

NO. OF COPIES RECEIVED		
DISTRIBUTION		
SANTA FE		
U.E.		
S.G.S.		
LAND OFFICE		
OPERATOR		

# NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101  
Revised 1-1-65

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

5. State Oil & Gas Lease No.

## RE-ENTRY

### APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1. Type of Work

a. Type of Well		DRILL <input type="checkbox"/>	DEEPEN <input type="checkbox"/>	PLUG BACK <input type="checkbox"/>
OIL WELL <input type="checkbox"/>	GAS WELL <input checked="" type="checkbox"/>	OTHER	SINGLE ZONE <input type="checkbox"/>	MULTIPLE ZONE <input type="checkbox"/>

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 F LOCATED 1980 FEET FROM THE North LINE

1980 FEET FROM THE West LINE OF SEC. 11 TWP. 15S RGE. 35E NMPM

7. Unit Agreement Name

8. Firm or Lease Name

HEYCO Goodrich

9. Well No.

1

10. Field and Pool, or Wildcat  
Wildcat (ND)

12. County

Lea

19. Proposed Depth

13,000'

19A. Formation

Morrow

20. Rotary or C.T.

Rotary

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

3976' GR

21A. Kind & Status Plug. Bond

Blanket

21B. Drilling Contractor

Moranco

22. Approx. Date Work will start

10-5-79

### 3. PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
Existing: 17 1/2"	13 3/8"	48#	387'	400	
Mill run: 11"	8 5/8"	24#	1305' **	200	
7 7/8"	5 1/2"	17#, 20#	13,000'		600' above producing zones

\* Casing shot off at 1305' - base of 8 5/8" casing is 4698'.

### Re-entry Procedure:

1. Clean out cellar & weld on 13-3/8" X 12" - 3000 casing head.
2. Drill out surface plug w/rat hole machine.
3. RU reverse unit. NU BOP.
4. PU 11"OD rock bit, 1 4-3/4" drill collar, blade stabilizer, 5 4-3/4" drill collars & 2-7/8" drill pipe.
5. Drill cement plug 305' to 450'.
6. Drill cement plug 1205' to 1305'.
7. Tag T/8-5/8" casing stub at 1305'.
8. POH; LD 11" bit and PU 7-7/8" bit.
9. GIH & drill out plug inside 8-5/8" casing. POH.
10. Run skirted mill & mill off top of casing and/or casing collar.
11. POH & LD mill.

(OVER)

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

I 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 9-12-79

(This space for State Use)

APPROVED BY

TITLE

SUPERVISOR DISTRICT 1

DATE

SEP 17 1979

CONDITIONS OF APPROVAL, IF ANY:

12. Run Bowen lead seal casing patch on 8-5/8" casing.
13. Stab over 8-5/8" casing stub, catch and seal off 8-5/8" casing.
14. Pressure test casing to 1500 psi - 30 min.
15. NU 12" - 3000 X 10" - 3000 casing spool. RD reverse unit - MI and RU drilling rig.
16. Run 7-7/8" bit & drill out plugs to 13,000'.
17. Condition mud. POH & run logs.
18. Run & cement 5-1/2" casing at 13,000'.

RECEIVED

SEP 14 1971

O.C.D. HOBBS. OFFICE

NEW 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 <b>Harvey E. Yates Company</b>			Lease <b>HEYCO Goodrich</b>		Well No. <b>1</b>
Tract Letter <b>F</b>	Section <b>11</b>	Township <b>15S</b>	Range <b>35E</b>	County <b>Lea</b>	
Actual Footage Location of Well:					
<b>1980</b> feet from the <b>North</b> line and		<b>1980</b> feet from the <b>West</b> line			
Ground Level Elev. <b>3976'</b>	Producing Formation <b>Morrow</b>	Pool <b>Wildcat</b>	Dedicated Acreage: <b>320</b> 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 Communitization in process

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.

