

NMCD - Hobbs

SUBMIT IN TRIPLICATE\*  
(Other instructions on  
reverse side)

Form approved.  
Budget Bureau No. 1004-0136  
Expires August 31, 1985

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input type="checkbox"/> DEEPEN <input checked="" type="checkbox"/> PLUG BACK <input type="checkbox"/>			5. LEASE DESIGNATION AND SERIAL NO. NM-11118	
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <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 OF OPERATOR P.O. Box 1933, Roswell, N.M. 88202			8. FARM OR LEASE NAME	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 660' FSL & 660' FWL At proposed prod. zone same (We will verify @ TD w/Multishot)			9. WELL NO. #7	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 6 miles south of Maljamar, NM			10. FIELD AND POOL, OR WILDCAT N. Young Bone Spring	
16. NO. OF ACRES IN LEASE 320		17. NO. OF ACRES ASSIGNED TO THIS WELL 40		
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 1320'		20. ROTARY OR CABLE TOOLS rotary		
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3856.3 GL			22. APPROX. DATE WORK WILL START* ASAP	

23. PROPOSED CASING AND CEMENTING PROGRAM				
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2	13 3/8	48	648	Intact - Cmt Circ
11	8 5/8	32	3610	Intact - Cmt Circ
7 7/8	5 1/2	17	9100	Circ cmt to 8 5/8" csg (TIE BACK TO ~3400')

This is an existing well with both the 13 3/8" & 8 5/8" csg in place & cmt was circulated to surface. The original well was drilled & completed in 1981 with TD of 9576'. Harvey E. Yates Company produced this well until last year. At that time a recompletion was tried & we found the production casing was parted @ 6418', Casing was pulled out & several attempts were made to tie back into the casing stub. (all unsuccessful)

Now HEYCO would like to set a cement plug @ 6418 (top of the casing stub) & kick off around the old casing & drill a replacement hole to 9100' and attempt a Bone Spring completion.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, 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 A. M. Young NM Young TITLE Drilling Superintendent DATE 8/15/94  
(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_  
APPROVED BY Shannon J. Shaw TITLE Production Engineer DATE 9/7/94  
CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions On Reverse Side

DISTRICT I  
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II  
P.O. Drawer DD, Artesia, NM 88210

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

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-102  
Revised February 10, 1984  
Instruction on back  
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 30-025-27547	Pool Code	Pool Name North Young Bone Springs
Property Code	Property Name YOUNG DEEP UNIT	Well Number 7
OGRID No. 010179	Operator Name HARVEY E. YATES CO.	Elevation 3854'

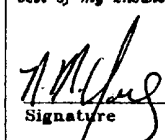
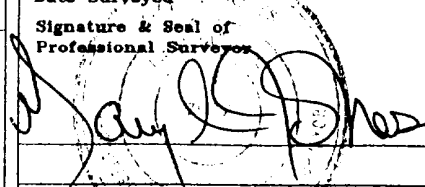
Surface Location

UL or lot No. M	Section 3	Township 18 S	Range 32 E	Lot Idn	Feet from the 660	North/South line SOUTH	Feet from the 660	East/West line WEST	County LEA
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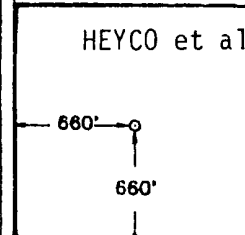
Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres	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

Lot 4 40.58 AC.	Lot 3 40.80 AC.	Lot 2 40.60 AC.	Lot 1 40.62 AC.	<b>OPERATOR CERTIFICATION</b>  I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.   Signature NM/Young Printed Name Drilling Superintendent Title 8/15/94 Date
<b>SURVEYOR CERTIFICATION</b>  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.  JULY 13, 1981 Date Surveyed  Signature & Seal of Professional Surveyor  Certificate No. JOHN W. WEST, 678 RONALD J. EIDSON, 3238 GARY L. JONES, 7877				

HEYCO et al



Application  
HARVEY E. YATES COMPANY  
Young Deep Unit #7  
Section 3 T-18S R-32E  
Lea County, New Mexico

In conjunction with Form 3160-3, Application for Permit to Drill/Deepen the subject well, Harvey E. Yates Company submit the following ten items of pertinent information in accordance with Onshore Oil & Gas Order No. 10.

1. **Geologic Name of Surface Formation:** Alluvium

2. **Estimated Tops of Significant Geological Markers:**

Rustler @ 1209'; Yates @ 2655'; Seven Rivers @ 3120'; Bowers @ 3570'; Queen @ 3820'; Penrose @ 4050'; BFSa @ 4780'; Delaware @ 5050'; Bone Springs @ 6118'; Proposed TD @ 9100'.

3. **The Estimated Depths at which Water, Oil, or Gas Formations are expected.**

Water: None expected in this area.

Oil: Bone Springs 2nd Sands @ 8600'.

Gas: Bone Springs 2nd Sands @ 8600'.

4. **Proposed Casing Program:** Both surface & intermediate casing strings are intact as listed on Form 3160-3. Production casing will be run and cemented as needed. HEYCO will be using some used casing when applicable.

5. **Pressured Control Equipment:** BOP & Annular. See Exhibit C. Although the rig equipment is 3M rated, this well will be a 2M psi rating.

6. **Drilling Fluid Program:** 17 1/2" & 11" hole sections are cased off.  
3610'-TD Fresh water w/mud sweeps. 8.6 #/gal & 31 Visc.

7. **Auxiliary Equipment:** None needed for this operation.

8. **Testing, Logging, & Coring Program:** No open hole testing, logging, or coring will be done on this operation. We will run CBL/GR log in cased hole.

**9. Abnormal Conditions, Pressures, Temperatures, or Potential Hazards**

No abnormal conditions are anticipated in this well bore.

BHST - 140 deg F

BHP - 2800 psi

No Hydrogen Sulfide or other hazardous gases or fluids were encountered in any of the offset wells that HEYCO has drilled in this area. Therefore no contingency plan will be needed.

No lost circulation zones were encountered in any of the offset wells that HEYCO has drilled in this area.

**10. Anticipated Starting Date & Duration of Operations:**

Spud Date: September 15, 1994

Drilling Days: 15

Completion Days: 15

EXHIBIT "C"

Harvey E. Yates Company  
Sec. 3, T18S, R32E  
660' FSL & 660' FEL  
Lea County, N.M.

900 Series

