

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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 88202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
At surface 660' FNL & 660' FEL
At proposed prod. zone 635' 685'

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
9 miles S.W. of Maljamar
same

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

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.
N-A

19. PROPOSED DEPTH
8900

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
3701.5 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	54.5	350	Circ to surface
11	8 5/8	24	2050	Circ to surface
7 7/8	5 1/2	17	8900	600 ft above pay

MUD PROGRAM:

0 - 350 F.W.
350 - 2050 Brine Wtr.
2050 - 8900 F.W. Mud

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 Richard L. Manus NM Young TITLE Drilling Superintendent DATE 2/22/88
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY Richard L. Manus AREA MANAGER
CONDITIONS OF APPROVAL, IF ANY: _____ TITLE CARLSBAD RESOURCE AREA DATE 5-5-88

*See Instructions On Reverse Side

**NEW MEXICO OIL CONSERVATION COMM. ON
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

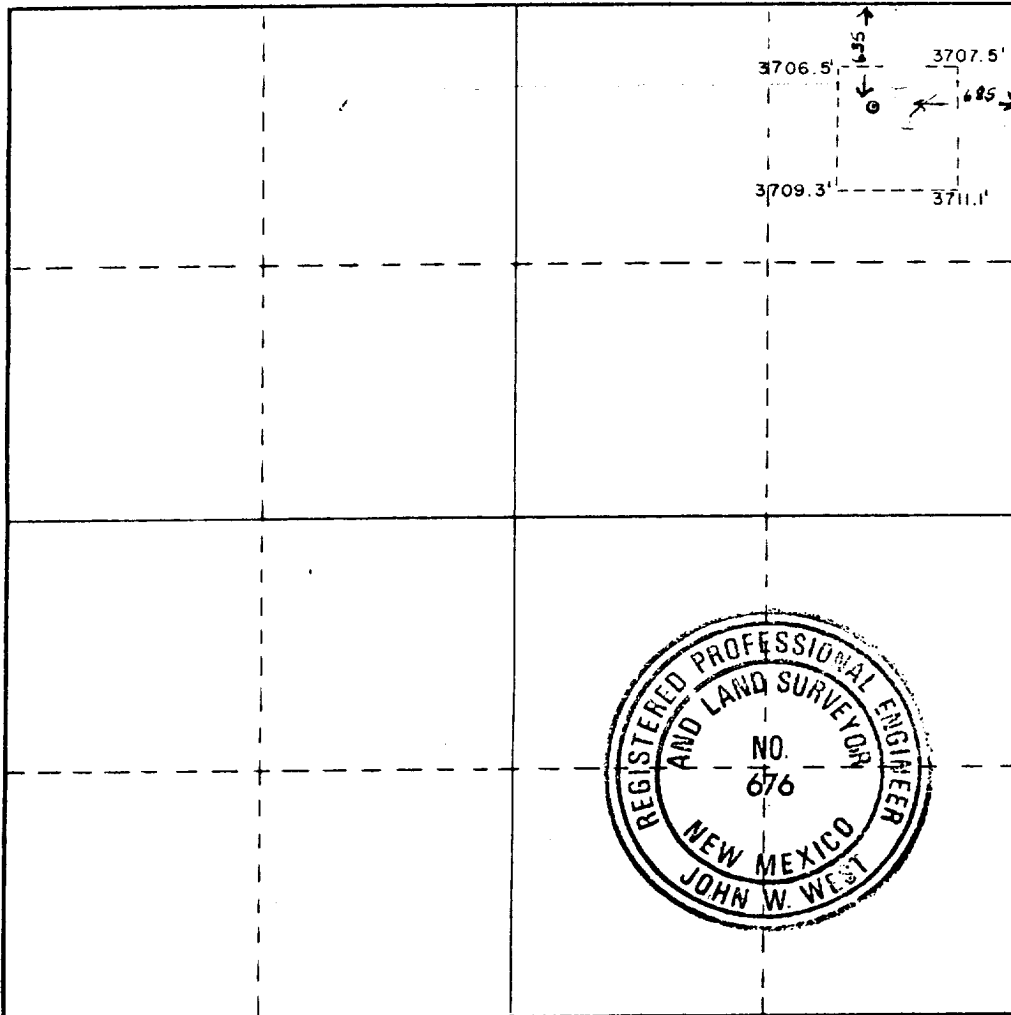
Operator Harvey E. Yates Company			Lease PMS 8 Federal		Well No. 1
Unit Letter A	Section 8	Township 18 South	Range 31 East	County Eddy	
Actual Footage Location of Well:					
635 feet from the North line and		685 feet from the East line			
Ground Level Elev. 3701.5	Producing Formation Bone Spring	Pool N. SHUGART BONE SPRING Wildcat		Dedicated Acreage: 40 Acres	

