

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

## APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK <b>DRILL</b> <input checked="" type="checkbox"/> <b>DEEPEN</b> <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. NM-14789-A
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
2. NAME OF OPERATOR Harvey E. Yates Company		7. UNIT AGREEMENT NAME Young Deep Unit
3. ADDRESS AND TELEPHONE NO. P.O. Box 1933, Roswell, N.M. 88202		8. FARM OR LEASE NAME, WELL NO.
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 100' FNL & 1330' FWL <b>UNORTHODOX LOCATION</b> At proposed prod. zone <b>Location: By State</b>		9. API WELL NO. #30
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* Approximately 7 miles south of Maljamar, N.M.		10. FIELD AND POOL, OR WILDCAT North Young Bone Spring
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 100'		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 10, T18S, R32E
16. NO. OF ACRES IN LEASE 80		12. COUNTY OR PARISH Lea
17. NO. OF ACRES ASSIGNED TO THIS WELL 40		13. STATE N.M.
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 330'		19. PROPOSED DEPTH 9100'
20. ROTARY OR CABLE TOOLS rotary		21. APPROX. DATE WORK WILL START* ASAP
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3851' <b>Capitan Controlled Water Basin</b>		

23. PROPOSED CASING AND CEMENTING PROGRAM				
SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2	13 3/8	54.5	400	425
12 1/4	8 5/8	32	3100	1250
7 7/8	5 1/2	17	9100	600' above pay

## MUD PROGRAM:

0 - 400' FW w/paper; MW 9, Vis 31  
400 - 3100' Brine wtr; MW 10, Vis 31  
3100 - 9100' FW mud; MW 8.6, Vis 29

OPER. OGRID NO. 10179  
PROPERTY NO. 12993  
POOL CODE 65352  
EFF. DATE 11-9-95  
API NO. 32-2-25-53174

Approved by  
C. Williams and  
Special Agent  
Assigned

NSL-358

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED Bob Williams Bob Williams TITLE Drilling Superintendent DATE 10/9/95

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_  
Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.  
CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY \_\_\_\_\_ TITLE ASSISTANT AREA MANAGER DATE 11-6-95

\*See Instructions On Reverse Side

DISTRICT I  
P.O. Box 1980, Hobbs, NM 88241-1980

DISTRICT II  
P.O. Drawer DD, Artesia, NM 88211-0710

DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV  
P.O. BOX 2088, SANTA FE, N.M. 87504-2088

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-102  
Revised February 10, 1994  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

OIL CONSERVATION DIVISION

P.O. Box 2088  
Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-331-14	Pool Code C.5-55C	Pool Name North Young Bone Spring
Property Code 12493	Property Name YOUNG DEEP UNIT	Well Number 30
OGRID No. 010179	Operator Name HARVEY L. YALLS COMPANY	Elevation 3851

