

Form 3160-3 ED
(July 1992)

N.M. OPEN COUNTY NO. 101
P.O. PROPERTY NO. 1200
UNIT POOL CODE 65350

TRIPPLICATE
actions on
side)

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

DEPARTMENT
BUREAU OF

EFF. DATE 3/8/96
API NO. 30-025-3315

APPLICATION FOR PI

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

b. TYPE OF WELL

OIL
WELL ☒

GAR
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

990' FNL & 1650' FWL

At proposed prod. zone

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

Approximately 7 miles south of Maljamar, N.M.

10. DISTANCE FROM PROPOSED*

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

100'

18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

330'

16. NO. OF ACRES IN LEASE

120

19. PROPOSED DEPTH

9100'

17. NO. OF ACRES ASSIGNED
TO THIS WELL

40

20. ROTARY OR CABLE TOOLS

rotary

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

3845

22. APPROX. DATE WORK WILL START*

ASAP

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	54.5# ST&C 8rd	400' IR	25 sks C w/2% CaCl & 1/4# floceal
12 1/4"	8 5/8 J-55	32# ST&C 8rd	3100' FE	200 sks C w/2% CaCl & 1/4# floceal
				+ 1200 sks filler *
7 7/8"	5 1/2" J-55	17# LT&C 8rd	9100' BACK	500 sks lead + 400 sks tail**

All casing will be new, or used meeting BLM Specs.
cmt quantities & additives subject to change due to hole conditions.

* Filler cmt 35/65 "C" poz w/6% gel, 5% salt & 1/4# floceal.

** Lead: 400 sks "H" w/3% KCL, .3% disp, .3% retarder, .5% fluid loss & 1% bonding agent;

Tail: 500 sks 35/65 "H" poz w/2% gel & 5% salt

MUD PROGRAM

SURF TO 400' NATIVE FRESH WATER MUD W/ SHALE GUARD 8.6 WT 29-30 VIS
400' TO 1000' RED BED MUD W/ PAPER + SHALE GUARD 8.6 WT 29-30 VIS
1000' TO 3100' START ADDING BRINE TO RED BED MUD 10.0 WT 30-31 VIS
3100' TO TD FRESH WATER W/ SHALE GUARD + NO3 8.6 WT 29 VIS

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.

Bob Williams

SIGNED

Bob Williams

TITLE

Drilling Superintendent

DATE 2/7/96

(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 be affected by operations thereon.
CONDITIONS OF APPROVAL, IF ANY:

(ORIG. SGD.) RICHARD L. MANUS

APPROVED BY

TITLE

DATE

3-6-96

*See Instructions On Reverse Side

DISTRICT I
P.O. Box 1980, Hobbs, NM 88241-1980

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

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

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

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised February 10, 1994
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

OIL CONSERVATION DIVISION

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 32-2-24-35-32	Pool Code 1-5352	Pool Name Young Bone Spring, North
Property Code 12495	Property Name YOUNG DEEP UNIT	Well Number 32
OGRID No. 010179	Operator Name HARVEY E. YATES COMPANY	Elevation 3845

