UNIT ED STATES DEPARTMENT OF THE INTERIOR **BUREAU OF LAND MANAGEMENT**

a.	Type of Work	5. Lease Number	
φ.	DRILL	070 Fargues April SF-065557A Unit Reporting Number	
b.	Type of Well GAS	6. If Indian, All. or Tribe	
2.	Operator BURLINGTON RESOURCES Oil &	7. Unit Agreement Name	
3.	Address & Phone No. of Operator PO Box 4289, Farmingto		
	(505) 326-9700	08.00N DW #4R	
1.	Location of Well 1695'FNL, 1820'FWL Latitude 36° 43.7, Longi	10. Field, Pool, Wildcat Fulcher Kutz Pict'd Cli 11. Sec., Twn, Rge, Mer. (NMPM)	
14.	Distance in Miles from Nearest To 7 miles from Farmington	own 12. County 13. Star San Juan	te NM
15.	Distance from Proposed Location 1695'	n to Nearest Property or Lease Line	,
16.	Acres in Lease	17. Acres Assigned to Well 162.66 NW/4	
18.	Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease		
19.	Proposed Depth 1922'	20. Rotary or Cable Tools Rotary	
21.	Elevations (DF, FT, GR, Etc.) 5655' GR	22. Approx. Date Work will Star	rt
23.	Proposed Casing and Cementing See Operations Plan at		PE CHED
24.	Authorized by: Regulatory/	Compliance Supervisor Date	
DERN	AIT NO.	APPROVAL DATE(0/29/01	

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.

Tivis action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4%

State of New Mexico District I Form C-102 PO Box 1980, Hobbs, NM 88241-1980 Revised February 21, 1994 Energy, Minerals & Natural Resources Department Instructions on back District II PO Drawer DD, Artesia, NM 88211-0719 Submit to Appropriate District Office OIL CONSERVATION DIVISION PO Box 2008 SEP 21 ... 4:09 State Lease - 4 Copies Fee Lease - 3 Copies District III 1000 Rio Brazos Rd., Aztec, NM 87410 Santa Fe. NM 87504-2088 AMENDED REPORT District IV PO Box 2088, Santa Fe, NM 87504-2088 WELL LOCATION AND ACREAGE DEDICATION PLAT *Pool Code Pool Name API Number 30-045- 30 84 Fulcher Kutz Pictured Cliffs Well Number 77200 Property Code Property Name CORNELL 4R 6928 Elevation Operator Name 'OGRID No. BURLINGTON RESOURCES OIL & GAS COMPANY LP 5655' 14538 ¹⁰ Surface Location Feet from the North/South line East/West line County Lot Ido Feet from the UL or lot no. Section Township flange NORTH 1820 WEST SAN JUAN 29N 12W 1695 14 ¹¹Bottom Hole Location If Different From Surface North/South line Feet from the Feet from the East/West line County Section UL or lot no. 13 Joint or Infill 14 Consolidation Code ⁹⁵ Order No. 12 Dedicated Acres NW/4 162.66NO 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 5446.32' I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief LOT 2 IOT 1 Peggy Cole Printed Name 1820' LAT: 36 43.7 N LONG: 108 04.2 W 6 Regulatory Supervisor Title LOT 4 LOT 3 Date SURVEYOR CERTIFICATION I hereby certify that the well location shown on this pla 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. LOT 7 10T 8 LOT 10 LOT 9 JUNE 7, 2001

