

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-101  
Revised February 10, 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

Operator Name and Address: YATES PETROLEUM CORPORATION 105 South Fourth Street Artesia, New Mexico 88210		OGRID Number 1025575
Property Code	Property Name Pathfinder APT State	API Number 20-005-62795
		Well No. 9

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
N	21	10S	27E		660'	South	2200'	West	Chaves

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	21	10S	27E		1520'	South	2600'	West	Chaves

Proposed Pool 1 Diablo Fusselman Associated	Proposed Pool 2
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Work Type Code E	Well Type Code O	Cable/Rotary R	Lease Type Code S	Ground Level Elevation 3822' GR
Multiple No	Proposed Depth TVD 6350' MD 7250'	Formation Fusselman	Contractor Unknown	Spud Date ASAP

21 Proposed Casing and Cement Program					
Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
14 3/4"	10 3/4"	40.5#	997'-In place	775 sx	Circulated
9 1/2"	7 3/8"	26.4# & 27.9#	6410'-In place	1825 sx	Circulated
	Open hole			None	

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.

SEE ATTACHED PAGE 2 FOR DRILLING PROGRAM.

Posted ID-1  
NR-7-11-97

I hereby certify that the information given above is true and complete to the best of my knowledge and belief. Signature: <i>Clifton R. May</i>		OIL CONSERVATION DIVISION	
Printed name: Clifton R. May		Approved by: SUPERVISOR, DISTRICT II	
Title: Regulatory Agent		Title:	
Date: June 25, 1997	Phone: (505) 748-1471	Approval Date: JUL 1 1997	Expiration Date: JUL 10 1998
		Conditions of Approval: Attached <input type="checkbox"/>	

PROPOSED DRILLING PROGRAM FOR THE  
PATHFINDER "AFT" STATE #9

Yates Petroleum Corporation proposes to enter this existing wellbore and set a whipstock plug and directionally drill this well. Kickoff point will be at 6135' MD; build angle of 28.65 degrees/100', the angle at the end of build being 90 degrees, the point of penetration into the Fussleman being at a point 136' from the wellbore and a lateral length in the payzone of 864' (1000' total horizontal displacement). 90.0 degrees at 6540.5' MD and 6349.9' TVD with TD being a 7250.8 MD and 6350.0' TVD. (See Exhibit #2). Will kickoff with a 6 3/4" bit and complete the well open hole.

MUD PROGRAM: Cut Brine to TD.

BOPE PROGRAM: BOPE will be installed on the 8 5/8" casing and tested daily for operational.