

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-078421 Unit Reporting Number
1b. Type of Well GAS	6. If Indian, All. or Tribe
2. Operator BURLINGTON RESOURCES 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 McAdams A 9. Well Number #1R
4. Location of Well 1130' FSL, 705' FWL Latitude 36° 33.4, Longitude 107° 49.1	10. Field, Pool, Wildcat Ballard Pictured Cliffs 11. Sec., Twn, Rge, Mer. (NMPM) Sec. 20, T-27-N, R-9-W API # 30-045-30162
14. Distance in Miles from Nearest Town 11 mi from Huerfano Trading Post	12. County San Juan 13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 705'	
16. Acres in Lease	17. Acres Assigned to Well 160 SW/4
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 1000'	
19. Proposed Depth 2470'	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 6415' GL	22. Approx. Date Work will Start
23. Proposed Casing and Cementing Program See Operations Plan attached	
24. Authorized by: <u><i>Dorcas Cale</i></u> Regulatory/Compliance Administrator	<u>2-25-00</u> Date

PERMIT NO. _____

APPROVAL DATE _____

APPROVED BY /s/ Charlie Beecham

TITLE _____

DATE APR - 5 2000

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.

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District I
PO Box 1980, Hobbs, NM 88241-1980

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

District II
PO Drawer 00, Artesia, NM 88211-0719

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

District III
1000 Rio Brazos Rd., Aztec, NM 87410

District IV
PO Box 2088, Santa Fe, NM 87504-2088

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-045- 30162		*Pool Code 71439	*Pool Name Ballard Pictured Cliffs
*Property Code 7296	*Property Name McADAMS A		*Well Number 1R
*GRID No. 14538	*Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY		*Elevation 6415'

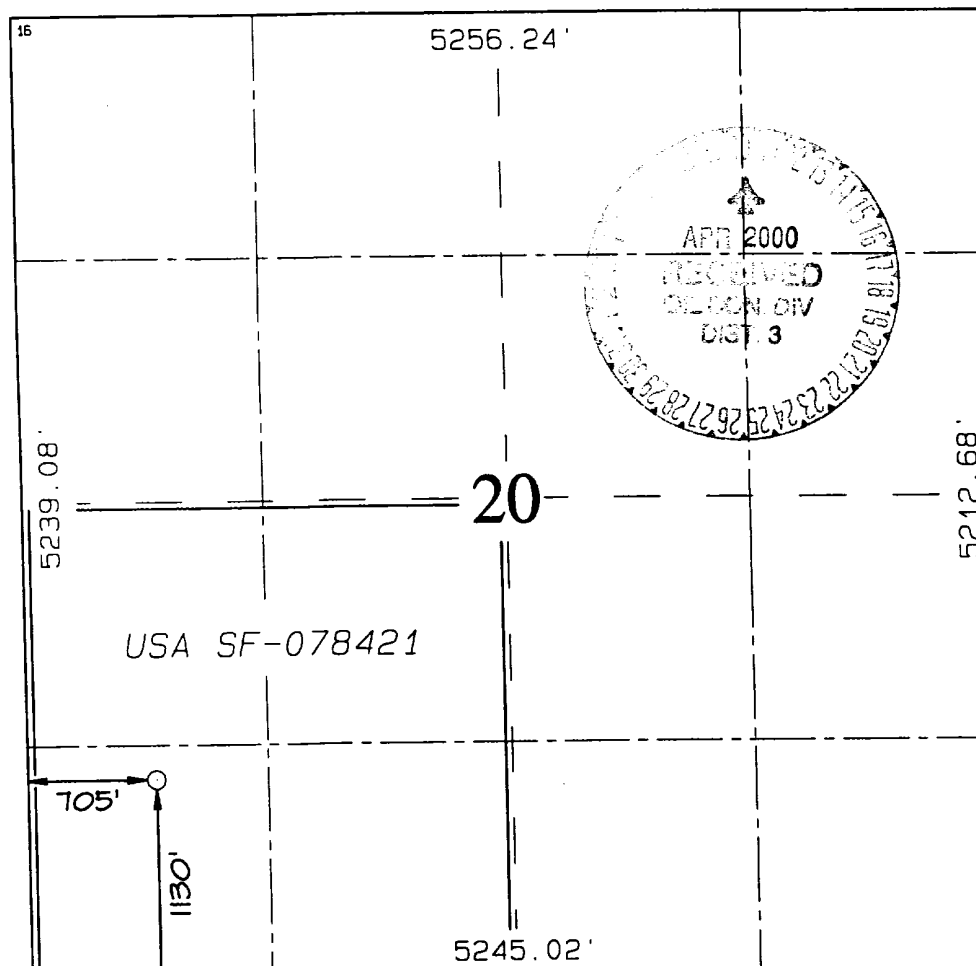
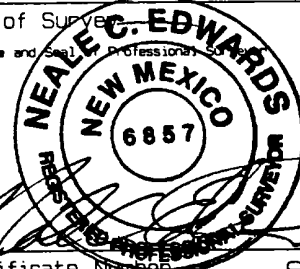
¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	20	27N	9W		1130	SOUTH	705	WEST	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 SW/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

