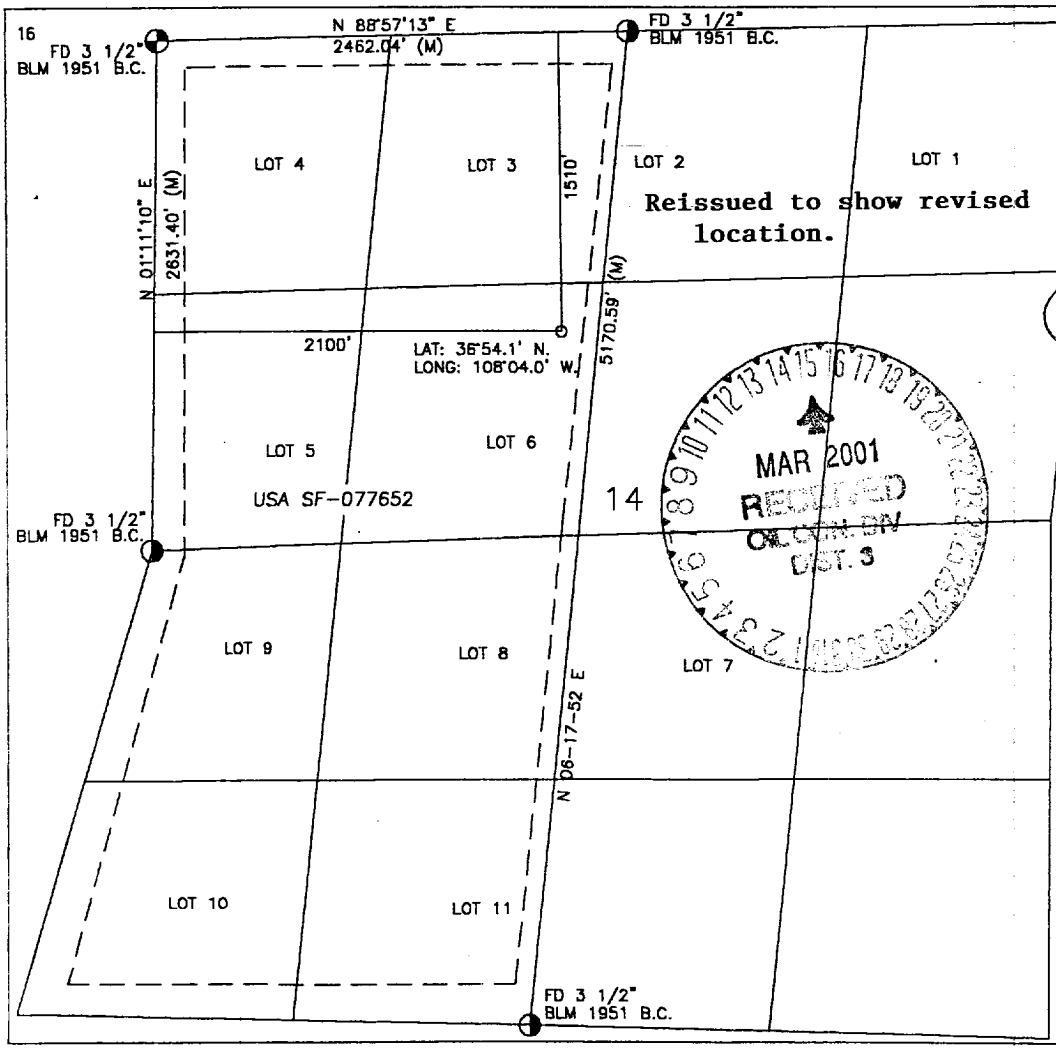
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	14	31-N	12-W		1510	NORTH	2100	WEST	SAN JUAN

[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	[13] Joint or Infill	[14] Consolidation Code	[15] Order No.
W/280.06			R-11632

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

Signature

Peggy Cole
Printed Name

Regulatory Supervisor
Title

11-20-00
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.

