

N.M. OIL & GAS
P.O. BOX
HOBBS, N.M.
UNIT
DEPARTMENT
BUREAU OF LAND MANAGEMENT
APPLICATION FOR PERMIT

OPER. OGRID NO. 10179
PROPERTY NO. 12993
POOL CODE 65350
EFF. DATE 5/23/96
API NO. 30-025-33462

LOCATE*
on

FORM APPROVED
OMB NO. 1004-0136
Expires: February 28, 1995

1A. TYPE OF WORK

DRILL ☒

DEEPEN ☐

B. TYPE OF WELL

OIL WELL ☒

GAS WELL ☐

OTHER ☐

SINGLE ZONE ☐

MULTIPLE ZONE ☐

2. NAME OF OPERATOR

Harvey E. Yates Company

3. ADDRESS AND TELEPHONE NO.

P.O. Box 1933, Roswell, N.M. 88202 505/623-6601

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*

At surface

1310' FSL & 250' FWL

At proposed prod. zone

Unit M

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

Approximately 11 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)

150'

16. NO. OF ACRES IN LEASE

120

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.

600'

19. PROPOSED DEPTH

9130

20. ROTARY OR CABLE TOOLS

rotary

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

3868' 3855' AB

22. APPROX. DATE WORK WILL START*

June 5, 1996

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2"	13 3/8" H-40	48# ST&C 8rd	400' CIRCULATE	25 sks C w/2% CaCl & 1/4# floreal
12 1/4"	8 5/8" J-55	32# ST&C 8rd	3100' TIE	200 sks C w/2% CaCl & 1/4# floreal + 1200 sks filler*
7 7/8"	5 1/2" J-55	17# LT&C 8rd	9130' BACK	1100 sk Lead & 400 sks Tail**

All casing will be new or used meeting BLM specs.

Cement will be circulated on 13 3/8" & 8 5/8" casing

Cement quantities and additives subject to change due to hole conditions

*Filler cement 35/65 "C" poz w/6% gel, 5% salt & 1/4# floreal

**Lead: 1100 sks "H" poz w/2% gel & 5% salt per sack

Tail: 400 sks Cl "H" w/3% KCL, .5% fluid loss, .3% dispersent, 1% bonding agent, .3% retarder & .2% sodium metasilicate

Mud Program:

0 - 400 FW w/paper; MW 9, Vis 3l

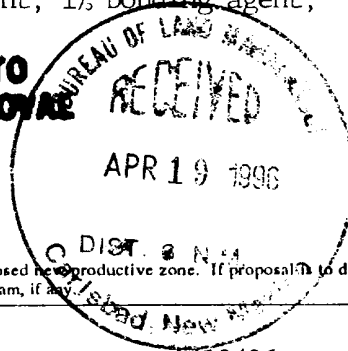
400 - 3100 Brine water; MW 10, Vis 3l

3100 - 9130 FW mud; MW 8.6, Vis 29

NOTE: Mud program subject to change due to hole conditions

Non Standard Location...

SUBJECT TO
LIKE APPROVAL
BY STATE



IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, 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

Bob Williams

Bob Williams

TITLE Drilling Superintendent

DATE 4/19/96

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY

/s/ Yolanda Vega

TITLE

ASSISTANT AREA MANAGER

DATE

5-20-96

*See Instructions On Reverse Side

P.O. Box 1999, Hobbs, NM 88241-1999

Form C-102

Energy, Minerals and Natural Resources Department

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

P.O. Drawer DD, Artesia, NM 88211-0719

1000 Rio Brazos Rd., Aztec, NM 87410

P.O. BOX 2088, SANTA FE, N.M. 87504-2088

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-33462		Pool Code 65350	Pool Name Young Bone Spring, North
Property Code 12993	Property Name YOUNG DEEP UNIT		Well Number 33
OGRID No. 010179	Operator Name HARVEY E. YATES COMPANY		Elevation 3855

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	3	18 S	32 E		1310	SOUTH	250	WEST	LEA

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 40	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	LOT 3	LOT 2	LOT 1
<p style="text-align: center;">40.58 AC.</p>	<p style="text-align: center;">40.60 AC.</p>	<p style="text-align: center;">40.60 AC.</p>	<p style="text-align: center;">40.62 AC.</p>
<div style="display: flex; justify-content: space-between;"> <div style="width: 20%;">SEE DETAIL</div> <div style="width: 80%; border-left: 1px solid black; padding-left: 10px;"> <div style="display: flex; align-items: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg); margin-right: 5px;">250'</div> <div style="margin-right: 10px;">HEYCO et al NM-11118</div> </div> <div style="display: flex; align-items: center; margin-top: 20px;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg); margin-right: 5px;">1310'</div> <div style="margin-right: 10px;">DETAIL</div> </div> </div> </div>			

OPERATOR CERTIFICATION

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

Bob Williams

Signature _____

Bob Williams

Printed Name _____

Drilling Superintendent

Title _____

4/19/96

Date _____

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 belief.

APRIL 17, 1996

Date Surveyed _____ DMCC

Signature _____

Professional Surveyor _____

Certification No. JOHN WEST 676

RONALD J. EIDSON 3239

EIDSON 12641

Application
Harvey E. Yates Company
Young Deep Unit #33
Section 3, T18S, R32E
Lea County, New Mexico

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

1. **Geologic Name of Surface Formation:**
Quaternary alluvium and bolson deposits
2. **Estimated Tops of Significant Geologic Markers:**
Rustler 1200', Yates 2687', Seven Rivers 3112', Bowers 3555', Queen 3805', Penrose 4015', BFS 4865, Delaware Sand, 5075', Bone Spring 6085', TD 9130
3. **Estimated Depths at which Water, Oil, or Gas Formations are expected:**
Water: Triassic Red Bed (Santa Rosa) @ approx. 220'.
Oil: Bone Spring @ 6085'.
Gas: Bone Spring @ 6085'
4. **Proposed Casing Program:**
See Form 3160-3.
5. **Pressure Control Equipment:**
BOP & Annular. See EXHIBIT C. Although the rig equipment is rated 3M rated, this well will be rated 2M.
6. **Drilling Fluid Program:**
See Form 3160-3
7. **Auxiliary Equipment:**
None
8. **Testing, Logging, & Coring Program:**
No Cores or DSTs are anticipated. The planned logs are DLL-Micro w/GR & Caliper, and CN-Den w/GR & Caliper.
9. **Abnormal Conditions, Pressures, Temperatures, or Potential Hazards:**
No abnormal conditions are anticipated in this well bore.
BHST-140 deg F
BHP-2500 psi.
No Hydrogen Sulfide or other hazardous gasses or fluids were encountered in any of the offset wells that Harvey E. Yates Company has drilled in this area. Therefore, no contingency plan is submitted. See EXHIBIT D.
10. **Anticipated Starting Date & Duration of Operation:**
Spud Date: ASAP after April 31, 1996. Duration of this project will be approximately 32 days from start of construction of drilling pad until finish of completion operations.

EXHIBIT "C"

Harvey E. Yates Company
Young Deep Unit #33
Sec. 3, T18S, R32E
Lea County, New Mexico

900 Series

