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NEW MEXICO OIL CONSERVATION COMMISSION
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SEP 4 1980

C. C. D.

30-005-60776

Form C-101
Revised 1-1-65

5A. Indicate Type of Lease
STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>

5. State Oil & Gas Lease No.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

1b. 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

UNIT LETTER I

LOCATED 1980

FEET FROM THE

South

LINE

AND 660

FEET FROM THE

East

LINE OF SEC. 7

TWP. 15S

RGE. 27E

NMSPM

7. Unit Agreement Name

Buffalo Lake Unit

8. Farm or Lease Name

Buffalo Lake Unit

9. Well No.

1

10. Field and Pool, or Wildcat

Wildcat Atoka

12. County

Chaves

19. Proposed Depth

7600'

19A. Formation

Atoka

20. History of C.T.

CT, Rotary

21. Elevations (Show whether DE, RT, etc.)

3361

21A. Kind & Status Plug Bond

\$50,000 Blanket

21B. Drilling Contractor

Moranco

22. Approx. Date Work will start

Sept. 6, 1980

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"	54.5#	350'	Circulate	
11"	8 5/8"	24#	1500'	Circulate	
7 7/8"	4 1/2"	9.5#	7600'	Sufficient to cover 600' above pay zone	

Heyco intends to move Cable Tools on location in order to set surface string; then, will release Cable Tools and move Rotary Tools on to complete drilling of the well.

Schematic of blow out preventer attached.

This acreage is not dedicated to a gas purchaser.

APPROVAL VALID
FOR 90 DAYS UNLESS
DRILLING COMMENCED,

EXPIRES 12-5-80

ABOVE SPACE DESCRIBE PROPOSED PROGRAM; IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTION ZONE; GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

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

Signed Harvey E. Yates Title Vice President Date September 2, 1980

(This space for State Use)

APPROVED BY W. A. Gossett TITLE SUPERVISOR, DISTRICT II

CONDITIONS OF APPROVAL, IF ANY:

Cement must be circulated to surface behind 13 3/8" casing

SEP 5 - 1980
Notify N.M.O.C.C. in sufficient time to witness cementing the 8 5/8" casing

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

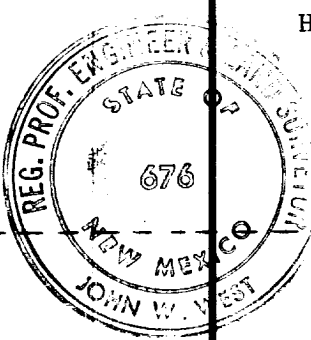
Operator Harvey E. Yates Company			Lease Buffalo Lake Unit		Well No. 1
Unit Letter I	Section 7	Township 15 South	Range 27 East	County Chaves	
Actual Footage Location of Well: 1980 feet from the South line and 660 feet from the East line					
Ground Level Elev. 3361	Producing Formation Atoka		Pool Wildcat <i>Atoka</i>	Dedicated Acreage: 320.0 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hachure 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 Unitization

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.

	Southland Royalty Company Harvey E. Yates Company	Southland Royalty Company L.C. Harris S. A. Lowaco, et al	
		Parker Estate, et al S. A. Lowaco, et al W. J. Sweat, et al	
		Harvey E. Yates Company	660' 1980'
		S. A. Lowaco, et al Parker Estate, et al	

CERTIFICATION

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

Name *Fred G. Yates*
 Fred G. Yates
 Position Vice President
 Company Harvey E. Yates Company
 Date September 3, 1980

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 Sept. 3, 1980
 Registered Professional Engineer and/or Land Surveyor

John W. West
 Certificate No. JOHN W. WEST 676
PATRICK A. ROMERO 6888
Ronald J. Eideen 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 3/4" - 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

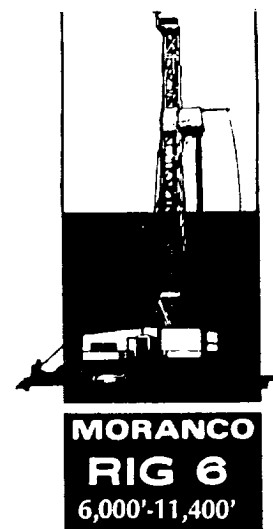
One Shaffer LWS hydraulic double 10" x 900 series. One Hydril 10" x 900 series.

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.

