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NEW MEXICO OIL CONSERVATION COMMISSION

JUL 21 1981

O. C. D.
ARTESIA, OFFICE

30-015-23880

Form O-101
Revised 1-1-77

1A. Indicate Type of Lease	STATE <input type="checkbox"/>	FED. <input checked="" type="checkbox"/>
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1B. Date and 1C. Well Name No.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work		2. Unit & present time	
1b. Type of Well DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		3. Purpose of Work	
1c. Name of Operator Harvey E. Yates Company ✓		4. Pardue Fee	
1d. Address of Operator P. O. Box 1933, Roswell, NM 88201		5. Well No. 1	
1e. Location of Well M 800 South		6. Field or Pool, or Allotment Wildcat	
1f. Section of Well 330 West 1 24S 28E		7. County Eddy	
1g. Depth of Well 7700		8. Nature of C.R. Rotary	
1h. Formation Bone Spring		9. Approx. Date Work will start 8-5-81	
1i. Production (Show whether Oil, Gas, Water) 2943.9		1j. Estimated Value of Production \$50,000 blanket	
1k. Name of Operator Moranco		1l. Name of Operator Moranco	

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
17 1/2"	13 3/8"	54.50	400	Circulate	Surface
11"	8 5/8"	24-28	3000	Circulate	Surface
7 7/8"	4 1/2"	11.6-10.5	7700	Sufficient to cover pay zone	600'

MUD PROGRAM: 0 - 400' Fresh Water Gel
400 - 3000' Brine Water, using paper for seepage losses
3000 - 7700' Cur Brine

APPROVAL VALID FOR 180 DAYS
PERMIT EXPIRES 1-28-82
UNLESS DRILLING UNDERWAY

I, ABOVE SPACE, DESCRIBE THE PROPOSED PROGRAM IF PROPOSAL IS TO DEEPEN OR PLUG BACK, AND GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE. GIVE A DETAILED CEMENT PROGRAM, IF ANY.

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

Signed [Signature] Title President Date June 24, 1981

APPROVED BY [Signature] TITLE SUPERVISOR, DISTRICT II DATE JUL 28 1981

CONDITIONS OF APPROVAL, IF ANY:

1 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

Operator Harvey E. Yates Co.			Lease Pardue Fee		Well No. 1
Unit Letter M	Section 1	Township 24 South	Range 28 East	County Eddy	
Actual Footage Location of Well: 800 feet from the south line and 330 feet from the west line					
Ground Level Elev. 2943.9	Producing Formation Bone Springs		Pool Wildcat 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.

HEYCO
360
Pardue Farms, et al

REG. PROF. SURVEYOR & LAND SURVEYOR
 STATE OF
 676
 NEW MEXICO
 JOHN W. WEST

CERTIFICATION

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

[Signature]
Name

George M. Yates

Position

President

Company

Harvey E. Yates Company

Date

June 30, 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

4-2&3-81

Registered Professional Engineer and/or Land Surveyor

[Signature]

Certificate No. **JOHN W. WEST 676**
PATRICK A. ROMERO 6868
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 1/4" - 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

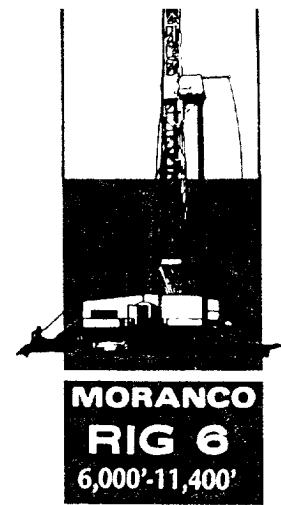
One Shaffer LWS hydraulic double 10" x 900 series. One Hydril 10" x 900 series.

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.



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

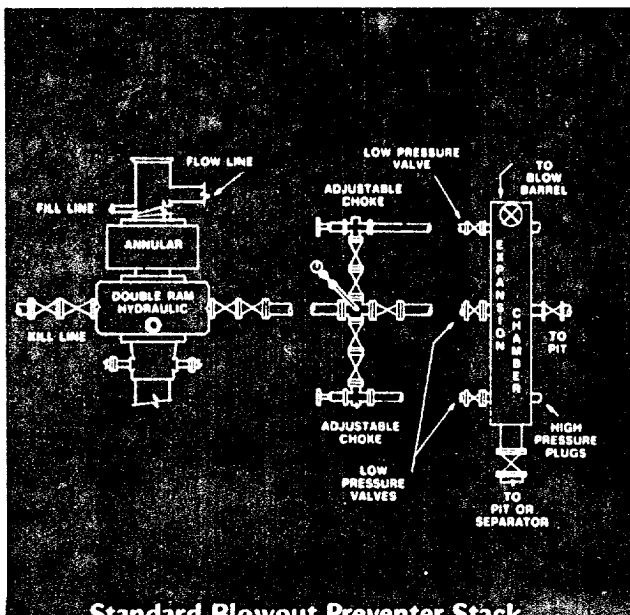
LIGHT PLANTS - Two 15 KW AC generators, powered by diesel engines.

LIGHTS - AC fluorescent or mercury - All vapor proof.

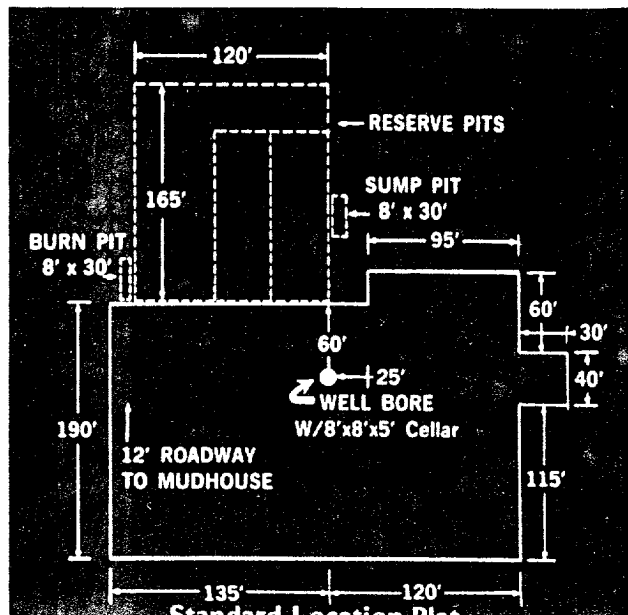
SHALE SHAKER - Link belt, single screen.

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

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



Standard Blowout Preventer Stack



Standard Location Plan