UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

1a.	Type of Work DRILL	5. Lease Number SF-078135 Unit Reporting Number
1b.	Type of Well	6. If Indian, All. or Tribe
	GAS	ملحمان
2.	Operator	7. Unit Agreement Name
2 .	BURLINGTON RESOURCES Oil & Gas Company FEB	2001 Huerfanito Unit
3.	Address & Phone No. of Operator	Farm or Lease Name
•		
-	v v v v v v v v v v v v v v v v v v v	9. Well Number #169
	(505) 326-9700	7.27 61 62
4.	Location of Well	10. Field, Pool, Wildcat
	670'FSL, 1585'FWL	Basin Fruitland Coal 11. Sec., Twn, Rge, Mer. (NMPM)
	Latitude 36° 31.6'N, Longitude 107° 46.	
	Latitude 36° 31.6 N, Longitude 107 40.	API# 30-045- 3050 3
		12. County 13. State
14.	Distance in Miles from Nearest Town 27 miles from Bloomfield P.O.	12. County 13. State San Juan NM
15.	Distance from Proposed Location to Nearest Property	or Lease Line
16.	Acres in Lease	17. Acres Assigned to Well
		320 W/2
18.	Distance from Proposed Location to Nearest Well, Dri	g, Compl, or Applied for on this Lease
	440' This separate in the Language	5581 325
19.	Proposed Depth 2313' and special purposes to the 43 C	ର ଏହି ଅଟେଥରି. Rotary or Cable Tools ୧୫ ୫୧୫.୫. Rotary
	2313	·
21.	Elevations (DF, FT, GR, Etc.)	22. Approx. Date Work will Start
	6492' GR —	
23.	Proposed Casing and Cementing Program	DRILLING OFFICE OF A CONTROL OF THE PROPERTY O
	See Operations Plan attached	SUBJECT TO CINITIAN ALL WARM A
		"GENERAL REQUESTIVES"
		12-8-00
24.	Authorized by:	
	Regulatory/Compliance Supe	rvisor Date
		DDOVAL DATE
DERI	MIT NO AP	PROVAL 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
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.

DISTRICT | P.O. Box 1980, Hobbs, N.M. 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

DISTRICT II P.O. Drawer DD, Artesia, N.M. 88211-0719

OIL CONSERVATION DIVISION P.O. Box 2088 Santa Fe, NM 87504-2088

☐ AMENDED REPORT

Fee Lease - 3 Copies

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

1000 Rio Brozos Rd., Aztec, N.M. 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

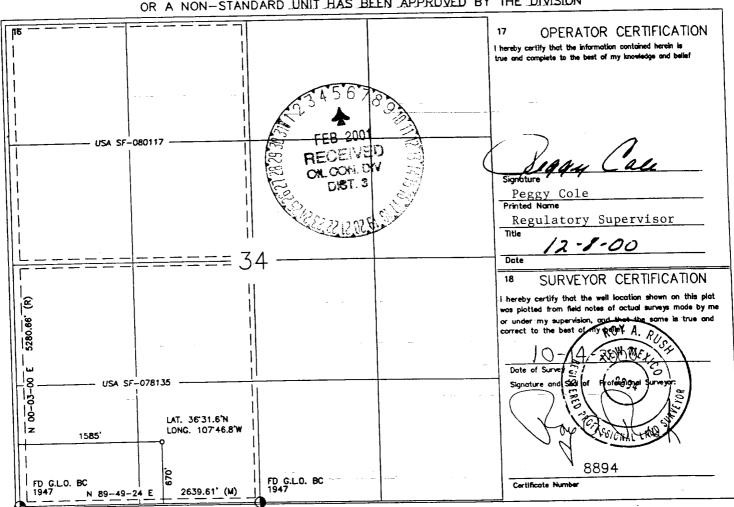
1 API Number	² Pool Code 71629	Pool Name Basin Fruitland Coal	
30-045- 30505 Property Code 7138	\$F	Property Name FANITO UNIT	^s Well Number 169
70GRID No.		Operator Name OURCES OIL & GAS, INC.	³ Elevotion 6492'—

