

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

CP

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
1400' FNL, 810' FEL
Latitude 36° 39.07, Longitude 107° 52.6

5. Lease Number
SF-077383
Unit Reporting Number

6. If Indian, All. or Tribe

7. Unit Agreement Name

8. Farm or Lease Name
Davidson JCD 28008

9. Well Number
#1R

10. Field, Pool, Wildcat
Fulcher Kutz Pict'd Cliffs

11. Sec., Twn, Rge, Mer. (NMPM)
H Sec. 22, T-28-N, R-10-W
API # 30-045-30498

12. County
San Juan

13. State
NM

14. Distance in Miles from Nearest Town
10 miles from Bloomfield, NM

15. Distance from Proposed Location to Nearest Property or Lease Line
810'

16. Acres in Lease

17. Acres Assigned to Well
160 NE/4

18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease
244'

19. Proposed Depth
2250' —

20. Rotary or Cable Tools
Rotary

21. Elevations (DF, FT, GR, Etc.)
5973' GR —

22. Approx. Date Work will Start

23. Proposed Casing and Cementing Program
See Operations Plan attached

24. Authorized by: Joel Farrell
Regulatory/Compliance Supervisor

Date 4/25/01

STAMP: APR 2001

STAMP: ALL INFORMATION AUTHORIZED ARE RELEASED IN COMPLIANCE WITH ATTACHED FEDERAL RECORDS

PERMIT NO. _____ APPROVAL DATE 4/25/01

APPROVED BY /s/ Joel Farrell TITLE _____ DATE APR 25

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
1625 N. French Dr., Hobbs, N.M. 88240

DISTRICT II
811 South First, Artesia, N.M. 88210

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

DISTRICT IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION

2040 South Pacheco
Santa Fe, NM 87505

Form C-102
Revised August 15, 2000

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045- 30498	² Pool Code 77200	³ Pool Name Fulcher Kutz Pictured Cliffs
⁴ Property Code 28008	⁵ Property Name DAVIDSON JCD	⁶ Well Number 1R
⁷ GRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL & GAS INC.	⁹ Elevation 5973

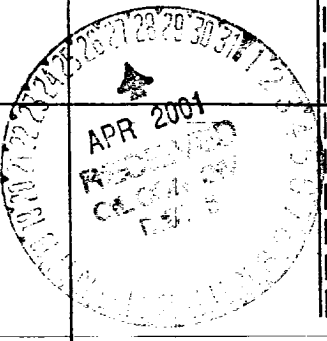
¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	22	28-N	10-W		1400	NORTH	810	EAST	SAN JUAN

¹¹ Bottom Hole Location If Different From Surface

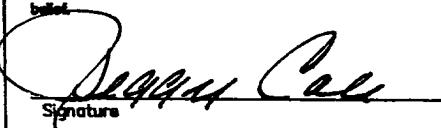
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
¹² Dedicated Acres NE/160			¹³ Joint or Infill		¹⁴ Consolidation Code		¹⁵ Order No.		

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 FD 2 1/2" GLO 1913 BRASS CAP	S 89°56'55" E 2639.59' (M)	FD 2 1/2" GLO 1913 BRASS CAP	S 89°52'45" E 2635.53' (M)	FD WC N 00°01' W 20.10' FD 3" GLO 1913 BRASS CAP
		1400'		
		SF-077383		
		810'		
		LAT: 36°39.07' N. LONG: 107°52.6' W.		
		N 00°01'12" E 2640.86' (M)		
22		FD 2 1/2" GLO 1913 BRASS CAP		

17 OPERATOR CERTIFICATION

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


Signature

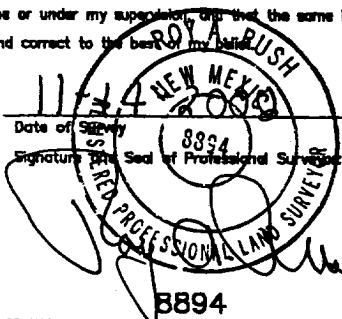
Peggy Cole
Printed Name


Regulatory Supervisor
Title

12-29-00
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.


Date of Survey


Signature and Seal of Professional Surveyor

8894
Certificate Number

BURLINGTON RESOURCES OIL & GAS, INC.