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

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

Name
Dan Girand
Position
Contract Administrator
Company
Harvey E. Yates Company

Date
4/13/88

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.

Date Surveyed
February 11, 1988

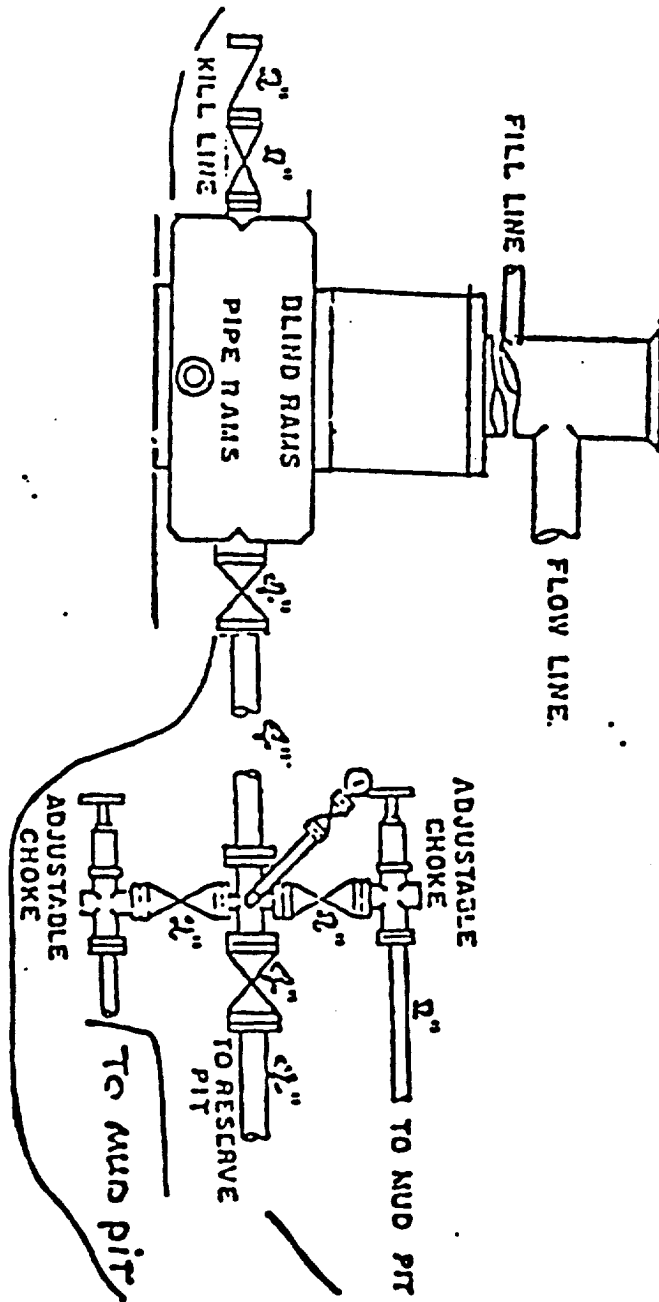
Registered Professional Engineer and/or Land Surveyor