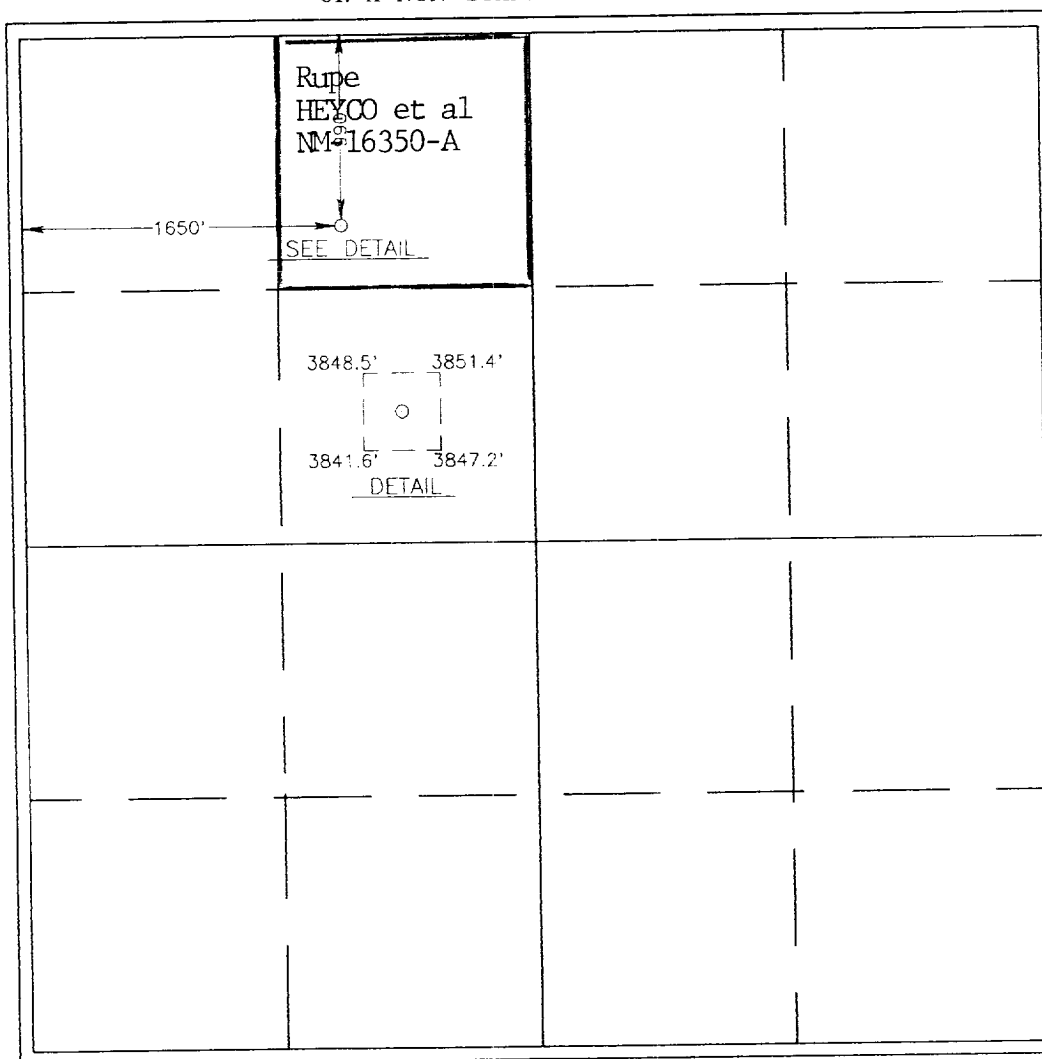
Surface Location

UL or lot No. C	Section 10	Township 18 S	Range 32 E	Lot Idn	Feet from the 990	North/South line NORTH	Feet from the 1650	East/West line WEST	County LEA
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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

	<p>OPERATOR CERTIFICATION</p> <p>I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.</p> <p><u>Bob Williams</u> Signature</p> <p><u>Bob Williams</u> Printed Name</p> <p><u>Drilling Superintendent</u> Title</p> <p><u>2/7/96</u> Date</p> <p>SURVEYOR CERTIFICATION</p> <p>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.</p> <p><u>FEBRUARY 5, 1996</u> Date Surveyed</p> <p><u>SJA</u> Signature & Seal of Professional Surveyor</p> <p><u>Gary Eidson 2-6-96</u> W.O. Num. 96-11-0178</p> <p>Certificate No. JOHN W. WEST 676 RONALD J. EIDSON 3239 GARY EIDSON 12641</p>
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Application
Harvey E. Yates Company
Young Deep Unit #32
Section 10, 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 1250', Yates 2960', Seven Rivers 3160', Bowers 3660', Queen 3940', Penrose 4200', BFS 5000, Delaware Sand, 5230', Bone Spring 6230', TD 9100'.
3. **Estimated Depths at which Water, Oil, or Gas Formations are expected:**
Water: Triassic Red Bed (Santa Rosa) @ approx. 220'.
Oil: Bone Spring @ 6230'.
Gas: Bone Spring @ 6230'
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~~ E. ⁵²⁵

10. Anticipated Starting Date & Duration of Operation:

Spud Date: ASAP and prior to Mar 5, 1996 so that 24 hour operations are completed before Prairie Chicken Booming season starts.

EXHIBIT "C"

Harvey E. Yates Company
Young Deep Unit #32
Sec. 10, T18S, R32E
Lea County, New Mexico

NOTE: BOP & Annular
Although the rig equipment
is 3M psi rated, this well
will be a 2M psi rating.

900 Series

