

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-0655-6B Unit Reporting Number
1b. Type of Well GAS	6. If Indian, All. or Tribe SF-078715
2. Operator BURLINGTON RESOURCES 14538 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 7133 Hubbell 9. Well Number 20
4. Location of Well 1065' FSL, 1085' FEL Latitude 36° 37.73, Longitude 107° 54.95	10. Field, Pool, Wildcat 77200 Fulcher Kutz Pic.Cliffs 11. Sec., Twn, Rge, Mer. (NMPM) P Sec 29, T-28-N, R-10-W API # 30-045-29441
14. Distance in Miles from Nearest Town 5 miles to Huerfano	12. County San Juan 13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1065'	
16. Acres in Lease	17. Acres Assigned to Well 160 SE/4
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 500'	
19. Proposed Depth 2200'	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 6014' GR	22. Approx. Date Work will Start DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS"
23. Proposed Casing and Cementing Program See Operations Plan attached	
24. Authorized by: <u>[Signature]</u> (Regulatory/Compliance Administrator)	<u>1-15-97</u> Date

PERMIT NO. _____ APPROVAL DATE MAR 17 1997
APPROVED BY /S/ Duane W. Spencer 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

NMOC

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

C/O [illegible]

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-045-2944	Pool Code 77200	Pool Name Fulcher Kutz Pictured Cliffs
Property Code 7133	Property Name Hubbell	Well Number 20
OGRID No. 14538	Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY	Elevation 6014'

10 Surface Location

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
P	29	28-N	10-W		1065	South	1085	East	S.J.

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Ida	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.
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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

16	5285.28'		17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. Signature: <u>Peggy Bradfield</u> Printed Name: <u>Peggy Bradfield</u> Title: <u>Regulatory Administrator</u> Date: <u>1-15-97</u>
5280.00'	29	SF-065546B	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. 12/23/96 Date of Survey Signature and Seal of Professional Surveyor NEALE C. EDWARDS NEW MEXICO 6857 6857 Certification Number
		1085'	
		1065'	
	5276.04		

OPERATIONS PLAN

Well Name: Hubbell #20
Location: 1065' FSL, 1085' FEL Section 29, T-28-N, R-10-W
 San Juan County, New Mexico
 Latitude 36° 37.73, Longitude 107° 54.95
Formation: Fulcher Kutz Pictured Cliffs
Elevation: 6014' GL

Formation:	Top	Bottom	Contents
Surface	Nacimiento	965'	
Ojo Alamo	965'	1108'	aquifer
Kirtland	1108'	1690'	
Fruitland	1690'	1985'	gas
Fruitland Coal	1876'	1983'	gas
Pictured Cliffs	1985'		gas
Total Depth	2200'		

Logging Program: Hi Res Ind, Den/Neut, MRL/GR to Total Depth.
Coring Program: Pictured Cliffs core from 1930-2020' (90')

Mud Program:

Interval	Type	Weight	Vis.	Fluid Loss
0-120'	Spud	8.4-9.0	40-50	no control
120-2200'	LSND	8.4-9.0	40-60	no control

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

Hole Size	Depth Interval	Csg. Size	Wt.	Grade
12 1/4"	0 - 120'	8 5/8"	23.0#	M-50
6 1/4"	0 - 2200'	3 1/2"	7.7#	WC-70

Tubing Program: -none

Float Equipment: 8 5/8" surface casing - saw tooth guide shoe.
 Centralizers will be run in accordance with Onshore Order #2.

