

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work
DRILL

1b. Type of Well
GAS

2. 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
2420' FSL, 660' FEL
Latitude 36° 54.8'N, Longitude 108° 02.5'W

5. Lease Number
SF-077648
Unit Reporting Number 070 Farmington, N.M.

6. If Indian, All. or Tribe

7. Unit Agreement Name

8. Farm or Lease Name
Davis

9. Well Number
#505S

10. Field, Pool, Wildcat
Basin Fruitland Coal

11. Sec., Twn, Rge, Mer. (NMPM)
Sec. 12, T-31-N, R-12-W
API # 30-045-30715

12. County
San Juan

13. State
NM

14. Distance in Miles from Nearest Town
7 miles from Aztec

15. Distance from Proposed Location to Nearest Property or Lease Line
660'

16. Acres in Lease

17. Acres Assigned to Well
278.78 E/2

18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease
900'

19. Proposed Depth
3057'

20. Rotary or Cable Tools
Rotary

21. Elevations (DF, FT, GR, Etc.)
6294' GR

22. Approx. Date Work will Start

23. Proposed Casing and Cementing Program
See Operations Plan attached

24. Authorized by: Regulatory/Compliance Supervisor Date 5-22-01

PERMIT NO. _____ APPROVAL DATE 8/23/01

APPROVED BY /s/ Joel Farrell TITLE _____ DATE AUG 23

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 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

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

070 Ferri...

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-045- 30715		*Pool Code 71629	*Pool Name Basin Fruitland Coal
*Property Code 18509	*Property Name DAVIS		*Well Number 5055
*GRID No. 14538	*Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY, LP		*Elevation 6294'

10 Surface Location

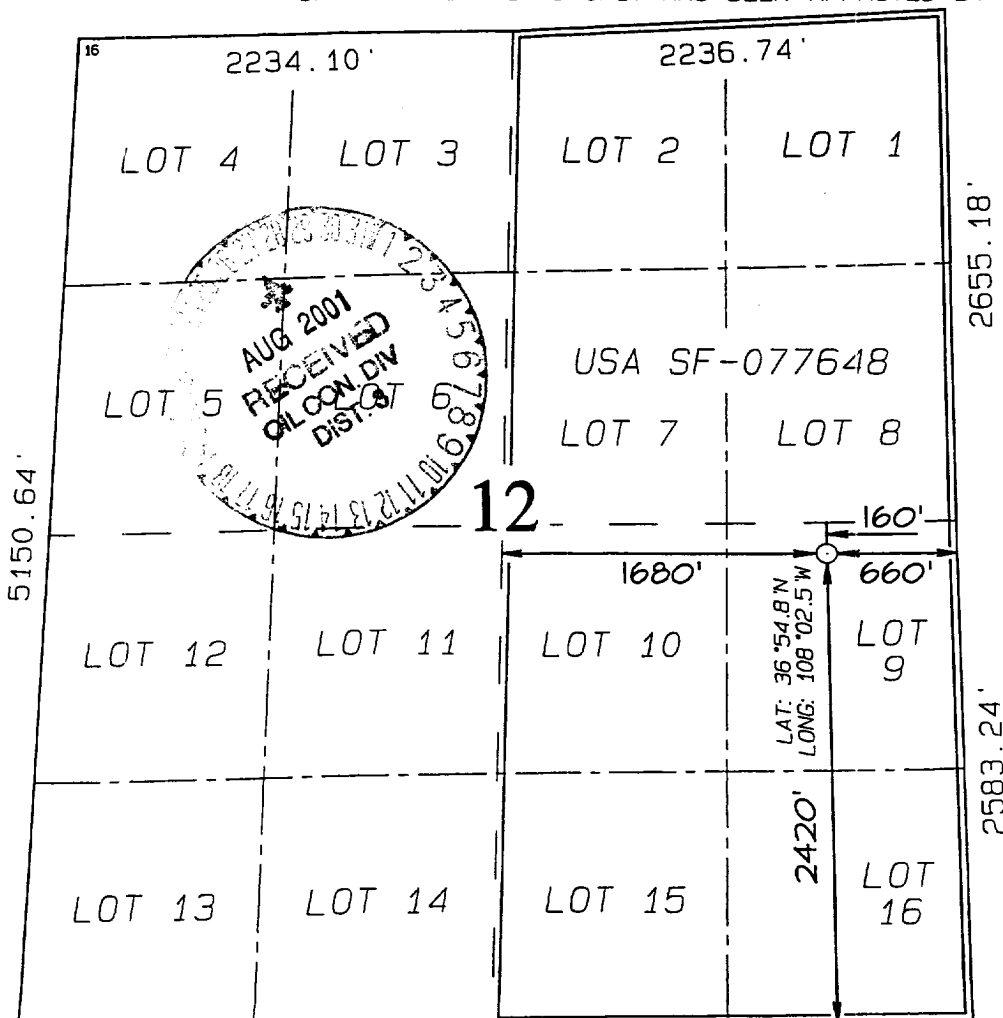
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
I	12	31N	12W		2420	SOUTH	660	EAST	SAN JUAN

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 E/278.78	13 Joint or Infill	14 Consolidation Code	15 Order No. R-11639
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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
5-22-01
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.

