

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-078422
1b. Type of Well GAS	Unit Reporting Number
2. Operator <b>BURLINGTON RESOURCES</b> Oil & Gas Company	6. If Indian, All. or Tribe
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	7. Unit Agreement Name Huerfano Unit
4. Location of Well 790' FSL, 1290' FWL Latitude 36° 31.62, Longitude 107° 56.47	8. Farm or Lease Name 7139 Huerfano Unit
	9. Well Number 6R
14. Distance in Miles from Nearest Town 8 miles to Huerfano	10. Field, Pool, Wildcat 77206 Fulcher Kutz Pic.Cliffs
	11. Sec., Twn, Rge, Mer. (NMPM) Sec 31, T-27-N, R-10-W API # 80-045-29444
15. Distance from Proposed Location to Nearest Property or Lease Line 790'	12. County San Juan
16. Acres in Lease	13. State NM
17. Acres Assigned to Well 168.18 SW/4	
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 500'	
19. Proposed Depth 2400'	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 6519' GR	22. Approx. Date Work will Start
23. Proposed Casing and Cementing Program See Operations Plan attached	DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS"
24. Authorized by: <u>[Signature]</u> Regulatory/Compliance Administrator	Date <u>1-15-97</u>

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_  
APPROVED BY /s/ Duane W. Spencer TITLE \_\_\_\_\_ DATE MAR 18 1997

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

NMOCD

District I  
PO Box 1980, Hobbs, NM 88241-1980  
District II  
PO Drawer 88, 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

Form C-102  
Revised February 21, 1994  
Instructions on back  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

OIL CONSERVATION DIVISION  
PO Box 2088  
Santa Fe, NM 87504-2088

070 FULCHER KUTZ PICTURED CLIFFS, NM

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-045-29444	Pool Code 77200	Pool Name Fulcher Kutz Pictured Cliffs
Property Code 7139	Property Name Huerfano Unit	Well Number 6R
OGRID No. 14538	Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY	Elevation 6519'

10 Surface Location

UL or lot no.	Section	Township	Range	Lot Ids	Feet from the	North/South line	Feet from the	East/West line	County
M	31	27-N	10-W		790	South	1290	West	S.J.

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Ids	Feet from the	North/South line	Feet from the	East/West line	County

12 Dedicated Acres 168.18	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	5408.04'		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 Bradfield Printed Name Regulatory Administrator Title 1-15-97 Date
1			
2			
3	SF-078422		
4	5417.28'		
1290'			
790'			
5280.00'			
5280.00'			

RECEIVED  
MAR 24 1997  
OIL CON. DIV.  
DIST. 3

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.  
11/25/96  
Date of Survey  
Signature and Seal of Professional Surveyor  
NEALE C. EDWARDS  
NEW MEXICO  
6857  
6857  
Certification Number

OPERATIONS PLAN

**Well Name:** Huerfano Unit #6R  
**Location:** 790' FSL, 1290' FWL Section 31, T-27-N, R-10-W  
 San Juan County, New Mexico  
 Latitude 36° 31.62, Longitude 107° 56.47  
**Formation:** Fulcher Kutz Pictured Cliffs  
**Elevation:** 6519' GL

Formation:	Top	Bottom	Contents
Surface	Nacimiento	1052'	
Ojo Alamo	1052'	1185'	aquifer
Kirtland	1185'	1857'	
Fruitland	1857'	2080'	gas
Fruitland Coal	1890'	2073'	gas
Pictured Cliffs	2080'		gas
Total Depth	2400'		

**Logging Program:** Hi Res Ind, Den/Neut, MRL/GR to Total Depth.

**Mud Program:**

Interval	Type	Weight	Vis.	Fluid Loss
0- 120'	Spud	8.4-9.0	40-50	no control
120-2400'	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 - 2400'	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 @ 1185'. Two turbolizing type centralizers - one below and one into the base of the Ojo Alamo @ 1185'. 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/280 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 (614 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**