DAVIDSON JCD #1R

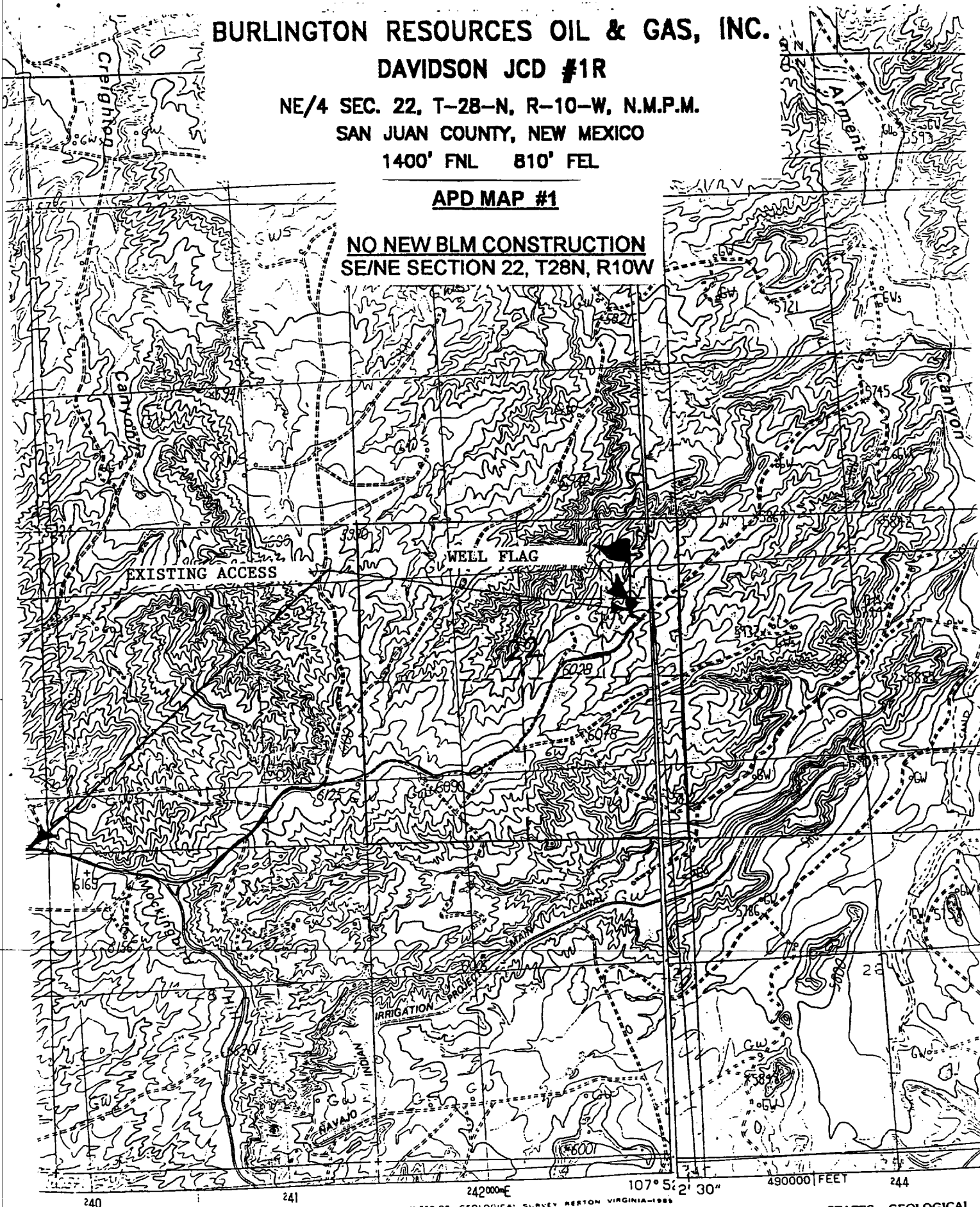
NE/4 SEC. 22, T-28-N, R-10-W, N.M.P.M.

SAN JUAN COUNTY, NEW MEXICO

1400' FNL 810' FEL

APD MAP #1

NO NEW BLM CONSTRUCTION
SE/NE SECTION 22, T28N, R10W



INTERIOR—GEOLOGICAL SURVEY RESTON VIRGINIA—1985

BY THE UNITED STATES GEOLOGICAL
SURVEY
FROM AERIAL PHOTOGRAPHS TAKEN
REDACTED 1981
MAP EDITED
TRANSCURSE M

OPERATIONS PLAN

Well Name: Davidson JCD #1R
Location: 1400'FNL, 810'FEL, Section 22, T-28-N, R-10-W
San Juan County, New Mexico
Latitude 36° 39.07'N, Longitude 107° 52.6'W
Formation: Fulcher Kutz Pictured Cliffs
Elevation: 5973'GR

Formation:	Top	Bottom	Contents
Surface	San Jose	977'	
Ojo Alamo	977'	1110'	aquifer
Kirtland	1110'	1590'	gas
Fruitland	1590'	2050'	gas
Pictured Cliffs	2050'		gas
Total Depth	2250'		

Logging Program: cased hole - CBL/GR/CCL TD to surface

Coring Program: None

Mud Program:

Interval	Type	Weight	Vis.	Fluid Loss
0- 120'	Spud	8.4-9.0	40-50	no control
120-2250'	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 - 120'	7"	20#	J-55
6 1/4"	0 - 2250'	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 @ 1110'. Two turbolizing type centralizers - one below and one into the base of the Ojo Alamo @ 1110'. 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 46 sx Class "H" cement with 1/4# flocele/sx and 3% calcium chloride (54 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/248 sx Class "G" TXI lightweight cement w/2.5% sodium metasilicate, 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, 2% calcium chloride, 1/4 pps flocele, 5 pps gilsonite, and 0.1% antifoam agent (756 cu.ft. of slurry, 100% excess to circulate to surface).

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 northeast quarter of Section 22 is dedicated to the Pictured Cliffs.

E. J. Giles
Drilling Engineer

12/29/00
Date