

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

30-025-27679

FEDERAL BUREAU OF SURVEY

NM-130

WELL IN CON. OF FIELD OR TRUCK NAME

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1. TYPE OF WELL

DRILL ☒DEEPEN ☐PLUG BACK ☐

2. TYPE OF WELL

a. TYPE OF WELL

b. 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 the instructions on the back of this form.)

At surface 660' FSL & 660' FEL

At proposed prod. zone Same

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

Approximately 5 miles South Maljamar

15. DISTANCE FROM PROPOSED*

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

660

16. NO. OF ACRES IN LEASE

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

8700

20. ROTARY OR CABLE TOOLS

Rotary

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

3852.5' GL

22. APPROX. DATE WORK WILL START*

12/11/81

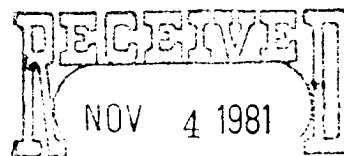
23.

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	18#	650	Circulate
11	8 5/8	24# - 28#	3600	Circulate
7 7/8	4 1/2	10.3# - 11.6#	9650	Sufficient to cover 600' above payzone.

MUD PROGRAM:

0 - 650' F1 Gel Soda Ash
650 - 3600' Brine Water
3600 - 8100' F1
8100 - TD Low Solids, F1 Mud



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

ON THIS CASE 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 conditions and measured and true vertical depths. Give all well production programs, if any.

24.

SIGNATURE

Engineer

DATE 10/20/81

This space for Federal or State official use

REMARKS

APPROVED

DEC 7 1981

JAMES A. GILLHAUS
DISTRICT SUPERVISOR

See Instructions On Reverse Side

U.S. DEPT. OF JUSTICE
FEDERAL BUREAU OF INVESTIGATION
WASHINGTON, D.C. 20535

12-10-81

RECEIVED

DEC 10 1981

INVESTIGATION DIV.

MEXICO OIL CONSERVATION COMMISSION
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.

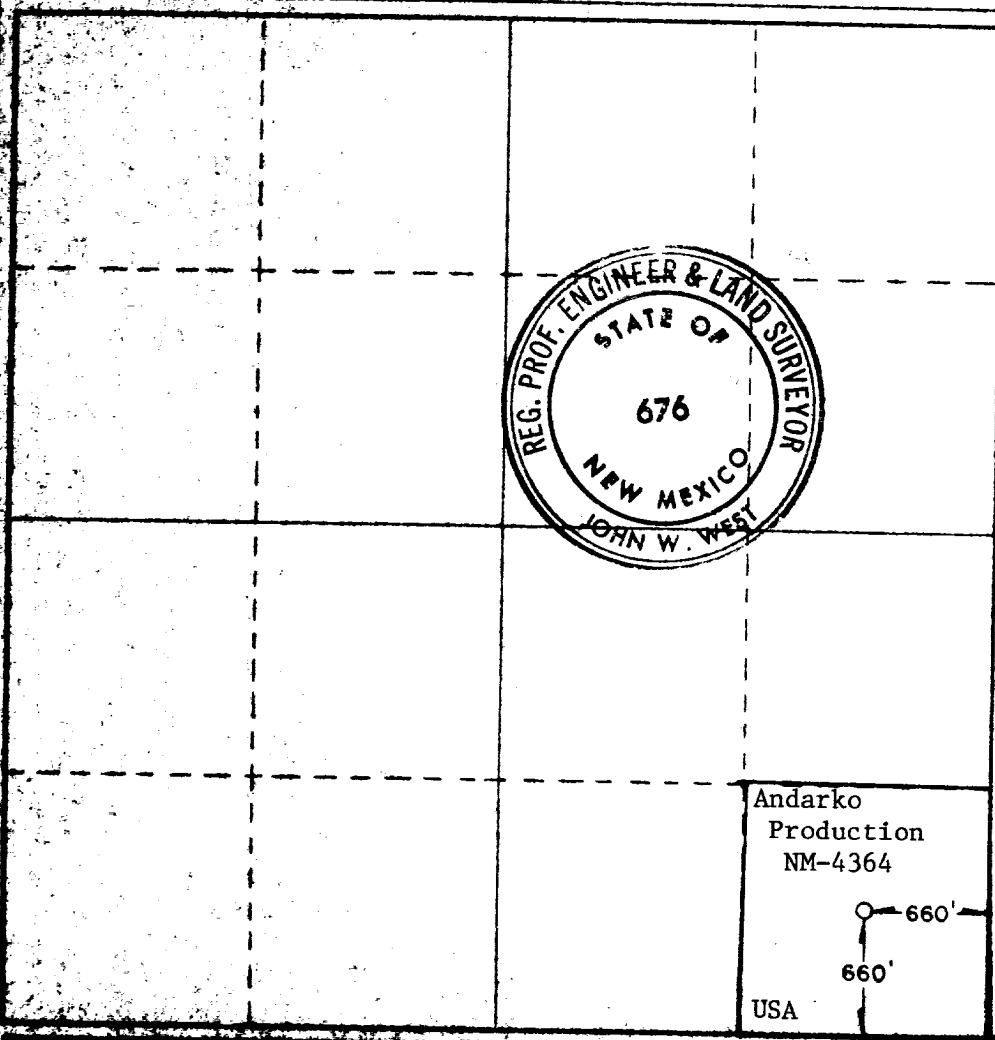
Owner Harvey E. Yates Company			Lease Young Deep 4 Federal		Well No. 2
Unit Letter P	Section 4	Township 18 South	Range 32 East	County Lea	
Approximate Location of Well: 660 feet from the south line and 660 feet from the east line					
Ground Level Elev. 3852.5'	Producing Formation Bone Spring	Pool N. Young Bone Spring		Dedicated Acreage: 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 interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