10-17-00
Date of Survey

Signature and Seal of Professional Surveyor:

ROY A. RUSH
NEW MEXICO
8894
REGISTERED PROFESSIONAL LAND SURVEYOR

8894
Certificate Number

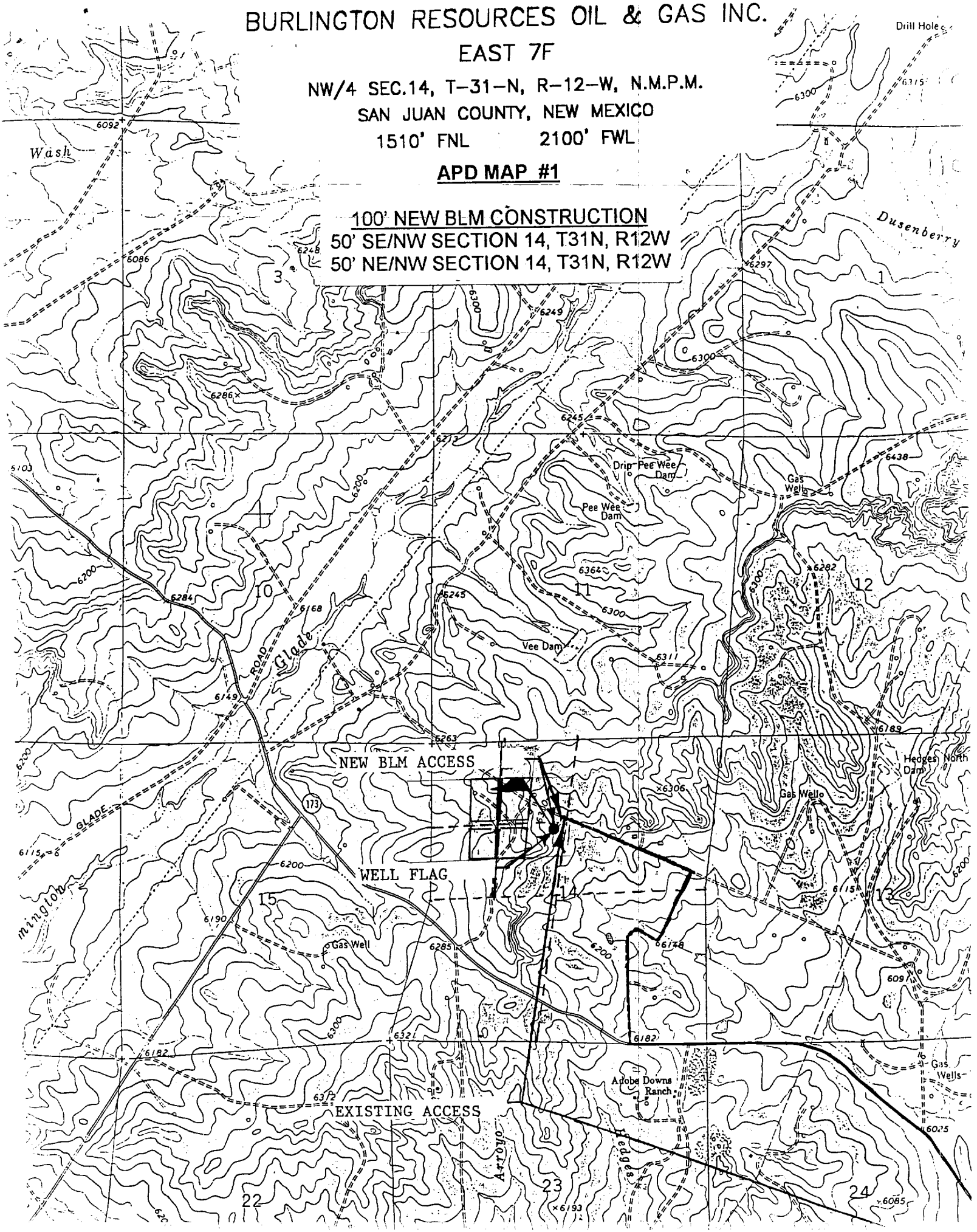
BURLINGTON RESOURCES OIL & GAS INC.

