

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

State of New Mexico  
Energy, Minerals & Natural Resources Department

Form C-101  
Revised February 10, 1994  
Instructions on back  
Submit to Appropriate District Office

District II  
PO Drawer DD, 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

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 <b>Harvey E. Yates Company P.O. Box 1933 Roswell, N.M. 88202</b>		OGRID Number <b>10179</b>
Property Code <b>12958</b>		API Number <b>30-015-30960</b>
Property Name <b>LOCO HILLS WELCH</b>		WELL NO. <b>4</b>

Surface Location

UL or Lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
J	4	T18S	R29E		1980	SOUTH	2310	EAST	EDDY

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 <b>EMPIRE SOUTH MORROW</b>					Proposed Pool 2 <b>76400</b>				

Work Type Code	Well Type Code	Cable/Rotary	Lease Type Code	Ground Level Elevation
N Multiple	G Proposed Depth	ROTARY Formation	S Contractor	3528 Spud Date
N	11,250	MISSISSIPPIAN	PETERSON DRILLING	15-Mar-00

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#	3,100'	1200	CIRC. TO SURFACE
7 7/8"	5 1/2"	17#	11,250'	1200	600' ABOVE PAY
					Tie back to 2nd above intermediate

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.  
400-3100 BRINE WATER w/ PAPER & SHALE GUARD.  
3,100-7,800 FRESH WATER w/ PAPER, SHALE GUARD, N03, 18-20,000 CHLORIDES, & SWEEPS AS NEEDED.  
7,800-11,250 MUD UP WITH FLOZAN AND DRISPAC

PRESSURE CONTROL EQUIPMENT

BOP w/ ANNULAR. ALTHOUGH THE RIG EQUIPMENT IS RATED 3M, THIS WELL WILL BE RATED 2M.  
UPPER AND LOWER KELLY COCK. ROTATING HEAD PRIOR TO WOLFCAMP.

OTHER

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

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

Signature *Bob Williams*

Printed name: **Bob Williams**

Title: **Drilling Superintendent**

Date: **1/31/2000**

Phone: **505-623-6601**

*Post 2-11-00*  
OIL CONSERVATION DIVISION

Approved by

**ORIGINAL SIGNED BY TIM W. GUM  
DISTRICT II SUPERVISOR** *BGX*

Title:

Approval Date: *2-4-00*

Expiration Date: *2-4-01*

Conditions of Approval:

Attached