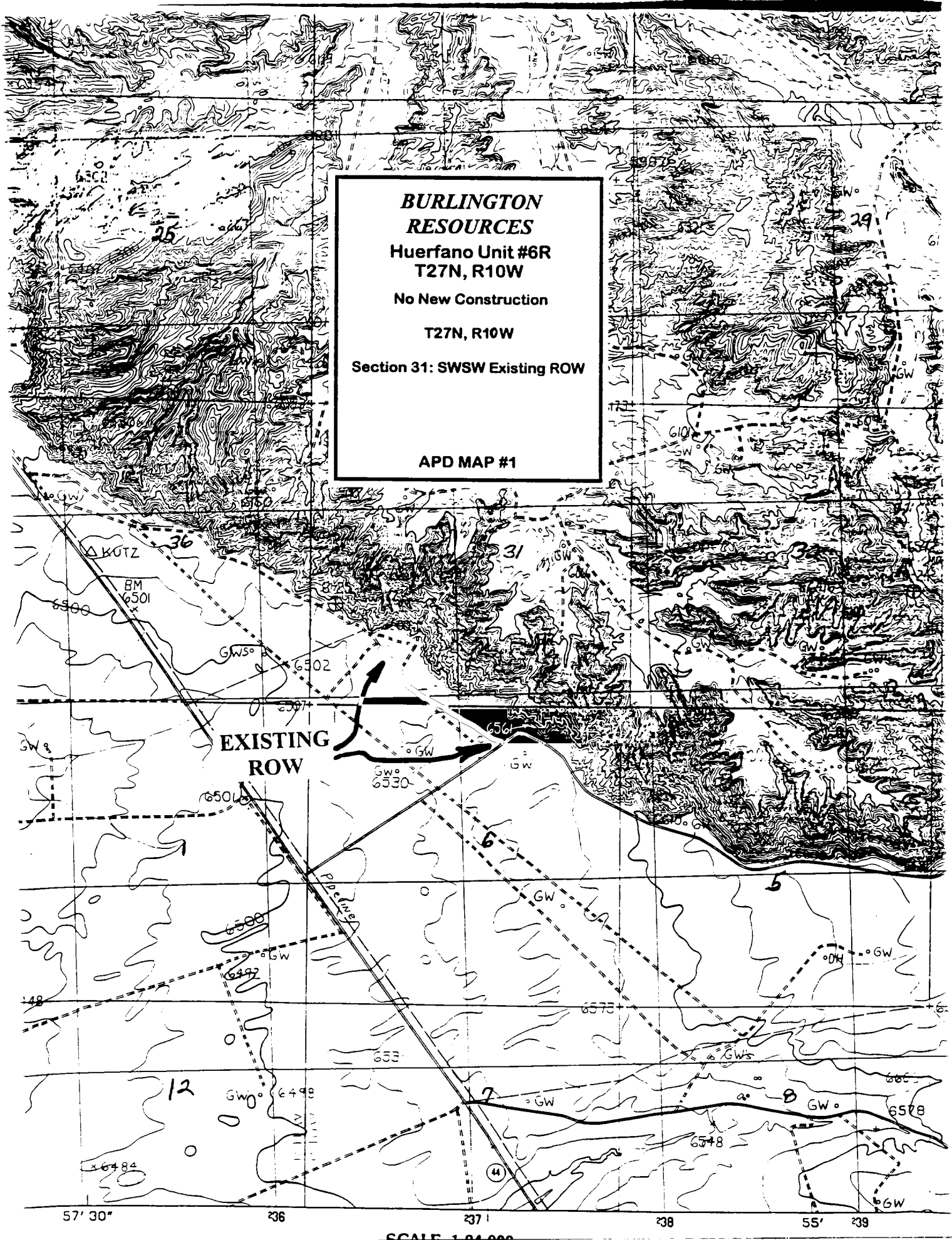
**Huerfano Unit #6R  
T27N, R10W**

**No New Construction**

**T27N, R10W**

**Section 31: SWSW Existing ROW**

**APD MAP #1**



57° 30"

36

37

38

55'

39

SCALE 1" = 100'