<p>HEYCO ARCO FEE LEASE</p>			
<p>Christenson Petroleum State Lease No. LG4789</p>			

CERTIFICATION

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

Name: Harvey E. Yates  
Position: Vice President  
Company: Harvey E. Yates Company

Date: September 12, 1979

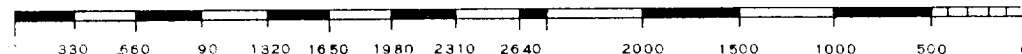
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Please see original

Date Surveyed:  
survey plat

Registered Professional Engineer and/or Land Surveyor

Certificate No.



## DRAWWORKS

Emsco GB-800

Drum: 1¼" Lebus grooved

Compound: 2-engine oil bath chain drive

Brake: Hydromatic Parkersburg 46" Double

## ENGINES

Two 610-H.P. D379TA Caterpillar Diesel

## DERRICK

Lee C. Moore, 131', 550,000 lb. nominal capacity

## SUBSTRUCTURE

Lee C. Moore, 15' high, 550,000 lb. nominal capacity

## MUD PUMPS

Pump No. 1: Emsco DB700. 700 H.P. with steel fluid end. 4¾" — 7¾" liners, 16" stroke. Compound-driven.

Pump No. 2: Emsco DA500, 500 H.P. powered by 400 H.P. D353 Caterpillar Diesel.

## DRILL STRING

3000' 4-1/1" Grade E, 20 lb.

Tool Joints: 4½" H-90, 6¼" OD,

12000' 4½" Grade E, 16.60 lb.

Tool Joints: 4" H-90, 6" OD

Thirty Drilco spiral-grooved 6½" OD, 2¼" ID.

With 4" H-90 Joints.

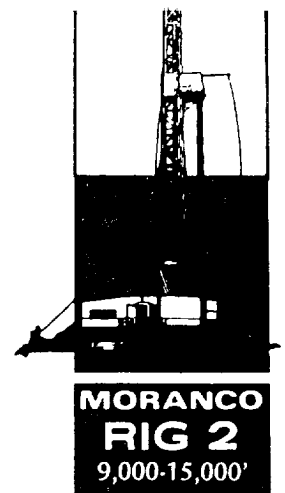
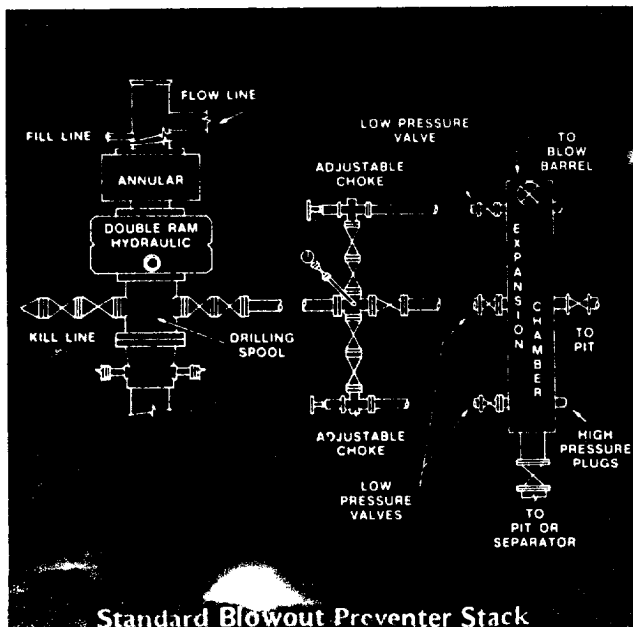
Other sized drillpipe & drillcollars available.

## BLOWOUT PREVENTERS

One Shaffer LWS Hydraulic double 10" x 1500 series. One Shaffer Spherical 10" x 1500 series. Choke manifold 4" x 1500 series flanged connections. Payne 4 valve accumulator closing unit.

## MUD SYSTEM

3 — 30 x 7½ 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 6x8 centrifugal pump, powered by diesel.



## MUD HOUSE

1 — 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 — Oilwell PC 425 Ton

LIGHT PLANTS — One 40 KW and one 20 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.

