Form 3160-3
(August 1999)

FORM APPROVED
OMB No. 1004-0136
Expires November 30, 2000

APR 2001

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Serial No.
SF-077648

6. If Indian, Allottee or Tribe Name

7. If Unit or CA Agreement, Name and No.

1a. Type of Work: ☒ DRILL ☐ REENTER

1b. Type of Well: ☐ Oil Well ☒ Gas Well ☐ Other ☒ Single Zone ☐ Multiple Zone

8. Lease Name and Well No.
DAVIS 8R

2. Name of Operator BURLINGTON RESOURCES OIL & GAS
CONTACT: PEGGY COLE REPORT AUTHORIZER
EMAIL: pbradfield@br-inc.com

9. API Well No.
30-045-30417

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

3b. Phone No. (include area code)
TEL: 505.326.9727 EXT:
FAX: 505.326.9563

10. Field and Pool, or Exploratory
BASIN DAKOTA

4. Location of Well (Report location clearly and in accordance with any State requirements.*)
At surface NWSE 2270FSL 2140FEL
LAT:36.547 LON:108.038
At proposed prod. zone

11. Sec., T., R., M., or Blk., and Survey or Are
Sec 11 T31N R12W NMP

12. County or Parish
SAN JUAN

13. State
NM

14. Distance in miles and direction from the nearest town or post office*
10.2 MILES FROM LAPLATA, NM

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. Unit line if any)	2140	16. No. of Acres in lease	17. Spacing unit dedicated to this well 305.96
18. Distance from proposed location* to nearest well, drilling, completed, Applied for, on this lease, ft.	1339	19. Proposed Depth 7485 MD	20. BLM/BIA Bond No. on file
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 6309 GL		22. Approximate date work will start*	23. Estimated duration

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification.
6. Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature Peggy Cole — Name (Printed/Typed) — Date 11-2

Title

Approved by (Signature) /s/ Lee Otteni — Name (Printed/Typed) — Date APR - 3

Title — Title

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

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States and false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*(Instructions on reverse)

ELECTRONIC SUBMISSION #1865 VERIFIED BY THE BLM WELL INFORMATION SYSTEM FOR BURLINGTON RESOURCES OIL & GAS
SENT TO THE FIELD OFFICE

[redacted] COPY

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

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

NMOCD

HOLD C104 FOR NSL

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- 30417	71599	Basin Dakota

[4] Property Code	[5] Property Name	[6] Well Number
18509	DAVIS	8R

[7] OGRID No.	[8] Operator Name	[9] Elevation
14538	BURLINGTON OIL AND GAS, INC.	6309'

