

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
DRILL ☒ DEEPEN ☐ PLUG BACK ☐

b. TYPE OF WELL
OIL WELL ☒ GAS WELL ☐ OTHER ☐ SINGLE ZONE ☐ MULTIPLE ZONE ☐

2. NAME OF OPERATOR
Harvey E. Yates Company

3. ADDRESS OF OPERATOR
P. O. Box 1933, Roswell, New Mexico 88201

4. LOCATION OF WELL (Report location clearly and in accordance with any State regulations.)
At surface 1980' FWL & 660' FNL
At proposed prod. zone Same

5. LEASE DESIGNATION AND SERIAL NO.
NM-16350 -A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
Young Deep Unit

8. FARM OR LEASE NAME

9. WELL NO.
2

10. FIELD AND POOL, OR WILDCAT
Und. Bone Springs

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 10, T-18S, R-32E

12. COUNTY OR PARISH
Lea

13. STATE
N.M.

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE
Approx. 6 1/4 miles south of Maljamar, N.M.

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)
660'

16. NO. OF ACRES IN LEASE
40

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'

19. PROPOSED DEPTH
8700'

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
3853.8' GL

22. APPROX. DATE WORK WILL START*
November 11, 1980

RECEIVED
OCT 23 1980
U. S. GEOLOGICAL SURVEY
HOBBS, NEW MEXICO

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"	54#	650'	Circulate
11"	8 5/8"	24# - 28#	4650'	Circulate
7 7/8"	4 1/2"	11.6#	8700'	Sufficient to cover pay zone

Mud program: 0'- 650' Spud Mud
650'- 4650' Brine Water
4650'- 8700' Fresh Water Gel

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 James Yates TITLE Vice President DATE October 22, 1980
(This space for Federal or State office use)

PERMIT NO. 30-025-27121 APPROVAL DATE OCT 23 1980
APPROVED BY GEORGE H. STEWART TITLE ASST. DIR. DATE 10/23/80
CONDITIONS OF APPROVAL, IF ANY:

N MEXICO OIL CONSERVATION COMMISS
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102
 Supersedes C-128
 Effective 1-1-65

All distances must be from the outer boundaries of the Section

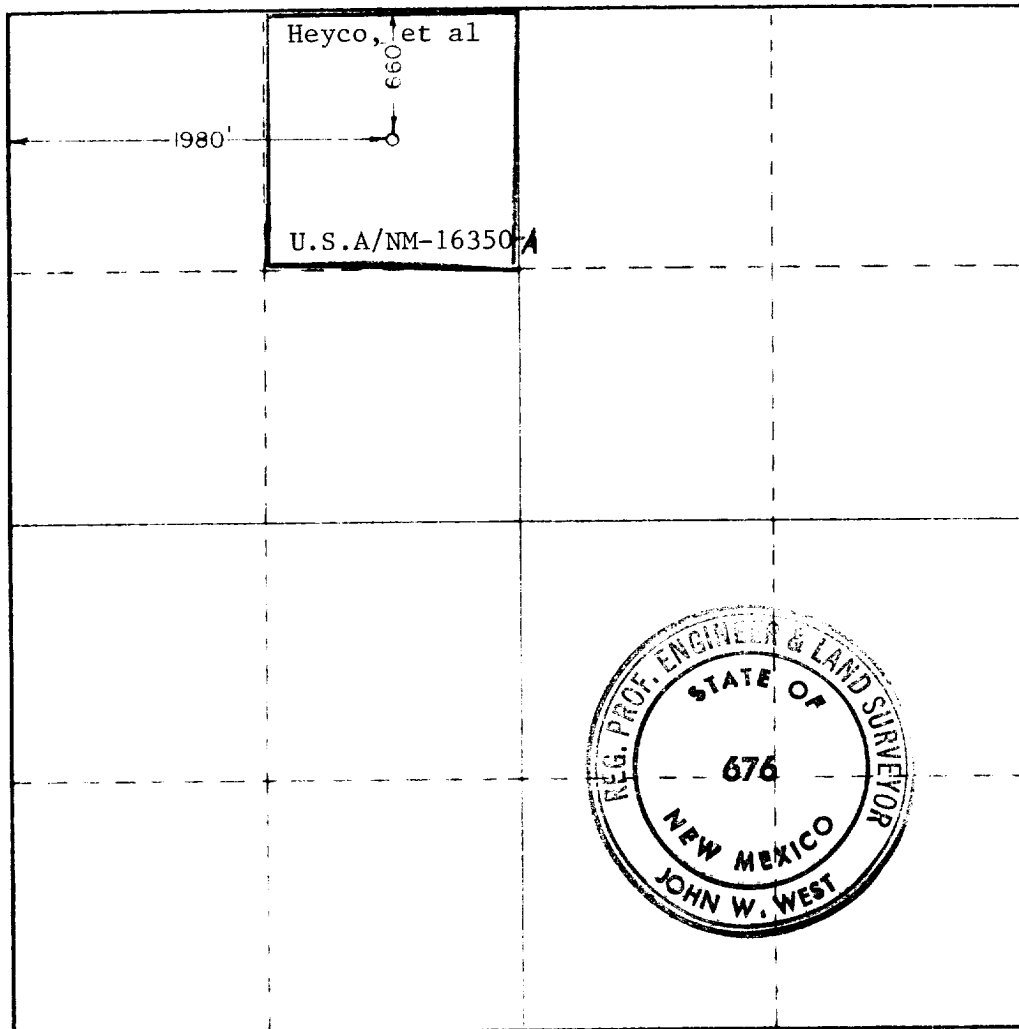
Owner Harvey E. Yates Co.			Lease Young Deep Unit			Section 2		
C	10	18 South	32 East	Lea				
660	North		1980	West				
Acres 3853.8			Pool Bone Springs			Estimated Acreage 40		

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☒ No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Fred G. Yates

Fred G. Yates

Vice President

Harvey E. Yates Company

October 22, 1980

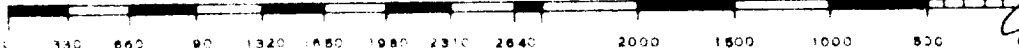
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

10-10-80

Registered Professional Engineer and Land Surveyor

John W. West

Certificate No. **JOHN W. WEST 676**
PATRICK A. ROMERO 6885
Ronald J. Eidson 3239



APPLICATION FOR DRILLING

HARVEY E. YATES COMPANY

21 Young Deep Unit

Sec. 10, T-18S, R-32E

Lea County, N. M.

In conjunction with Form 9-331C, 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 ten items of pertinent information in accordance with U. S. G. S. 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 follows:

Rustler	1200'	Penrose	4094'
Base Salt	2515'	Bone Springs	6250'
Yates	2715'	1st Bone Spring Sand	7900'
Seven Rivers	3140'	Bone Spring Pay	8415'
Queen	3855'	2nd Bone Spring Sand	8610'
		Total Depth	8700'

3. We do not anticipate finding water but have listed the formations in which we anticipate finding oil or gas.

Bone Springs 6250' - 8700'

4. Proposed casing program: See Form 9-331C
5. Pressure control equipment: See Exhibit C
6. Mud program: See Form 9-331C
7. Auxiliary equipment: Blowout preventer
8. Testing, logging and coring programs: Two possible DST's in the Bone Springs. No coring is planned. Planned logs are CNL-FDC, DLL-MSFL.
9. No abnormal pressures or temperatures are anticipated.
10. Anticipated starting date: As soon as possible after approval but no later than November 15, 1980.