

N. M. OIL CONS. COMMISSION
P. O. BOX 1980
HOBBS, NEW MEXICO 88202
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE*
(Other instructions on
reverse side)

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

30-025-32288

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input 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 891018042X Young Deep Unit	
3. ADDRESS OF OPERATOR P.O. Box 1933, Roswell, N.M. 88202; (505) 623-6601			8. FARM OR LEASE NAME	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 1330' FSL & 1330' FWL At proposed prod. zone same			9. WELL NO. #21	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 5 miles south of Maljamar, N.M.			10. FIELD AND POOL, OR WILDCAT Young Wolfcamp	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 1330'			11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 3, T18S, R32E	
16. NO. OF ACRES IN LEASE 321.22			12. COUNTY OR PARISH Lea	
17. NO. OF ACRES ASSIGNED TO THIS WELL 40			18. STATE N.M.	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 933			20. ROTARY OR CABLE TOOLS rotary	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3870.5'			22. APPROX. DATE WORK WILL START* ASAP	

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"	54.5 J55 8rd	400	circ to surface
12 1/4"	8 5/8"	32 J55 8rd	3100	circ to surface
7 7/8"	5 1/2"	17 J55 8rd	11000	600' above pay

Mud Program

0 - 400 FW w/paper; MW-9, Vis-31
400 - 3100 Brine wtr; MW-10, Vis-31
3100 - 11000 FW mud; MW-8.6, Vis-29

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 [Signature] NM Young TITLE Drilling Superintendent DATE 9/21/93
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY Ron Duntion TITLE AREA MANAGER DATE OCT 14 1993
CONDITIONS OF APPROVAL, IF ANY: _____

*See Instructions On Reverse Side

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Form C-102
Revised 1-1-89

DISTRICT I

P.O. Box 2088

DISTRICT II

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

All Distances must be from the outer boundaries of the section

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.

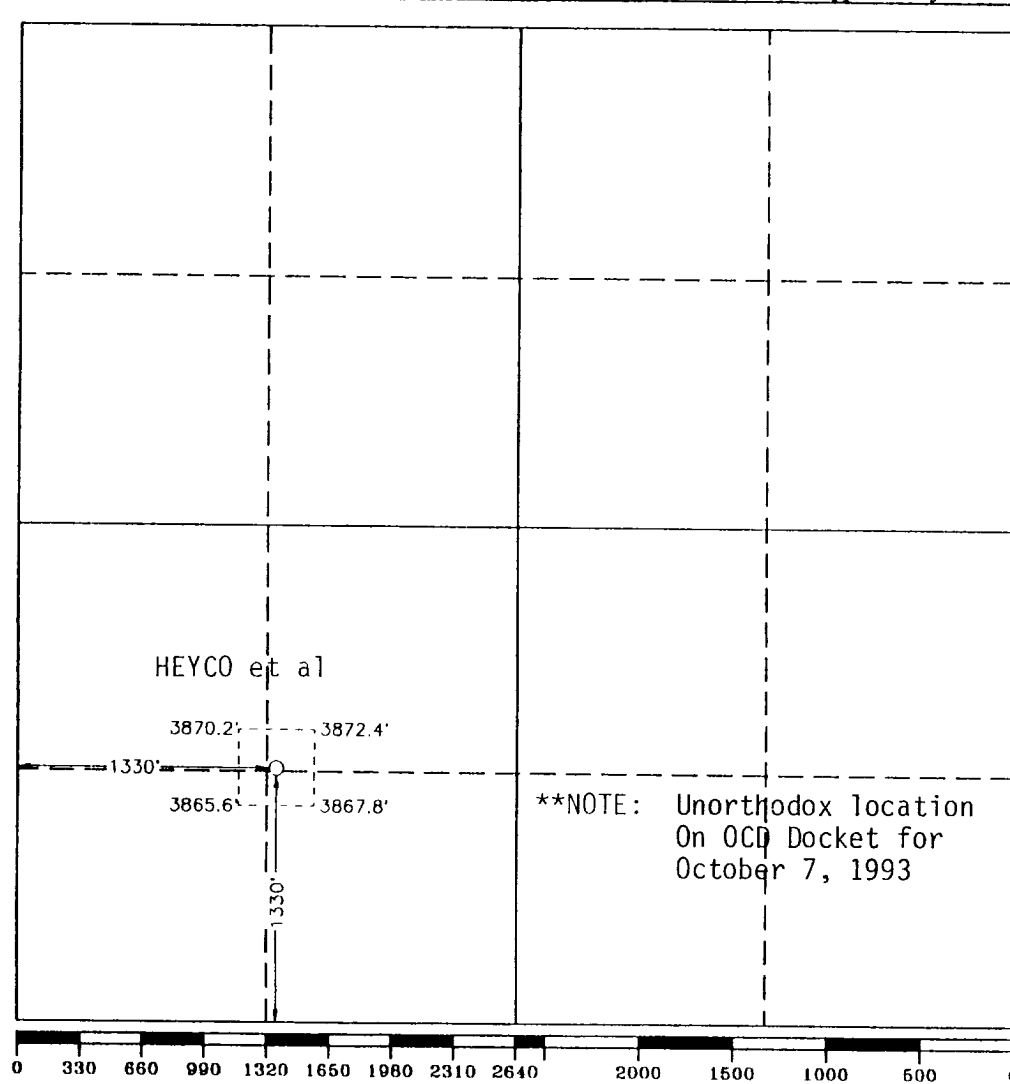
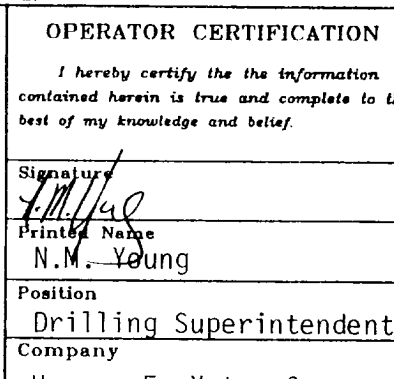
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