LOT 13

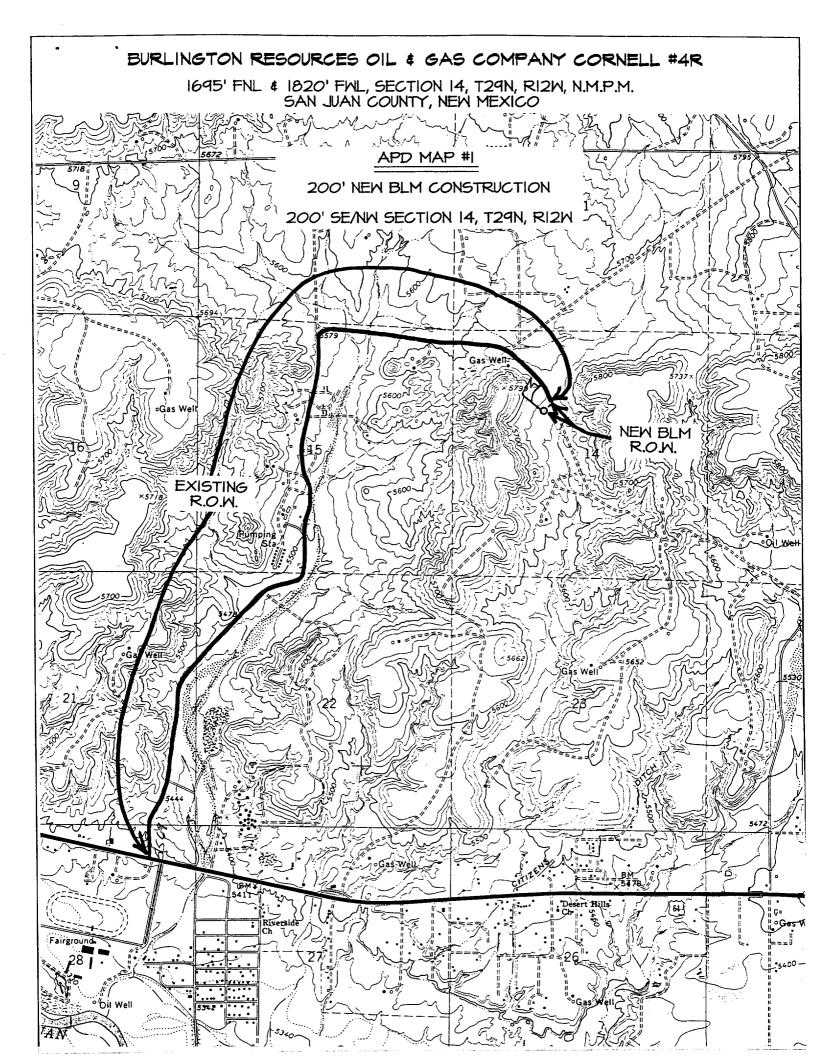
5426.52

10T 12

LOT 11

LOT 14

6857



OPERATIONS PLAN

Well Name: Cornell #4R

1695'FNL, 1820'FWL, Section 14, T-29-N, R-12-W Location:

San Juan County, New Mexico Latitude 36° 43.7', Longitude 108° 04.2'

Formation: Fulcher Kutz Pictured Cliffs

Elevation: 5655'GR

Formation:	Top	Bottom	Contents
Surface	San Jose	389 '	
Ojo Alamo	389 '	518 '	aquifer
Kirtland	518 '	1121'	gas
Fruitland	1121'	1722'	gas
Pictured Cliffs	1722'		gas
Total Depth	1922'		

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

None Coring Program:

Mud Program:

Interval	Туре	Weight	Vis.	Fluid Loss
0- 120'	Spud		40-50	no control
120-1922'	FW	8.4-9.0	32-45	no control

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

Hole Size	Depth Interval	Csg.Size	<u>Wt.</u>	<u>Grade</u>
9 7/8"	0 - 120'	7"	20#	J-55
6 1/4"	0 - 1922 '	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 @ 518'. Two turbolizing type centralizers one below and one into the base of the Ojo Alamo @ 518'. 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 27 sx Class A, B Portland Type I, II cement (32 cu.ft. of slurry, bring cement to surface through 34" line). WOC 8 hrs. Test casing to 600 psi for 30 minutes.

2 7/8" production casing - Lead w/244 sx Premium Lite cement w/3% calcium chloride, 1/4 pps flocele, 5 pps LCM-1, 0.4% FL-52, and 0.4% SMS. Tail w/90 sx Type III cement w/1% calcium chloride, 1/4 pps flocele, and 0.2% FL-52 (646 cu.ft. of slurry, 100% excess to circulate to surface).

> 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.

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. Same as in original APD operations plan.

From surface to TD: choke manifold (Reference Figure #3). Same as in original APD operations plan.

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 Pictured Cliffs formation will be completed.
- Anticipated pore pressure for the Pictured Cliffs is 500 psi.
- * This gas is dedicated.
- * The northwest quarter of Section 14 is dedicated to the Pictured Cliffs.

Eric J. Diles	9 (20/01
Drilling Engineer	Date