MAY 1, 2001

Date of Survey

Signature and Seal of Professional Surveyor

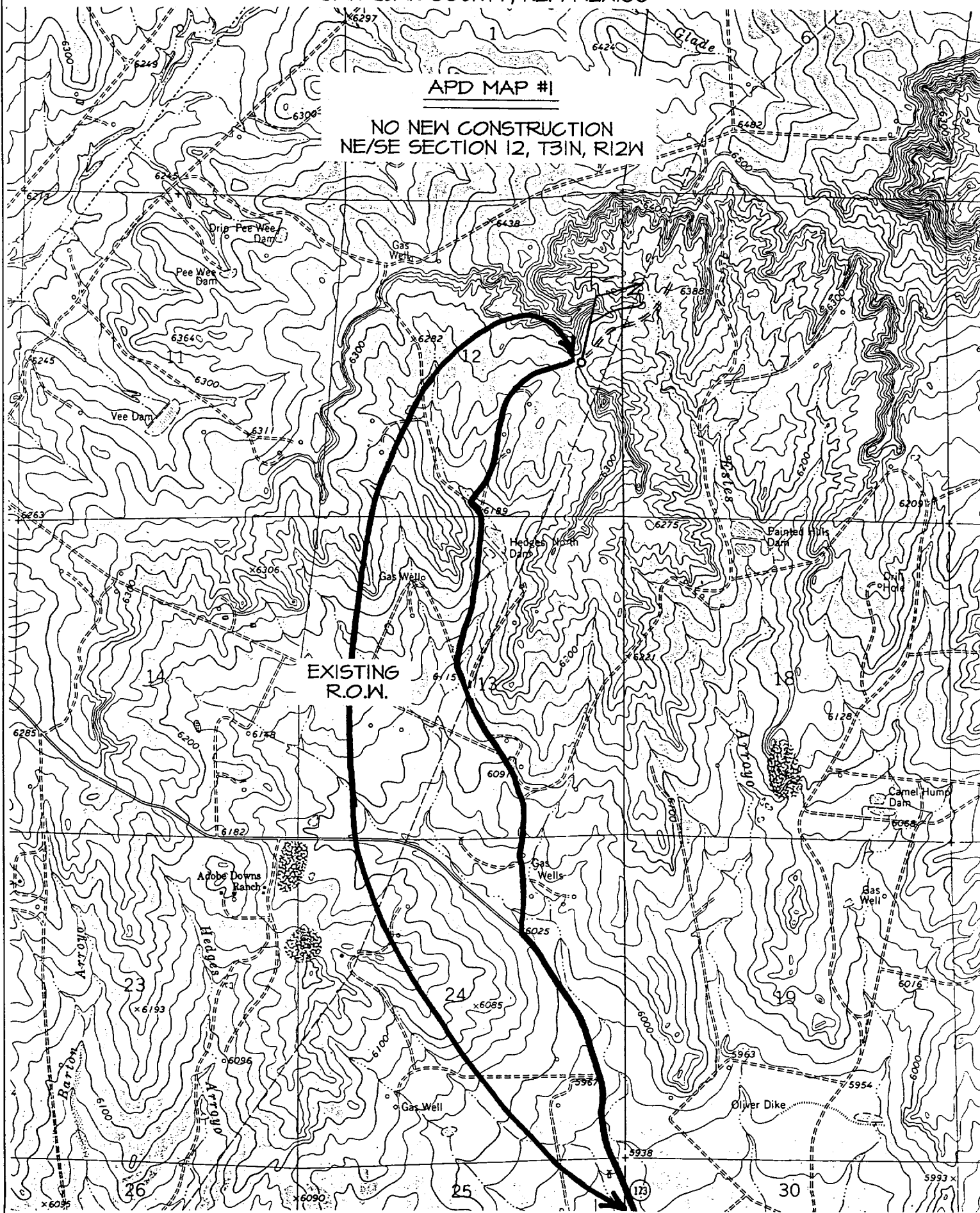
NEALE C. EDWARDS
NEW MEXICO
6857
Professional Surveyor
Certificate 6857

BURLINGTON RESOURCES OIL & GAS COMPANY DAVIS #5055

2420' FSL & 660' FEL, SECTION 12, T31N, R12W, N.M.P.M.
SAN JUAN COUNTY, NEW MEXICO

APD MAP #1

NO NEW CONSTRUCTION
NE/SE SECTION 12, T31N, R12W



submitted in lieu of Form 3160-5

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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
2420' FSL, 660' FEL, Sec.12, T-31-N, R-12-W, NMPM

5. Lease Number
SF-077648

6. If Indian, All. or Tribe Name

7. Unit Agreement Name

8. Well Name & Number
Davis #505S

9. API Well No.
30-045-

10. Field and Pool
Basin Fruitland Coal

11. County and State
San Juan Co, NM

12. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OTHER DATA

Type of Submission

Type of Action

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

13. Describe Proposed or Completed Operations

It is intended to alter the casing and cementing program of the subject well according to the attached operations plan.

