

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 Harvey E. Yates Company P.O. Box 1933 Roswell, N.M. 88202		OGRID Number 10179
Property Code <i>29210 29212</i>		API Number 30-025-35800
Property Name HOWARD DWT FEE		WELL NO. #1

Surface Location									
UL or Lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
UL "E"	8	T-17S	R-38E		2,130'	NORTH	660'	WEST	LEA

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
Proposed Pool 1 WILDCAT <i>Stawr</i>					Proposed Pool 2				

Work Type Code	Well Type Code	Cable/Rotary	Lease Type Code	Ground Level Elevation
N	G	ROTARY	<i>SP</i>	3,715' GR
Multiple	Proposed Depth	Formation	Contractor	Spud Date
N	11,900'	STRAWN	UTI DRILLING	01-Feb-02

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'	425	CIRC. TO SURFACE
12 1/4"	8 5/8"	32#	4,450'	1200	CIRC. TO SURFACE
7 7/8"	5 1/2"	17#	11,900'	1200	600' ABOVE PAY

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.

MUD PROGRAM

DEPTH TYPE OF MUD

0-400 FRESH WATER w/ PAPER & SHALE GUARD.  
400-4,450 BRINE WATER w/ PAPER & EZ MUD.  
4,450-9,800 FRESH WATER w/ PAPER, EZ MUD, N03, 30-60,000 CHLORIDES, & SWEEPS AS NEEDED.  
9,800-11,900 MUD UP W/BARAZAN. 30-60,000 CHLORIDES, MW-9.6-9.8, VIS-34-36, WL-10-20

PRESSURE CONTROL EQUIPMENT

5,000# BOP w/ ANNULAR.  
UPPER AND LOWER KELLY COCK. ROTATING HEAD PRIOR TO DRILLING 8 5/8" SHOE

OTHER

THIS IS A POSSIBLE H2S AREA. AN H2S COMPLIANCE PACKAGE WILL BE UTILIZED.

Permit Expires 1 Year From Approval  
Date Unless Drilling Underway

I hereby certify that the information given above is true and complete to the best of my knowledge and belief.		OIL CONSERVATION DIVISION	
Signature <i>Bob Williams</i>		Approved by <i>[Signature]</i>	
Printed name: Bob Williams		Title: REGIONAL ENGINEER	
Title: Drilling Superintendent		Approval Date: JAN 15 2002	
Date: 01/10/2002	Phone: 505-623-6601	Conditions: Attached	