EAST 7F

NW/4 SEC.14, T-31-N, R-12-W, N.M.P.M.
SAN JUAN COUNTY, NEW MEXICO
1510' FNL 2100' FWL

APD MAP #1

100' NEW BLM CONSTRUCTION
50' SE/NW SECTION 14, T31N, R12W
50' NE/NW SECTION 14, T31N, R12W



OPERATIONS PLAN

Well Name: East #7F
Location: 1510'FNL, 2100'FWL, Sec.14, T-31-N, R-12-W
San Juan County, NM
Latitude 36° 54.1'N, Longitude 108° 04.0'W
Formation: Basin Dakota
Elevation: 6276'GL

Formation Tops:	***Top***	***Bottom***	***Contents***
Surface	San Jose	1104'	
Ojo Alamo	1104'	1181'	aquifer
Kirtland	1181'	2107'	gas
Fruitland	2107'	2761'	
Pictured Cliffs	2761'	2916'	gas
Lewis	2916'	3479'	gas
Mesaverde	3479'	3867'	gas
Chacra	3867'	4388'	gas
Massive Cliff House	4388'	4540'	gas
Menefee	4540'	5095'	gas
Massive Point Lookout	5095'	5463'	gas
Mancos Shale	5463'	7111'	gas
Greenhorn	7111'	7241'	gas
Dakota	7241'	7423'	gas
TD	**7423'**		

Logging Program:
Open hole logs - none
Cased hole logs - CBL/GR - TD to surface.
Cores - none

Mud Program:

Interval	Type	Weight	Vis.	Fluid Loss
0- 320'	Spud	8.4-8.9	40-50	no control
320-7423'	LSND	8.4-9.0	40-60	8-12

Pit levels will be visually monitored to detect gain or loss of fluid control.

Casing Program:

Hole Size	Depth Interval	Csg.Size	Wt.	Grade
12 1/4"	0' - 320'	8 5/8"	24.0#	WC-50
7 7/8"	0' - 7423'	4 1/2"	10.5#	J-55

Tubing Program:

0' - 7423'	2 3/8"	4.7#	J-55 EUE

BOP Specifications, Wellhead and Tests:
Surface to TD -
11" 3000 psi minimum double gate BOP stack (Reference Figure #1). After nipple-up prior to drilling out surface casing, rams and casing will be tested to 600 psi for 30 minutes.

2" nominal, 3000 psi minimum choke manifold (Reference Figure #3).

Completion Operations -
6" 3000 psi double gate BOP stack (Reference Figure #2).
After nipple-up prior to completion, pipe rams and casing top will be tested to 3000 psi for 15 minutes.

Surface to Total Depth -
2" nominal, 3000 psi minimum choke manifold (Reference Figure #3).

Wellhead -
8 5/8" x 4 1/2" x 2 3/8" x 3000 psi tree assembly.

General -
- Pipe rams will be actuated once each day and blind rams will be actuated once each trip to test proper functioning.
- An upper kelly cock valve with handle available and drill string valves to fit each drill string will be available on the rig floors at all times.
- A BOP pit level drill will be conducted weekly for each drilling crew.
- All of the BOP tests and drills will be recorded in the daily drilling reports.
- Blind and pipe rams will be equipped with extension hand wheels.

Cementing:

8 5/8" surface casing -
Cement to surface w/336 sx Class "G" cement w/3% calcium chloride and 1/4#/sx cellophane flakes (396 cu.ft. of slurry, 200% excess to circulate to surface.) WOC 8 hr prior to drilling out surface casing. Test casing to 600 psi for 30 minutes.

Saw tooth guide shoe on bottom. Bowspring centralizers will be run in accordance with Onshore Order #2.

Production Casing - 4 1/2"
4 1/2" production casing -
Lead w/809 sx Litecrete, 0.11% dispersant. Tail w/346 sx 50/50 Class "G" poz w/5% gel, 0.25 pps celloflakes, 5 pps gilsonite, 0.25% fluid loss, 0.15% dispersant, 0.1% retarder (2536 cu. ft. of slurry, 50% excess.) Circ.

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

Float shoe on bottom. Three centralizers run every other joint above shoe. Thirty-five centralizers - one every 4th joint to the base of the Ojo Alamo @ 1181'. Two turbolizing type centralizers - one below and one into the base of the Ojo Alamo @ 1181'. Standard centralizers thereafter every fourth joint up to the base of the surface pipe.