3. If more than one lease of different ownership is dedicated to the well, have the interest 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 of owners and tract descriptions which have actually been consolidated. (Use reverse side of this form necessary.) _____

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

	OPERATOR CERTIFICATION <i>I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.</i> Signature <u>J.M. Young</u> Printed Name <u>N.M. Young</u> Position <u>Drilling Superintendent</u> Company <u>Harvey E. Yates Company</u> Date _____	
	SURVEYOR CERTIFICATION <i>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.</i> Date Surveyed <u>SEPTEMBER 14, 1993</u> Signature & Seal of Professional Surveyor  Certificate No. <u>JOHN WEST. 676</u> <u>RONALD EIDSON. 3239</u> <u>GARY L. JONES. 7977</u>	
	93-11-1766	

Application
HARVEY E. YATES COMPANY
Young Deep Unit #21
Sec. 3, T18S, R32E
Lea County, New Mexico

In conjunction with Form 3160-3, Application for Permit to Drill the Subject well in Section 3, 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	1253'	Penrose	4090'
Yates	2715'	Grayburg	4370'
7 Rivers	3130'	San Andres	4745'
Bowers	3590'	Delaware	5350'
Queen	3845'	Bone Spring	5990'
		Wolfcamp	9480'
		Penn Shale	10880'
		TD	11000'

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

Wolfcamp, Bone Springs

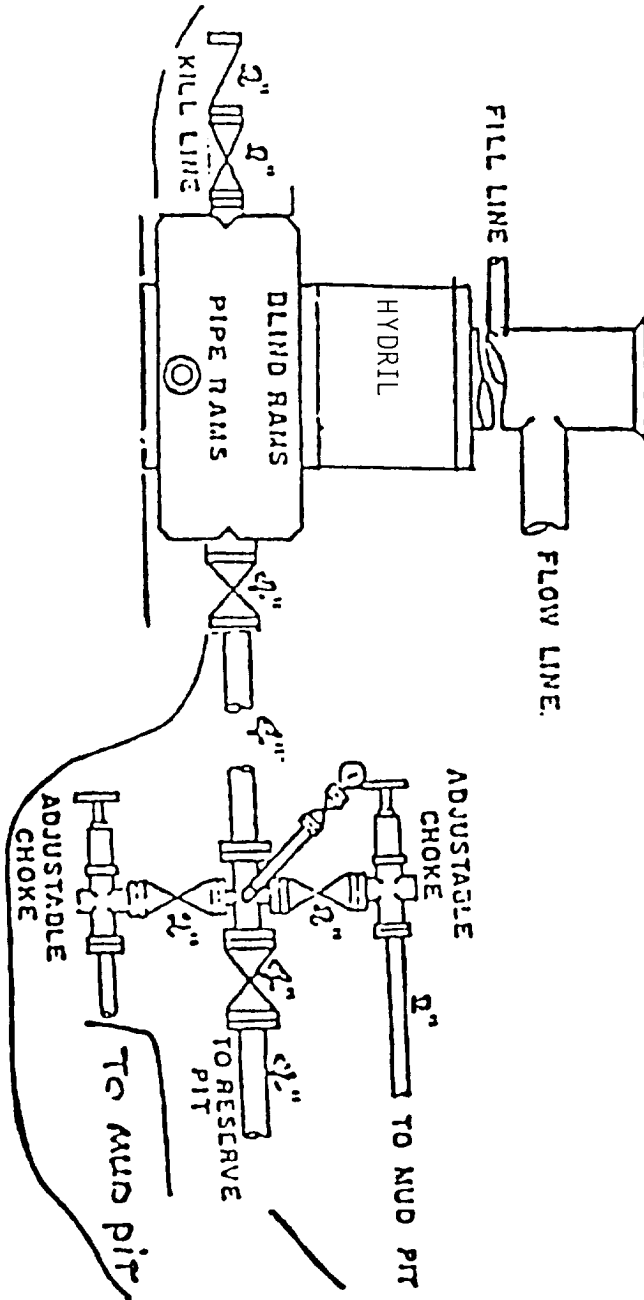
4. Proposed casing program: See Form 3160-3. HEYCO will be using some used casing when applicable.
5. Pressure control equipment: See Exhibit C. Due to the density of wells in this area, we ask for variance on PVT's and alarm systems. ~~OK~~
6. Mud program: See Form 3160-3.
7. Auxiliary equipment: Blowout preventer and HYDRIL.
8. Testing, logging and coring programs: Two possible cores to be taken in the Bone Spring. 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 Wolfcamp: 2500 psi
11. Anticipated starting date: As soon as possible.
12. Anticipated duration: Approximately 60 days

EXHIBIT C

Harvey E. Yates Company
Young Deep Unit #21
1330' FSL & 1330' FWL
Sec. 3, T18S, R32E
Lea County, New Mexico

3M

(579)



900 Series