

District I
PO Box 1980, Hobbs, NM 88241-1980
District II
811 S. 1st Street, Artesia, NM 88210-2834
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Form C-101
Revised October 18, 1994

Instructions on back
Submit to Appropriate District Office
State Lease - 6 Copies
Fee Lease - 5 Copies

☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

¹ Operator name and Address BURLINGTON RESOURCES OIL & GAS COMPANY P.O. Box 51810 Midland, TX 79710-1310		² OGRID Number 26485
⁴ Property Code 23849	⁵ Property Name MERPHAN 16 STATE	⁶ Well No. 1

⁷ Surface Location									
UL or lot no.	Section	Township	Range	Lot. Idn	Feet from the	North/South Line	Feet from the	East/West line	County
E	16	26S	31E		1800	NORTH	810	WEST	EDDY

⁸ Proposed 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
K	16	26S	31E		1675	SOUTH	1980	WEST	EDDY
⁹ Proposed Pool 1 PHANTOM DRAW WOLFCAMP GAS 82840					¹⁰ Proposed Pool 2				

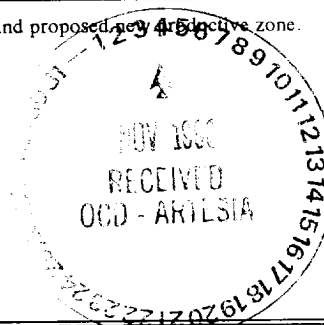
¹¹ Work Type Code N	¹² Well Type Code G	¹³ Cable/Rotary R	¹⁴ Lease Type Code S	¹⁵ Ground Level Elevation 3212'
¹⁶ Multiple NO	¹⁷ Proposed Depth 14,715' MD, 12,700' TVD	¹⁸ Formation WOLFCAMP	¹⁹ Contractor PATTERSON DRLG. CO.	²⁰ Spud Date 12-1-98

²¹ Proposed Casing and Cement Program					
Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
17-1/2"	13-3/8"	48#	400'	375 SXS	SURFACE
12-1/4"	9-5/8"	36#	4100'	1200 SXS	SURFACE
8-3/4"	7"	26#	12,300'	600 SXS	6500'
6-1/8"	4-1/2' LINER	15.1#	12,000' - 14,715'	NONE	
18 Hours	WOC				

²² Describe the proposed program. If this application is to DEEPEN or PLUG BACK give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary

HORIZONTAL WELL
STATE LEASE NO. V04509
SEE ATTACHED LIST OF GEOLOGIC TOPS.
SEE ATTACHED BOP PROGRAM & SKETCHES.
PILOT HOLE VERTICAL PORTION 12,800' MD & TVD.
HORIZONTAL PORTION OF HOLE 14,715' MD, 12,700' TVD.

Post ID-1
11-6-98
API + Loc



²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief.

Signature: *Maria L. Perez*
Printed name: MARIA L. PEREZ
Title: REGULATORY REPRESENTATIVE

OIL CONSERVATION DIVISION	
Approved by: <i>Jim W. Gunn</i>	B6A
Title: <i>District Supervisor</i>	
Approval Date: 11-5-98	Expiration Date: 11-5-99

C-101 Instructions

Measurements and dimensions are to be in feet/inches. Well locations will refer to the New Mexico Principal Meridian.

IF THIS IS AN AMENDED REPORT CHECK THE BOX LABELED
"AMENDED REPORT" AT THE TOP OF THIS DOCUMENT.

- 1 Operator's OGRID number. If you do not have one it will be assigned and filled in by the District office.
- 2 Operator's name and address
- 3 API number of this well. If this is a new drill the OCD will assign the number and fill it in.
- 4 Property code. If this is a new property the OCD will assign the number and fill it in.
- 5 Property name that used to be called 'well name'
- 6 The number of this well on the property.
- 7 The surveyed location of this well New Mexico Principal Meridian NOTE: If the United States government survey designates a Lot Number for this location use that number in the 'UL or lot no.' box. Otherwise use the OCD Unit Letter.
- 8 The proposed bottom hole location of this well at TD
- 9 and 10 The proposed pool(s) to which this well is being drilled.
- 11 Work Type code from the following table:
N New well
E Re-entry
D Drill deeper
P Plugback
A Add a zone
- 12 Well type code from the following table:
O Single oil completion
G Single gas completion
M Multiple completion
I Injection well
S SWD well
W Water supply well
C Carbon dioxide well
- 13 Cable or rotary drilling code
C Propose to cable tool drill
R Propose to rotary drill
- 14 Lease type code from the following table:
S State
P Private
- 15 Ground level elevation above sea level
- 16 Intend to multiple complete? Yes or No
- 17 Proposed total depth of this well
- 18 Geologic formation at TD
- 19 Name of the intended drilling company if known
- 20 Anticipated spud date
- 21 Proposed hole size ID inches, proposed casing OD inches, casing weight in pounds per foot, setting depth of the casing or depth and top of liner, proposed cementing volume, and estimated top of cement.
- 22 Brief description of the proposed drilling program and BOP

program. Attach additional sheets if necessary.

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The signature, printed name, and title of the person authorized to make this report. The date this report was signed and the telephone number to call for questions about this report.