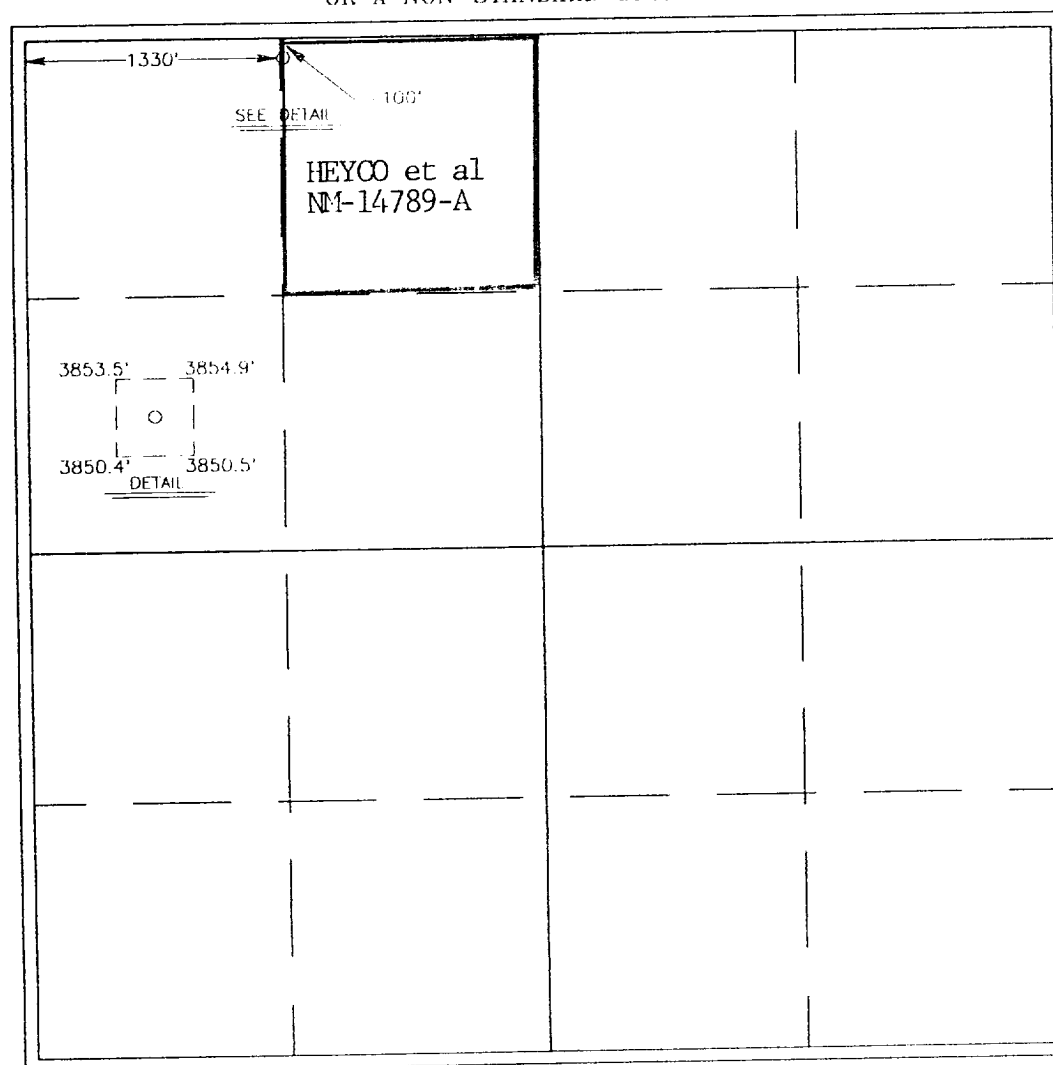
Surface Location

UL or lot No. C	Section 10	Township 18 S	Range 32 E	Lot Idn	Feet from the 100	North/South line NORTH	Feet from the 1330	East/West line WEST	County LEA
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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
Dedicated Acres 40	Joint or Infill	Consolidation Code	Order No.						

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

	<p><b>OPERATOR CERTIFICATION</b></p> <p>I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.</p> <p><i>Bob Williams</i> Signature</p> <p>Bob Williams Printed Name</p> <p>Drlg Superintendent Title</p> <p>10/9/95 Date</p> <p><b>SURVEYOR CERTIFICATION</b></p> <p>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</p> <p>SEPTEMBER 20, 1995 Date Surveyed</p> <p><i>John W. Wilson</i> Signature &amp; Seal of Professional Surveyor</p> <p>JOHN W. WILSON Professional Surveyor 9-27-95</p> <p>30-025-331-1425</p> <p>Certificate No. JOHN W. WILSON 676 RONALD S. FIDSON 3239 CARL FIDSON 12641</p>
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Application  
HARVEY E. YATES COMPANY  
Young Deep Unit #30  
Sec. 10, T18S, R32E  
Lea County, New Mexico

In conjunction with Form 3160-3, Application for Permit to Drill the Subject well in Section 10, Township 18 South, Range 32 East, Lea County, New Mexico, Harvey E. Yates Company submits the following twelve items of pertinent information in accordance with Bureau of Land Management requirements:

1. The geologic surface formation is quaternary alluvium and bolson deposits and other surficial deposits.
2. The estimated tops of geologic markers are as follow:

Rustler	1200'	Penrose	4160'
Yates	2670'	San Andres	4950'
7 Rivers	3120'	Delaware	5180'
Bowers	3620'	Bone Spring	6195'
Queen	3890'	TD	9100'

3. We do not anticipate finding water but have listed the formations in which we anticipate finding oil or gas.  
  
Bone Springs, Delaware
4. Proposed casing program: See Form 3160-3. HEYCO will be using some used casing when applicable.
5. Pressure control equipment: See Exhibit C. Due to the density of wells in this area, we ask for variance on PVT's and alarm systems.
6. Mud program: See Form 3160-3.
7. Auxiliary equipment: Blowout preventer and HYDRIL.
8. Testing, logging and coring programs: No cores or DSTs are anticipated.. The planned logs are DLL-Micro w/GR & Caliper and CN-Den w/GR & Caliper.
9. No abnormal pressures, temperatures or hydrogen sulfide are anticipated during drilling or production phases of operations.
10. Anticipated bottom hole pressures at Bone Spring: 2500 psi
11. Anticipated starting date: As soon as possible.
12. Anticipated duration: Approximately 60 days

900 Series