<div><p>¹⁶</p></div>	<div><p>¹⁷ OPERATOR CERTIFICATION</p><p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</p><p><i>Peggy Cole</i> Signature Peggy Cole Printed Name Regulatory Administrator Title 2-28-00 Date</p></div> <div><p>¹⁸ SURVEYOR CERTIFICATION</p><p>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.</p><p>JANUARY 5, 2000 Date of Survey <i>NEALE C. EDWARDS</i> Signature and Seal of Professional Surveyor  Certificate Number 6857</p></div>
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OPERATIONS PLAN

Well Name: McAdams A #1R
Location: 1130' FSL, 705' FWL, Section 20, T-27-N, R-9-W
San Juan County, New Mexico
Latitude 36° 33.4, Longitude 107° 49.1
Formation: Ballard Pictured Cliffs
Elevation: 6415' GL

Formation:	Top	Bottom	Contents
Surface	San Jose	1350'	
Ojo Alamo	1350'	1491'	aquifer
Kirtland	1491'	1887'	
Fruitland	1887'	2270'	gas
Pictured Cliffs	2270'		gas
Total Depth	2470'		

Logging Program: ~~None~~ Csd hole GR/CCL CEH 3/8/00

Coring Program: None

Mud Program:

<u>Interval</u>	<u>Type</u>	<u>Weight</u>	<u>Vis.</u>	<u>Fluid Loss</u>
0- 120'	Spud	8.4-9.0	40-50	no control
120-2470'	FW	8.4-9.0	32-45	no control

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

<u>Hole Size</u>	<u>Depth Interval</u>	<u>Csq. Size</u>	<u>Wt.</u>	<u>Grade</u>
7 7/8"	0 - 120'	5 1/2"	15.5#	J-55
4 3/4"	0 - 2470'	2 7/8"	6.4#	J-55

Float Equipment: 5 1/2" 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 @ 1491'. Two turbolizing type centralizers - one below and one into the base of the Ojo Alamo @ 1491'. Standard centralizers thereafter every fourth joint up to the base of the surface pipe.

Wellhead Equipment: 7 7/8" x 2 7/8" 2000 psi screw on independent wellhead.

Cementing:

5 1/2" surface casing - cement with 53 sx Class "B" cement with 1/4# flocele/sx and 3% calcium chloride (62 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/104 sx Class "B" w/3% sodium metasilicate, 1/4 pps cellophane and 5 pps gilsonite. Tail w/50 sx 50/50 Class "B" Poz w/2% gel, 1/4 pps cellophane, 5 pps gilsonite and 2% calcium chloride (385 cu.ft. of slurry, 100% excess to circulate to surface). WOC 8 hrs. If cement does not circulate to surface, a CBL will be run during completion to determine TOC.

BOP and tests:

Surface to TD - 11" 2000 psi (minimum double gate BOP stack (Reference Figure #1 and #2). Prior to drilling out surface casing, test rams to 600 psi/30 min.

Completion - 6" 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 600 psi.
- * This gas is dedicated.
- * The southwest quarter of section 20 is dedicated to the Pictured Cliffs.

Steve Capbell
Drilling Engineer

2/28/2000
Date

1130' FSL & 705' FWL, SECTION 20, T27N, R9W, N.M.P.M.
SAN JUAN COUNTY, NEW MEXICO

700' NEW BLM CONSTRUCTION
SW/SW SECTION 20, T27N, R9W.