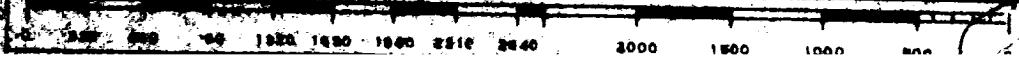
☐ Yes ☐ No If answer is "yes," type of consolidation _____

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.	
<i>Peck Hardee</i>	
Name	Peck Hardee
Position	Engineer
Company	Harvey E. Yates Company
Date	October 27, 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 Surveyed	10-23-81
Registered Professional Engineer and/or Land Surveyor	
<i>John W. West</i>	
Certificate No.	JOHN W. WEST 676 PATRICK A. ROMERO 6963



DRAWWORKS

Brewster N-72W
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 1/2" liners, 16" stroke, Compound-driven.

Pump No. 2: National C-250, powered by D353 Caterpillar diesel.

DRILL STRING

8400' - 4 1/2" Grade E, 16,600 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 1/2" ID.
With 4" H-90 Joints.

Other sized drillpipe & drillcollars available.

BLOWOUT PREVENTERS

One Shaffer LWS hydraulic double 10" x 900 series. One Hy tril 10" x 900 series.

Choke manifold 4" x 900 series flanged connections.

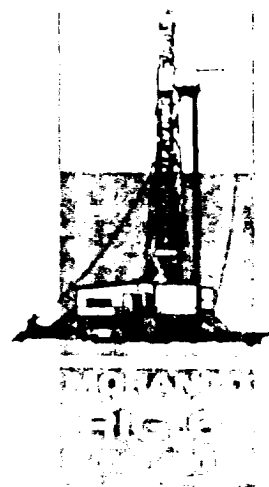
Payne 4 valve accumulator closing unit.

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 D

Harvey E. Yates Company
Young Deep 4 Federal #2
Ser. 4, T-18S, R-32E
Lea County, New Mexico



MUD HOUSE

One - 8' x 30' Steel Storage House.

COMMUNICATIONS

24-Hour direct telephone interconnection through Hubs (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

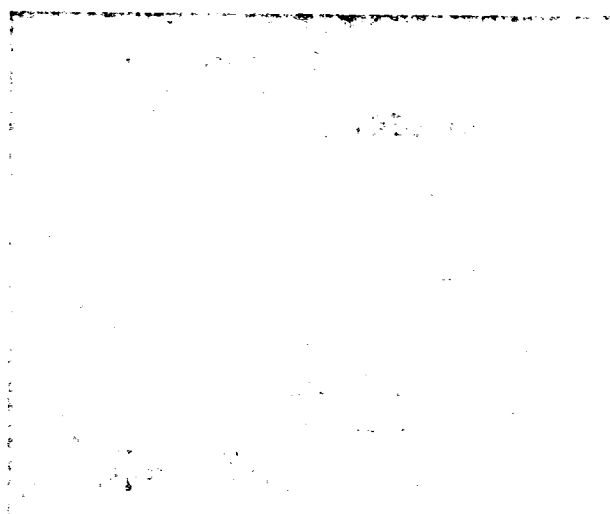
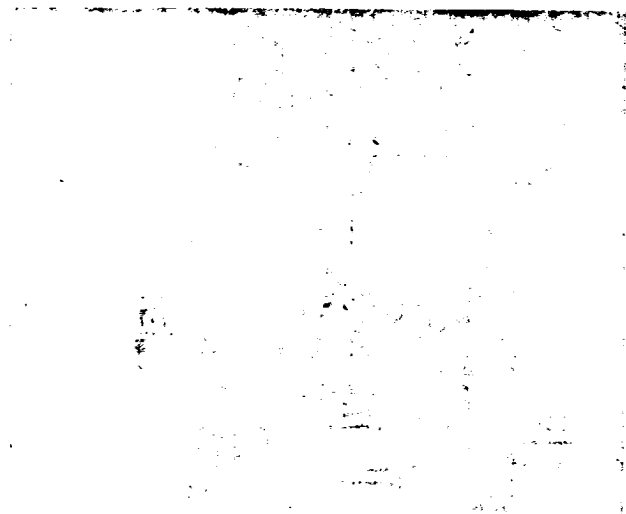
LIGHT PLANTS - Two 15 KW AC generators, powered by diesel engines.

LIGHTS - AC fluorescent or mercury -
All vapor proof.

SHALL 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.



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