

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

560' FSL & 990' FEL

At proposed prod. zone

same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

12 miles SE of Loco Hills, N.M.

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

330'

16. NO. OF ACRES IN LEASE

80

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.

330' (P&A)

19. PROPOSED DEPTH

9000

20. ROTARY OR CABLE TOOLS

Rotary

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

3739.5 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
12 1/4	8 5/8	32 & 24	2325	Circ to surface
7 7/8	5 1/2	17	9000	500' above pay

MUD PROGRAM

0 - 350 FW w/Paper
350 - 2325 Brine Water
2325 - 9000 FW 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 prevention program, if any.

24

SIGNED

[Signature]

NM Young

TITLE Drilling Superintendent

DATE 2/13/89

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

Orig. Signed by Richard L. Young

TITLE

CARLEAD RECORDS

DATE

3-17-89

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

OIL CONSERVATION DIVISION

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

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

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator BERRY, J. & SONS CO.		Lease A-11 FEDERAL		Well No. 1	
Unit Letter	Section 11	Township 18 South	Range 31 East	County NMJM	Eddy
Actual Footage Location of Well:					
feet from the		South	line and	990	feet from the
Ground level Elev.		Producing Formation		Pool	Dedicated Acreage:
		Bone Springs		Wildcat TAMARCO Bone Spring	40 Acres

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.?

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 interest, has been approved by the Division.

Arco O&G
LC-029388 (1)

3713 3741

3738 5' 560' 3732 4'

OPERATOR CERTIFICATION

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

Signature A. M. [illegible]

NM Young
Printed Name

Drilling Superintendent
Position

Harvey E. Yates Company
Company

Feb. 13, 1989

SURVEYOR CERTIFICATION

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 _____

Signature & Seal of Professional Surveyor

ENTERED
U.S. CUSTOMS
NEW YORK
JAN 10 1964
C. W. West
Certificate No. _____

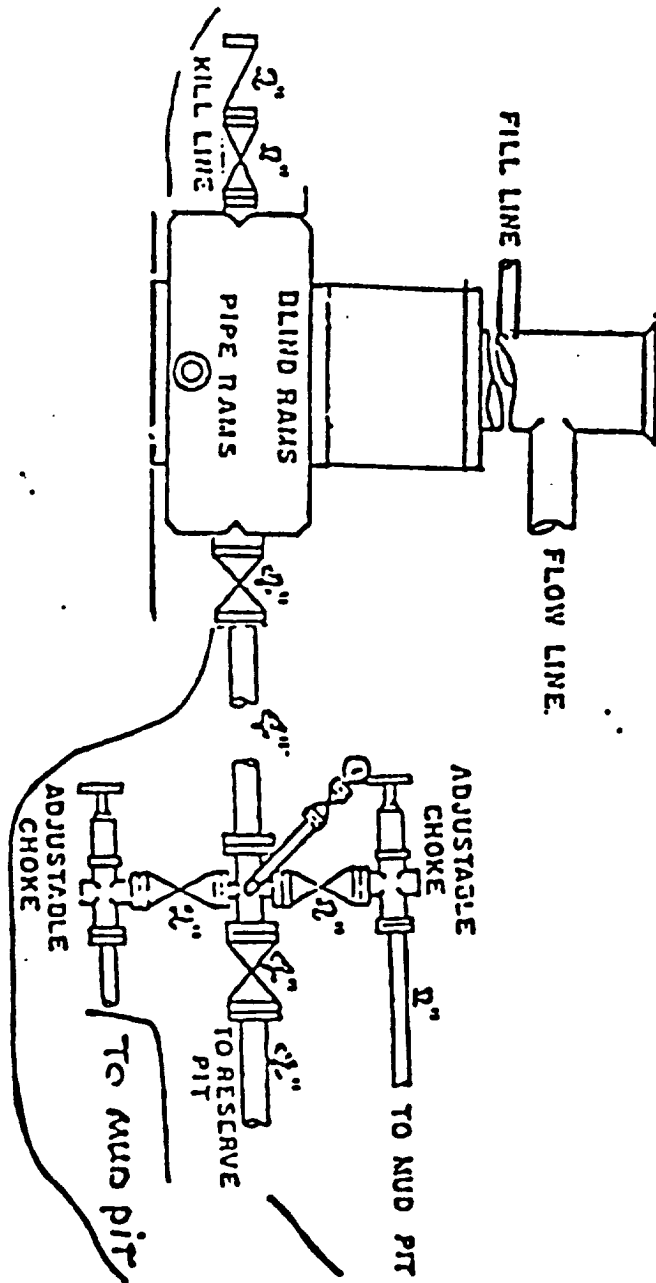
Certificate No. _____

0	330	660	990	1320	1650	1980	2310	2640	2000	1500	1000	500	0
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EXHIBIT C

Harvey E. Yates Co.
A.J. 11 Federal 1
Sec. 11 T-18S R-31E
Eddy Co., New Mexico

900 Series



Application

HARVEY E. YATES COMPANY
AJ 11 Federal #1
Sec. 11, T18S, R31E
Eddy County, New Mexico

In conjunction with Form 3160-3, Application for Permit to Drill the Subject well in Section 11, 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:

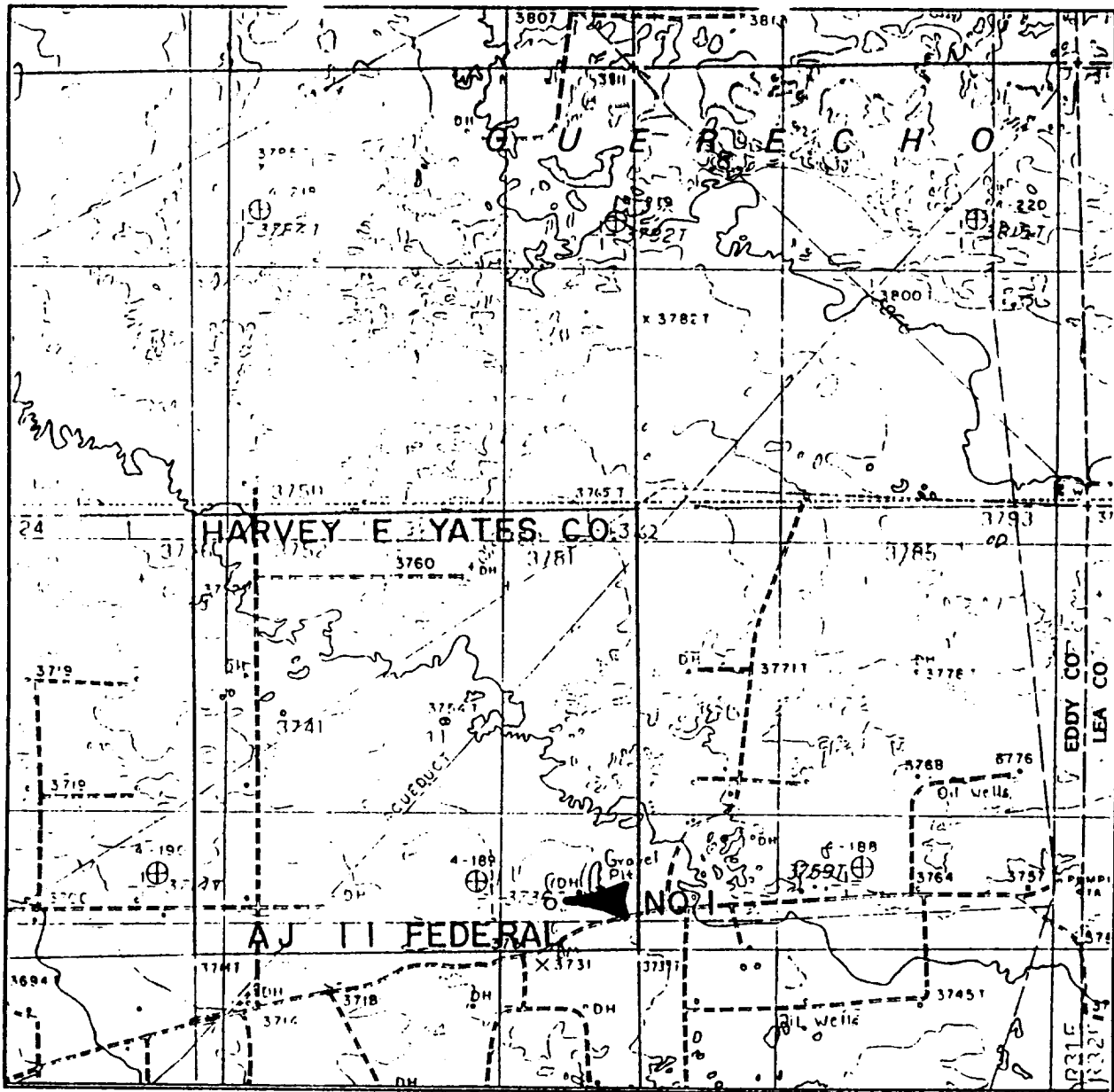
1. The geologic surface formation is quaternary alluvium and bolson deposits and other surficial deposits.
2. The estimated tops of geologic markers are as follows:

Rustler	812'	Grayburg	3940'
Yates	2290'	San Andres	4350'
Seven Rivers	2730'	Bone Spring	5900'
Bowers	3172'	TD	9000'
Queen	3430'		
Penrose	3660'		

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

Bone Spring 5900'

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: One DST is planned in the Bone Springs. Five cores are planned in the Bone Springs. Planned logs are DLL-Micro w/GR & Caliper and CN-DEN w/GR & Caliper.
9. No abnormal pressures or temperatures are anticipated.
10. Anticipated starting date: As soon as possible.



SCALE: 1" = 2000'

CONTOUR INTERVAL 10'

EXHIBIT A

SEC. 11 TWP. 18S RGE. 31E

SURVEY NMPM

COUNTY EDDY STATE NM

DESCRIPTION 560' FSL & 990' FEL

ELEVATION 3739.5'

OPERATOR HARVEY E. YATES CO.

LEASE AJ 11 FEDERAL NO. 1

U.S.G.S. TOPOGRAPHIC MAP

MALJAMAR, NM

EXHIBIT D

Harvey E. Yates Co.
A.J. 11 Federal 1
Sec. 11 T-18S R-31E
Eddy Co., New Mexico