[10] Surface Location

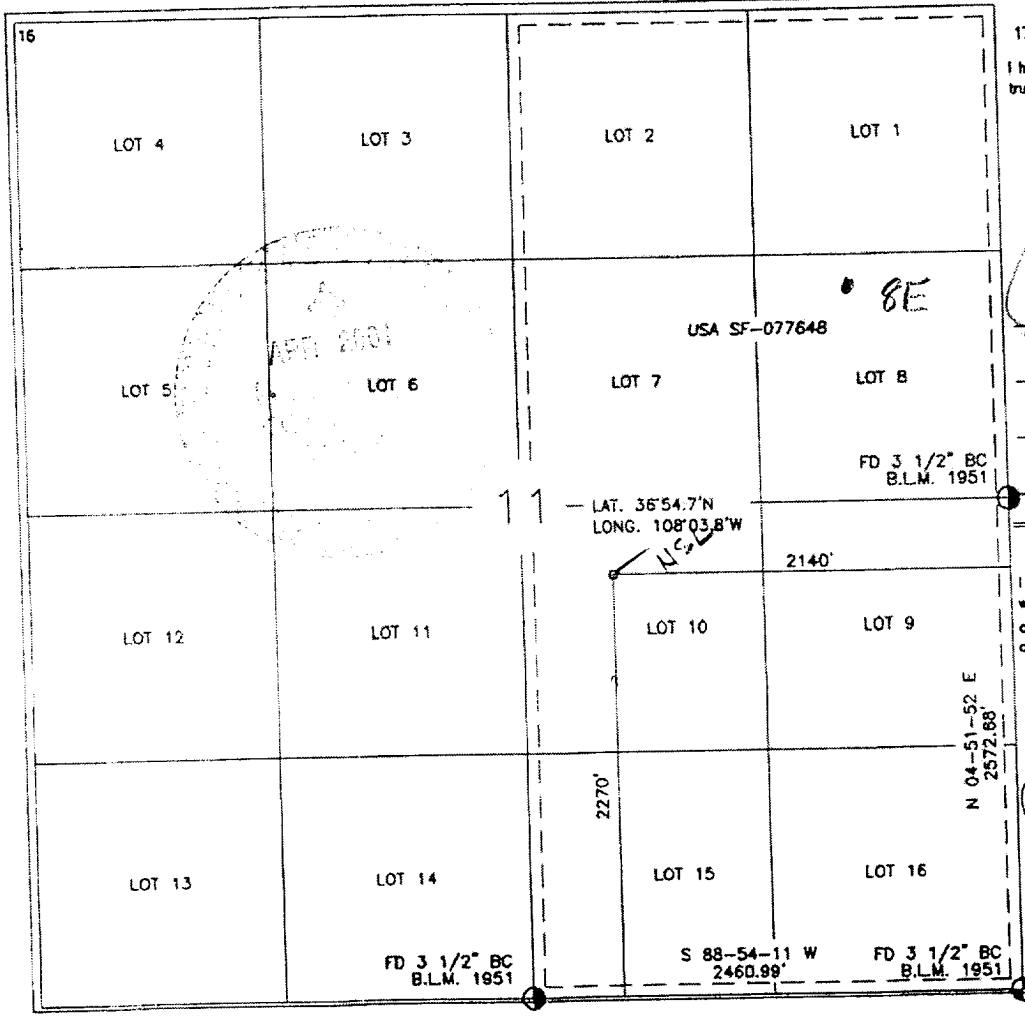
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
J	11	31-N	12-W		2270'	SOUTH	2140'	EAST	SAN JUAN

[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	[13] Joint or Infill	[14] Consolidation Code	[15] Order No.
E/305.96			

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

Peggy Cole
Printed Name

Regulatory Supervisor
Title

10-20-00
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.

9-4-
Date of Survey

Signature and Seal of Professional Surveyor:

RONALD J. RUSH
NEW MEXICO
8894
REGISTERED PROFESSIONAL LAND SURVEYOR

8894
Certificate Number

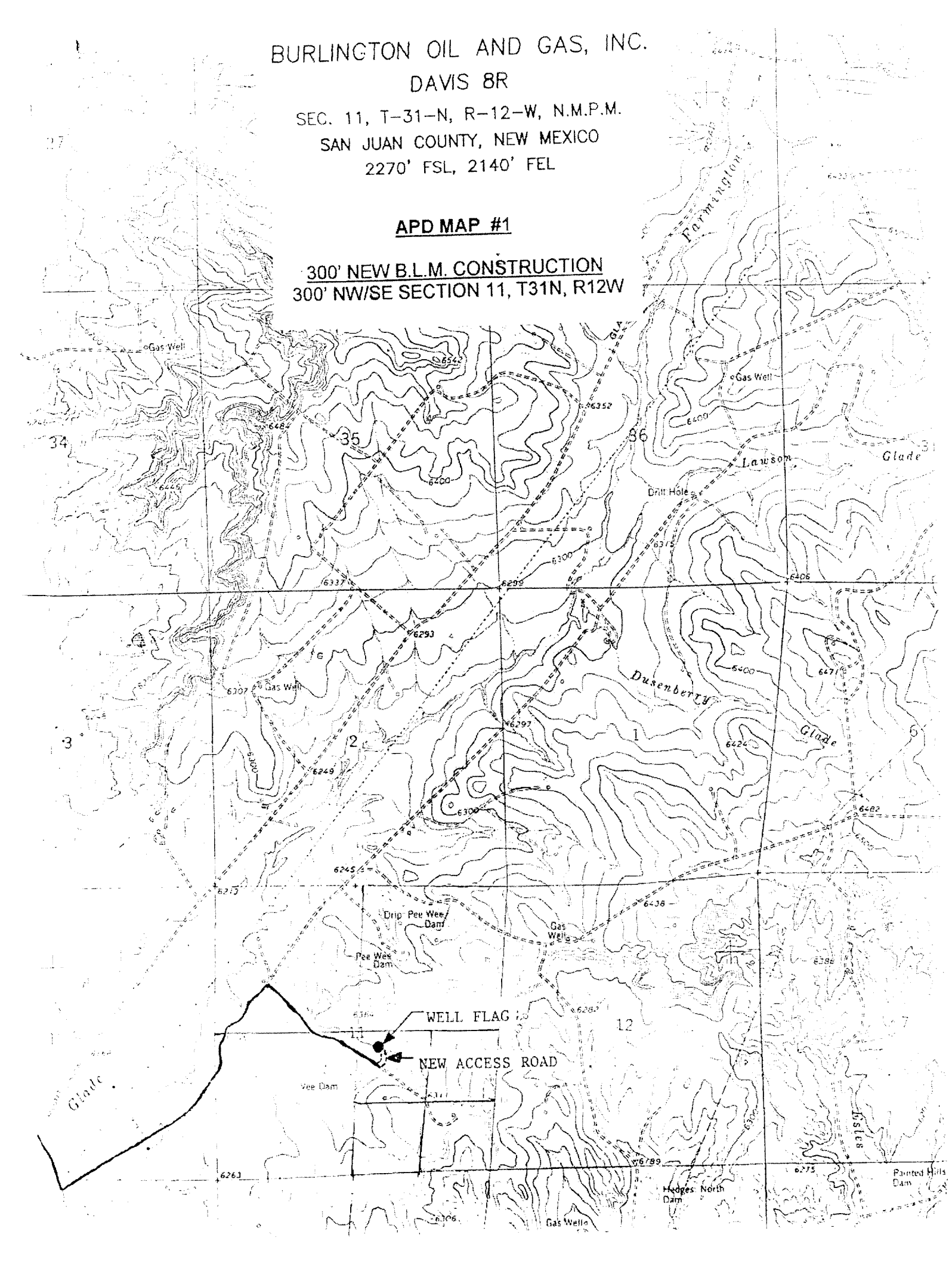
BURLINGTON OIL AND GAS, INC.

DAVIS 8R

SEC. 11, T-31-N, R-12-W, N.M.P.M.
SAN JUAN COUNTY, NEW MEXICO
2270' FSL, 2140' FEL

APD MAP #1

300' NEW B.L.M. CONSTRUCTION
300' NW/SE SECTION 11, T31N, R12W



OPERATIONS PLAN

Well Name: Davis #8R
Location: 2270'FSL, 2140'FEL, Sec.11, T-31-N, R-12-W
San Juan County, NM
Latitude 36° 54.7, Longitude 108° 03.8
Formation: Basin Dakota
Elevation: 6309'GL

Formation Tops:	***Top***	***Bottom***	***Contents***
Surface	San Jose	1174'	
Ojo Alamo	1174'	1242'	aquifer
Kirtland	1242'	2260'	gas
Fruitland	2260'	2885'	
Pictured Cliffs	2885'	3015'	gas
Lewis	3015'	3553'	gas
Mesaverde	3553'	3947'	gas
Chacra	3947'	4448'	gas
Massive Cliff House	4448'	4607'	gas
Menefee	4607'	5154'	gas
Massive Point Lookout	5154'	5551'	gas
Mancos Shale	5551'	7216'	gas
Greenhorn	7216'	7312'	gas
Dakota	7312'	7495'	gas
TD	**7495'**		

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
320-7495'	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' - 7495'	4 1/2"	10.5#	J-55

Tubing Program:

0' - 7495'	2 3/8"	4.7#	J-55 EUE

BOP Specifications, Wellhead and Tests:
Surface to TD -
11" 2000 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, 2000 psi minimum choke manifold (Reference Figure #3).

Completion Operations -
6" 2000 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, 2000 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.

4 1/2" production casing -
Lead w/820 sx Litecrete, 0.11% dispersant. Tail w/342 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 (2561 cu. ft. of slurry, 50% excess.)

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 @ 1242'. Two turbolizing type centralizers - one below and one into the base of the Ojo Alamo @ 1242'. Standard centralizers thereafter every fourth joint up to the base of the surface pipe.