14. I hereby certify that the foregoing is true and correct.

Signed *Reggie Cal* Title Regulatory Supervisor Date 8/13/01
TLW

(This space for Federal or State Office use)

APPROVED BY _____ Title _____ Date 8/23/01

CONDITION OF APPROVAL, if any:

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 representations as to any matter within its jurisdiction.

NMOCD

OPERATIONS PLAN

Well Name: Davis #505S
Location: 2420' FSL, 660' FEL Section 12, T-31-N, R-12-W
Latitude 36° 54.8' N, Longitude 108° 02.5' W
San Juan County, NM
Formation: Basin Fruitland Coal
Elevation: 6294' GL

Formation:	Top	Bottom	Contents
Surface	San Jose	1146'	
Ojo Alamo	1146'	1219'	aquifer
Kirtland	1219'	2542'	gas
Fruitland	2542'	2861'	gas
Pictured Cliffs	2861'		gas
Total Depth	3111'		

Logging Program: Platform Express from TD to surface, Dipole Sonic, ECS, MRIL TD to Fruitland top.

Mudlog: 2 Man unit from Ojo Alamo to TD.

Coring Program: none

Mud Program:

<u>Interval</u>	<u>Type</u>	<u>Weight</u>	<u>Vis.</u>	<u>Fluid Loss</u>
0- 200'	Spud	8.4-9.0	40-50	no control
200-3111'	Non-dispersed	8.4-9.5	30-60	no control

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

<u>Hole Size</u>	<u>Depth Interval</u>	<u>Csg. Size</u>	<u>Wt.</u>	<u>Grade</u>
12 1/4"	0' - 200'	8 5/8"	24.0#	J-55
7 7/8"	0' - 3111'	4 1/2"	10.5#	K-55

Tubing Program:

0' - 3111'	2 3/8"	4.7#	J-55
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Float Equipment: 8 5/8" surface casing - saw tooth guide shoe. Centralizers will be run in accordance with Onshore Order #2.

4 1/2" production casing - guide shoe and self-fill float collar. Three centralizers run every other joint above shoe. Seven centralizers run every third joint to the base of the Ojo Alamo @ 1219'. Two turbolizing type centralizers - one below and one into the base of the Ojo Alamo @ 1219'. Standard centralizers thereafter every fourth joint up to the base of the surface pipe.

Wellhead Equipment: 8 5/8" x 4 1/2" x 2 3/8" x 11" 2000 psi xmas tree assembly.

Cementing:

8 5/8" surface casing - cement with 210 sx Class "B" cement with 1/4# flocele/sx and 3% calcium chloride (248 cu.ft. of slurry, 200% excess to circulate to surface). WOC 8 hrs. Test casing to 600 psi/30 minutes.

4 1/2" production casing - lead w/594 sacks Premium Lite cmt with 3% calcium chloride, 0.25 pps flocele, 5 pps LCM-1, 0.4% FL-52, and 0.4% SMS. Tail with 110 sacks Type III cmt with 1% calcium chloride, 1/4#/sack flocele, and 0.2% FL-52 (1488 cu.ft., 100% excess to circulate to surface).

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

Davis #505S

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#/30 min.

Completion - 7 1/6" 2000 psi (minimum) double gate BOP stack (Reference Figure #2). Prior to completion operations, test blind rams and casing to 1500 psi for 30 minutes; all pipe rams and casing to 1500 psi for 30 minutes each.

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

Pipe rams will be actuated at 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.

BOP and tests (If a coiled tubing drilling (CTD) rig is utilized.):

Surface to TD: 7-1/16" 2000 psi (minimum) Torus annular BOP stack (Reference Figure #1b). Prior to drilling out surface casing, test annular BOP to 600psi/30 min.

Completion: 7-1/16" 2000 psi (minimum) double gate BOP stack (Reference Figure #2). Prior to completion operations, test blind rams and casing to 1500 psi for 30 minutes; all pipe rams and casing to 1500 psi for 30 minutes each.

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

The annular BOP will be actuated to close on drill pipe (coiled tubing) at least once each day and to close on open hole once each trip to test proper functioning.

Additional information:

- * The Fruitland Coal formation will be completed.
- * Anticipated pore pressure for the Fruitland is 500 psi.
- * This gas is dedicated.
- * The east half of section 12 is dedicated to the Fruitland Coal.

Date: 8-10-01

Drilling Engineer: E. J. Giles