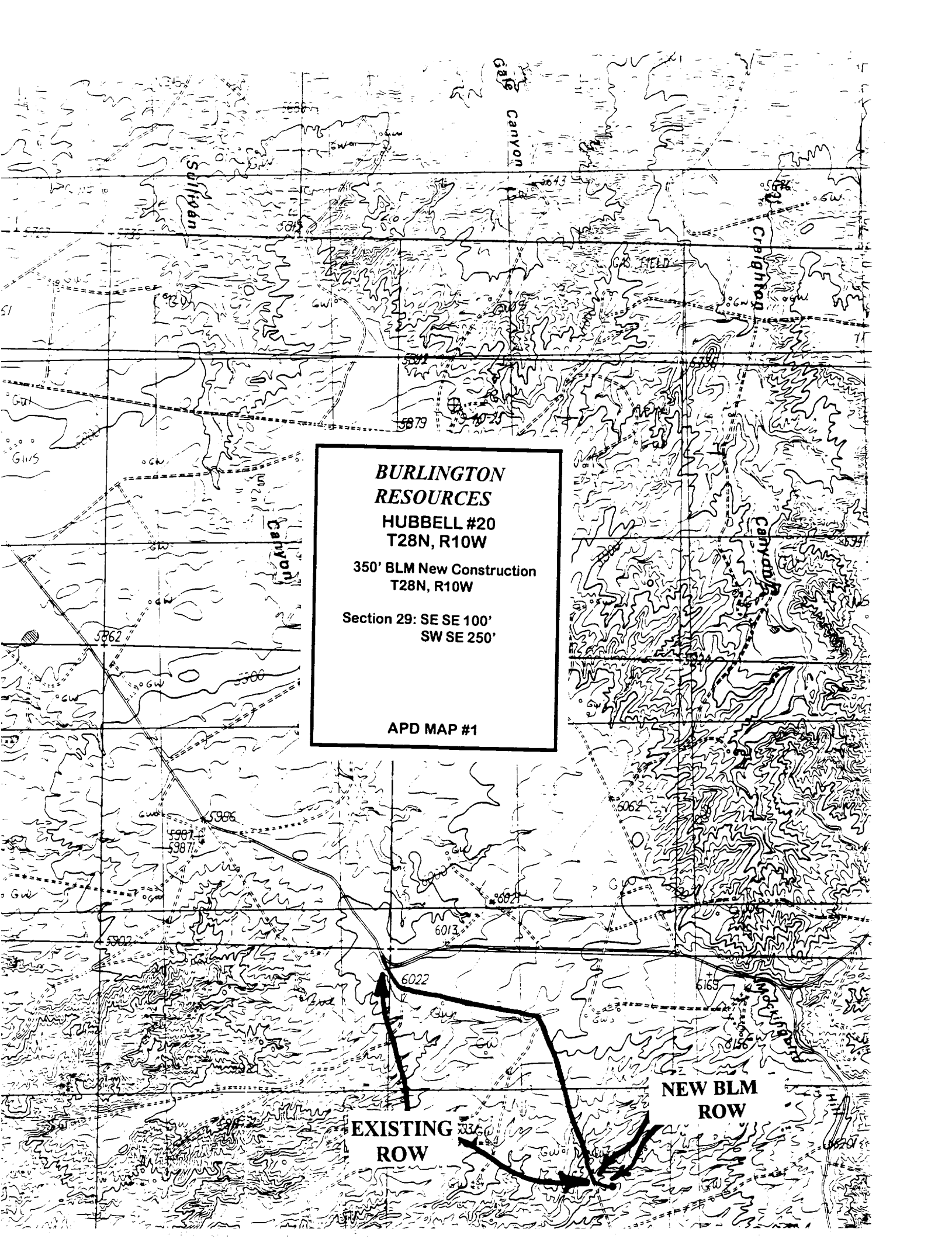
3 1/2" production casing - float shoe on bottom. Three centralizers run every other joint above shoe. Four centralizers run every 3rd joint to the base of the Ojo Alamo @ 1108'. Two turbolizing type centralizers - one below and one into the base of the Ojo Alamo @ 1108'. Standard centralizers thereafter every fourth joint up to the base of the surface pipe.

Wellhead Equipment: 8 5/8" x 3 1/2" x 11" 2000 psi screw on independent wellhead.

Cementing:

8 5/8" surface casing - cement with 129 sx Class "B" cement with 1/4# flocele/sx and 3% calcium chloride (149 cu.ft. of slurry, 200% excess to circulate to surface). WOC 12 hrs. Test casing to 600 psi for 30 minutes.

3 1/2" production casing - Lead w/251 sx of 65/35 Class "B" Poz w/6% gel, 2% calcium chloride, and 1/4# flocele/sx. Tail w/100 sx Class "B" w/2% calcium chloride (563 cu.ft. of slurry, 75% excess to circulate to surface). WOC 12 hrs. If cement does not circulate to surface, a CBL will be run during completion to determine TOC.



**BURLINGTON
RESOURCES**
HUBBELL #20
T28N, R10W

350' BLM New Construction
T28N, R10W

Section 29: SE SE 100'
SW SE 250'

APD MAP #1

**EXISTING
ROW**

**NEW BLM
ROW**