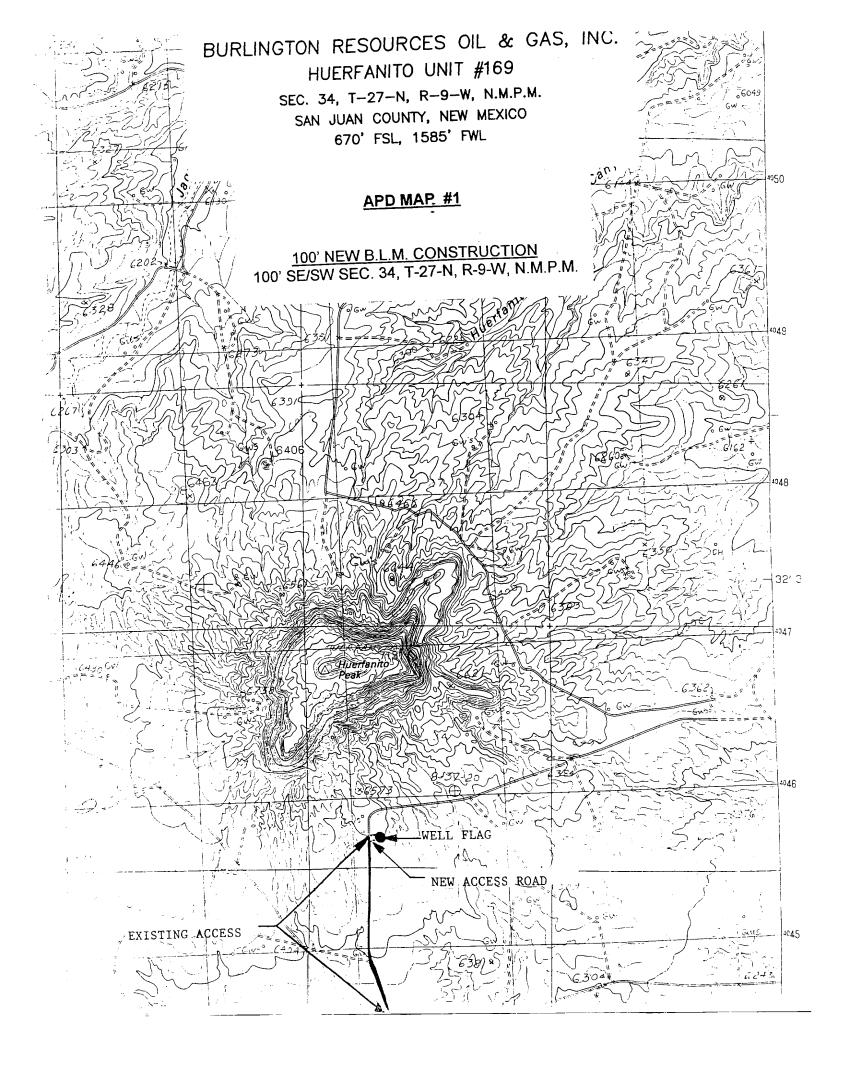
¹⁰ Surface Location East/West line County North/South line Feet from the Feet from the Township Ronge Lot Idn UL or lot no. Section SAN JUAN 1585' SOUTH WEST 670' 9-W 27-N 34 Ν

11 Bottom Hole Location of 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		13 Je	oint or Infill		¹⁴ Consolidation Co	de	¹⁵ Order No.		_1
W/320									

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





OPERATIONS PLAN

Well Name: Huerfanito Unit #169

Location: 670'FSL, 1585'FWL Section 34, T-27-N, R-9-W

Latitude 36° 31.6'N, Longitude 107° 46.8'W

San Juan County, NM

Formation: Basin Fruitland Coal

Elevation: 6492'GL

Formation:	Top	Bottom	Contents
Surface Ojo Alamo Kirtland Fruitland Pictured Cliffs Total Depth	San Jose 1375' 1515' 2089' 2267' 2313'	1375' 1515' 2089' 2267' 2313'	aquifer gas gas gas

Logging Program: Platform Express from TD to surface.

Mudlog: 2 Man unit from Ojo Alamo to TD.

Coring Program: none

Mud Program:

Interval	Type	Weight	Vis.	Fluid Loss
0- 120'	Spud	8.4-9.0	40-50	no control
	Non-dispersed	8.4-9.5	30-60	no control

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

casing rrogram		•		_
Hole Size	Depth Interval	Csg.Size	Wt.	<u>Grade</u>
8 3/4"	0' - 120'	7"	20.0#	J-55
6 1/4"	0' - 2313'	4 1/2"	10.5#	K-55
÷ =, -	0 2313	, -		
Tubing Program:	22121	2 3/8"	4.7#	T-55
	0' - 2313'	2 3/0	4.7#	0-33

Float Equipment: 7" surface casing - saw tooth guide shoe. Centralizers will be run in accordance with Onshore Order #2.

4~%'' production casing - guide shoe and self-fill float collar. Three centralizers run every fourth joint above shoe. Two turbolizing type centralizers - one below and one into the base of the Ojo Alamo @ 1515'. Standard centralizers thereafter every fourth joint up to the base of the surface pipe.

Wellhead Equipment: 7" x 4 ½" x 2 3/8" x 11" 2000 psi xmas tree assembly.

Cementing:

7" surface casing - cement with 46 sx Class "B" cement with 1/4# flocele/sx and 3% calcium chloride (54 cu.ft. of slurry, 200% excess to circulate to surface). WOC 8 hrs. Test casing to 600 psi/30 minutes.

4 ½" production casing - lead w/145 sacks Class "B" with 37 #/sx blended silicalite, 3% bentonite, and 4% calcium chloride. Tail with 90 sacks 50/50 Class "B" Pozmix with 2% gel, 2% calcium chloride, 1/4 #/sack flocele, 5 pps gilsonite (475 cu.ft., 100 % excess to circulate to surface).

Note: 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#/30 min.

Completion - 7 1/6" 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.

From surface to TD - choke manifold (Reference Figure #3).

Pipe rams will be actuated at 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 Fruitland Coal formation will be completed.
- * Anticipated pore pressure for the Fruitland is 570 psi.
- * This gas is dedicated.
- * The west half of section 34 is dedicated to the Fruitland Coal.

Date:	12120100	Drilling Engineer:	E. J. Diles
		3 3	