

UNITED STATES M.O.C.D. COPY (Reverse side)
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

30-025-27533

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 88201

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
At surface 660' FSL & 660' FEL

At proposed prod. zone Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
Approximately 6 1/4 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) 660'

16. NO. OF ACRES IN LEASE
200

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. 1320'

19. PROPOSED DEPTH
9500'

20. ROTARY OR CABLE TOOLS
Rotary

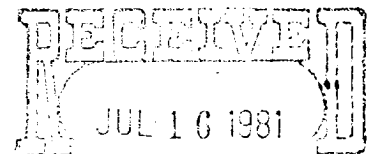
21. ELEVATIONS (Show whether DF, RT, GR, etc.)
3872.1 CL

22. APPROX. DATE WORK WILL START*
8/17/81

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" | 48#-54# | 650' | Circulate |
| 11" | 8 5/8" | 24#-28# | 4650' | Circulate |
| 7 7/8" | 4 1/2" | 11.6# | 9500' | Sufficient to cover 600' above pay zone. |

MUD PROGRAM 0 - 650' Spud Mud
650'-4650' Brine Water
4650'-9500' Fresh Water Gel



OIL & GAS
U.S. GEOLOGICAL SURVEY
ROSWELL, NEW MEXICO

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 Paul J. Hardee TITLE Engineer DATE July 15, 1981

(This space for Federal or State office use)

PERMIT NO. APPROVED
GEORGE H. STEWART

APPROVAL DATE

APPROVED BY AUG 13 1981

TITLE

DATE

FOR
JAMES A. GILLHAM
DISTRICT SUPERVISOR

*See Instructions On Reverse Side

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form O-102
Supersedes O-128
Effective 1-1-85

All distances must be from the outer boundaries of the Section

| | | | | |
|---|---|-------------------------------------|---------------------------|----------------------|
| Operator Harvey E. Yates Company | | Lease Young Deep 3 Fed. | | Well No. 2 |
| Section P | Section 3 | Range 18 S | Range 32 E | County Lea |
| Actual Well Location of Well: 660 feet from the SOUTH line and 660 feet from the EAST line | | | | |
| Ground Level Elev. 3872.1 | Producing Formation Bone Spring | Pool N. Young Bone Spring | Section Area 40 | |

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 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.



Marathon Oil CO.
NM - 036852

U. S. A.

CERTIFICATION

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

Peck Hardee

Name
Peck Hardee

Profession
Engineer

For
Harvey E. Yates Company

Date
July 15, 1981

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 of Survey
7-13-81

Registered Professional Engineer
and Land Surveyor

John W. West

Certificate No. **JOHN W. WEST 676**
PATRICK A. ROMERO 6863
Ronald J. Eidson 3239

0 330 660 990 1320 1650 1980 2310 2640 2970 3300 3630 3960 4290 4620 4950 5280 5610 5940 6270 6600

DRAWWORKS

Brewster N-7-2W
Drum: 1-1/8" Lebus grooved
Compound: 2-engine oil bath chain drive
Brake: Hydromatic Parkersburg 40" Single

ENGINES

Two 410-H.P. D353TA Caterpillar Diesel.

DERRICK

Lee C. Moore, 127', 440,000 lb. nominal capacity.

SUBSTRUCTURE

Lee C. Moore, 10' high, 440,000 lb. nominal capacity.

MUD PUMPS

Pump No. 1: Emsco DB700. 700 H.P. with steel fluid end. 4 1/2" - 7 1/4" liners, 16" stroke. Compound-driven.
Pump No. 2: National C-250, powered by D353 Caterpillar diesel.

DRILL STRING

8400' - 4 1/2" Grade E, 16.60 lb.
3000' - 4 1/2" Grade E, 20 lb.
Tool Joints: 4" H-90, 6" OD
Thirty Drilco spiral-grooved 6 1/2" OD, 2 1/4" ID. With 4" H-90 Joints.
Other sized drillpipe & drillcollars available.

BLOWOUT PREVENTERS

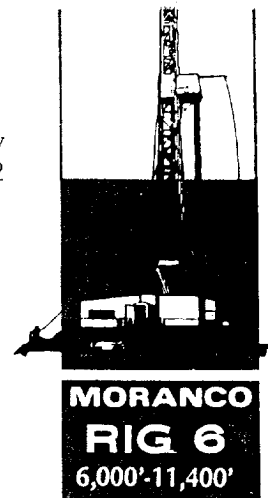
One Shaffer LWS hydraulic double 10" x 900 series. One Hydril 10" x 900 series.
Choke manifold 4" x 900 series flanged connections.
Payne 4 valve accumulator closing unit.

MUD SYSTEM

3 - 30 x 7 1/2 x 6 steel pits, with 700 Bbl. capacity. Complete low pressure circulating system, consisting of four submerged mud guns and two counter sunk jets in each pit. System utilizes a 6 x 8 centrifugal pump, powered by diesel.

EXHIBIT C

Harvey E. Yates Company
Young Deep 3 Federal #2
Sec. 3, T-18S, R-32E
Lea County, New Mexico



MUD HOUSE

One - 8' x 30' Steel Storage House.

COMMUNICATIONS

24-Hour direct telephone interconnection through Hobbs (A.C. 505-397-3291) or Midland - Odessa (A.C. 915-563-0562).

OTHER EQUIPMENT

BLOCKS - McKissick 350 Ton

HOOK - BJ4300 350 Ton

SWIVEL - NAT N47 200 Ton

LIGHT PLANTS - Two 15 KW AC generators, powered by diesel engines.

LIGHTS - AC fluorescent or mercury - All vapor proof.

SHALE SHAKER - Link belt, single screen.

FRESH WATER STORAGE - two 500 Bbl., horizontal tanks.

HOUSING - 1 - 8' x 36' airconditioned trailer house, with sleeping and cooking facilities.

