

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-078135 Unit Reporting Number	
1b. Type of Well GAS	6. If Indian, All. or Tribe	
2. Operator BURLINGTON RESOURCES Oil & Gas Company 14538	7. Unit Agreement Name Huerfanito Unit	
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name 7138 Huerfanito Unit 9. Well Number 70R	
4. Location of Well 1610' FNL, 1645' FEL Latitude 36° 30.33, Longitude 107° 46.30	10. Field, Pool, Wildcat 71439 Ballard Pic. Cliffs 11. Sec., Twn, Rge, Mer. (NMPM) G Sec 10, T-26-N, R-9-W API # 30-045-29436	
14. Distance in Miles from Nearest Town 1610' FNL, 1645' FEL	12. County San Juan	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1610	17. Acres Assigned to Well 160 NE/4	
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 600'	20. Rotary or Cable Tools Rotary	
19. Proposed Depth 2250'	21. Elevations (DF, FT, GR, Etc.) 6293' GR	
23. Proposed Casing and Cementing Program See Operations Plan attached	22. Approx. Date Work will Start 1-15-97	
24. Authorized by: <u>[Signature]</u> Regulatory/Compliance Administrator	DATE <u>1-15-97</u>	

PERMIT NO. _____

APPROVAL DATE

FEB 21 1997

APPROVED BY

/s/ Duane W. Spencer

TITLE

DATE **FEB 21 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

Hold e-104 For Tubingless Completion

AIMOCD

RECEIVED
FEB 24 1997

OIL CON. DIV.

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 - 5 Copies

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-045-29436	Pool Code 71439	Pool Name Ballard Pictured Cliffs
Property Code 7138	Property Name Huerfanito Unit	Well Number 70R
OGRID No. 14538	Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY	Elevation 6293'

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
G	10	26-N	9-W		1610	North	1645	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 1.60	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	5198.16'	17 OPERATOR CERTIFICATION
	1610'	I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.
	1645'	Signature Peggy Bradfield
	SF-078135	Printed Name Regulatory Administrator
	10	Title 1-15-97
5280.66'		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.
		11/27/96
		Date of Survey
		Signature and Seal of Professional Surveyor
		NEALE C. EDWARDS NEW MEXICO 6857 6857 Certificate Number
	5204.76'	

OPERATIONS PLAN

Well Name: Huerfanito Unit #70R
Location: 1610' FNL, 1645' FEL Section 10, T-26-N, R-9-W
 San Juan County, New Mexico
 Latitude 36° 30.33, Longitude 107° 46.30
Formation: Ballard Pictured Cliffs
Elevation: 6293'GL

Formation:	Top	Bottom	Contents
Surface	Nacimiento	1170'	
Ojo Alamo	1170'	1279'	aquifer
Kirtland	1279'	1727'	
Fruitland	1727'	2007'	gas
Fruitland Coal	1934'	1997'	gas
Pictured Cliffs	2007'		gas
Total Depth	2250'		

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
120-2250'	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 - 2250'	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.

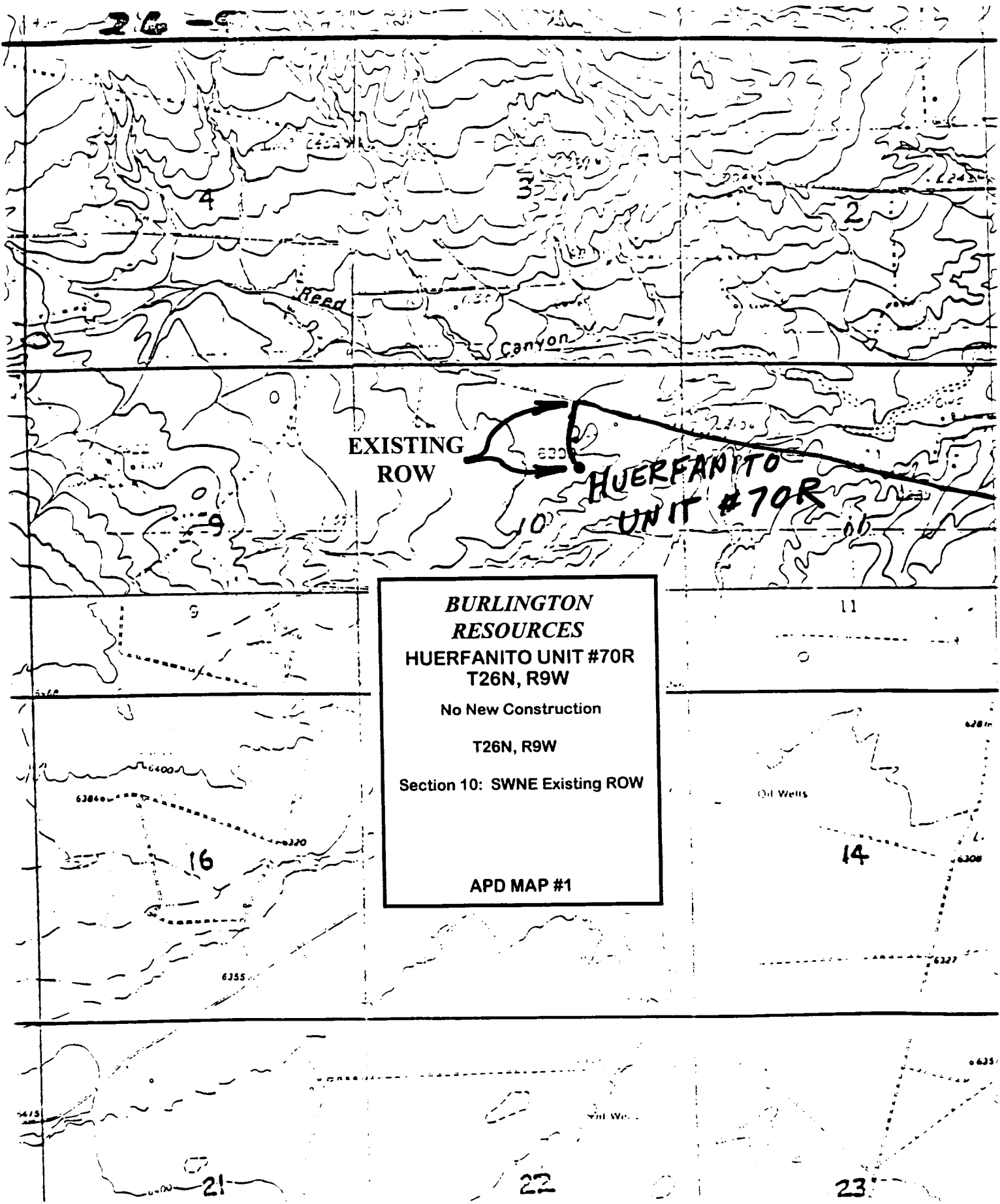
3 1/2" production casing - float shoe on bottom. Three centralizers run every other joint above shoe. Four centralizers run every 3rd joint to the base of the Ojo Alamo @ 1279'. Two turbolizing type centralizers - one below and one into the base of the Ojo Alamo @ 1279'. Standard centralizers thereafter 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/259 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 (576 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.



26 - 5

EXISTING
ROW

HUERTANITO
UNIT #70R

**BURLINGTON
RESOURCES**
HUERTANITO UNIT #70R
T26N, R9W

No New Construction

T26N, R9W

Section 10: SWNE Existing ROW

APD MAP #1

Oil Wells