Certificate No. **JOHN W. WEST, 676**
RONALD J. EIDSON, 3239

EXHIBIT C

Harvey E. Yates Co.
PMS 8 Federal 1
Sec. 8 T-18S R-31E
Eddy Co., New Mexico

900 Series



Application

HARVEY E. YATES COMPANY
PMS "8" Federal #1
Section 8, T18S, R31E
Eddy County, New Mexico

In conjunction with Form 3160-3, Application for Permit to Drill the Subject well in Section 8, Township 18 South, Range 31 East, Eddy County, New Mexico, Harvey E. Yates Company submits the following ten 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 follows:

Rustler	0590'	Grayburg	3610'
Yates	1990'	San Andres	3970'
Seven Rivers	2410'	Delaware Sand	4720'
Bowers	2860'	Bone Spring	5130'
Queen	3105'	TD	8900'
Penrose	3310'		

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

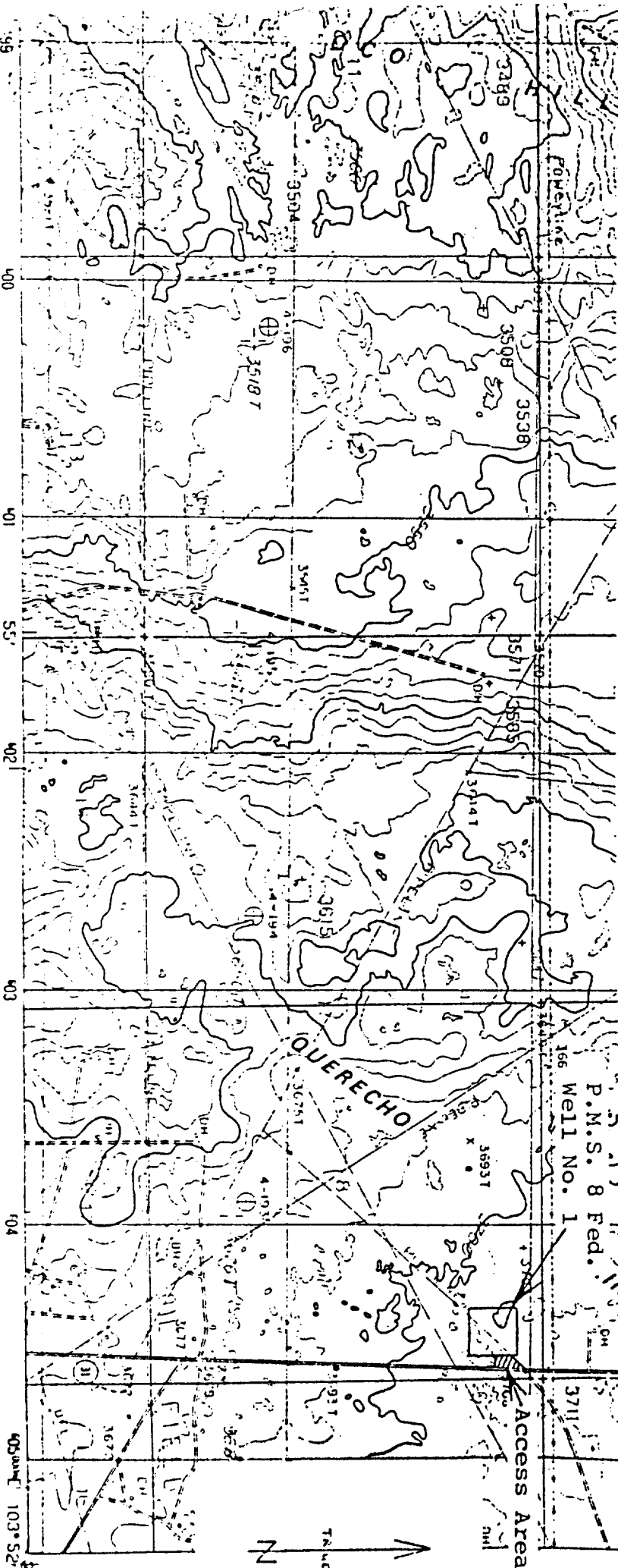
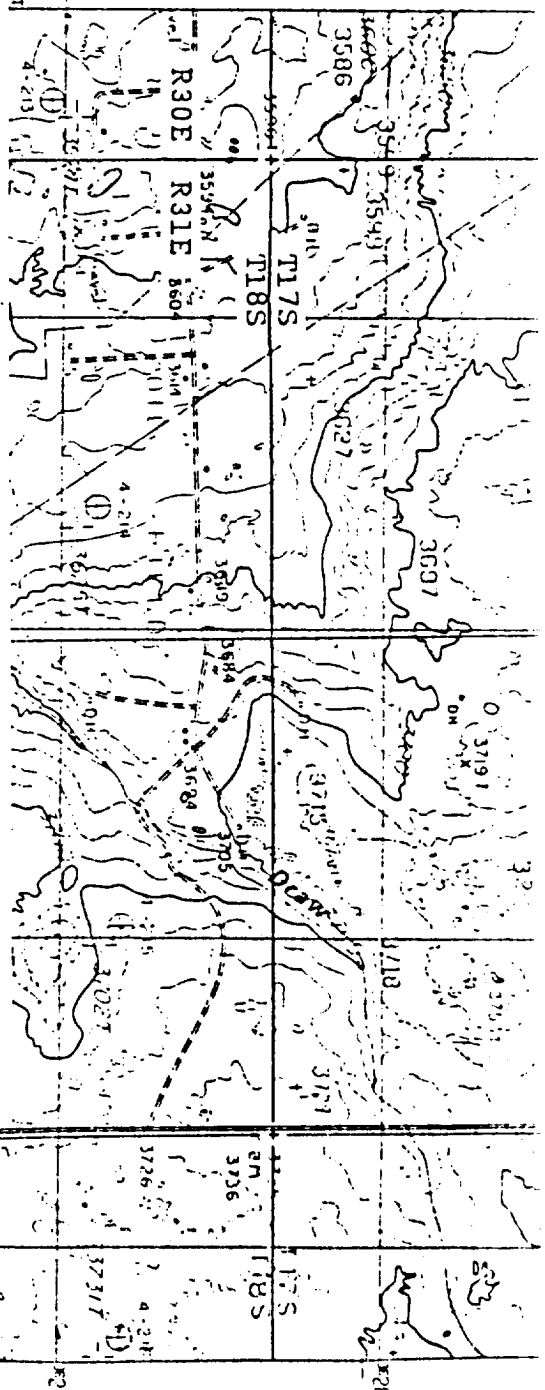
Bone Spring 5130'

4. Proposed casing program: See Form 3160-3
5. Pressure control equipment: See Exhibit C.
6. Mud program: See Form 3160-3.
7. Auxiliary equipment: Blowout preventer
8. Testing, logging and coring programs: We do not plan to core or DST. The planned logs are CND w/GR and Caliper; DLL-MSFL.
9. No abnormal pressures or temperatures are anticipated.
10. Anticipated starting date: As soon as possible.

EXHIBIT A

Harvey E. Yates Co.
PMS 8 Federal 1
Sec. 8 T-18S R-31E
Eddy Co., New Mexico

Map showing the location of the Harvey E. Yates Company P.M.S. 8 Federal Well No. 1 and Access Area. T18S, R31E, Section 8, Centre, NE/4NE/4 [660 FNL, 660 FEL], Eddy County, New Mexico. Square shows location of well pad; hatched area shows location of access area. USGS 7.5' series, LOCO HILLS, N.M., '85. ASC proj.: 88-21.



SCALE 1:24 000

NEW MEXICO

ROAD LEGEND

EXHIBIT D

Harvey E. Yates Co.
PMS 8 Federal 1
Sec.8 T-18S R-31E
Eddy Co., New Mexico

