Form 9-331 C
(May 1963)

SUBMIT IN TRIPLICATE* (Other instructions on reverse side)

Form approved. Budget Bureau No. 42-R1425.

SF/file

30-005-61640

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RECEIVED JUN 10 1982 O. C. D. ARTESIA, OFFICE

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK: DRILL [X] DEEPEN [ ] PLUG BACK [ ]

b. TYPE OF WELL: OIL WELL [ ] GAS WELL [X] OTHER SINGLE ZONE [ ] MULTIPLE ZONE [ ]

2. NAME OF OPERATOR: Yates Petroleum Corporation ✓

3. ADDRESS OF OPERATOR: 207 South 4th Street, Artesia, NM 88210

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
At surface: 660' FNL & 660' FEL
At proposed prod. zone: Same

RECEIVED JUL 29 1981 OIL & GAS U.S. GEOLOGICAL SURVEY ROSWELL, NEW MEXICO

5. LEASE DESIGNATION AND SERIAL NO.: NM 11103

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT AGREEMENT NAME:

8. FARM OR LEASE NAME: Globe MN Fed.

9. WELL NO.: 2

10. FIELD AND POOL, OR WILDCAT: ~~Undes.~~ Pecos Slope Abo

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec. 20-5s-24e

12. COUNTY OR PARISH: Chaves 13. STATE: NM

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*: 32 miles NNE of Roswell, NM

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: 639

17. NO. OF ACRES ASSIGNED TO THIS WELL: 160

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.: 1 mile

19. PROPOSED DEPTH: 4300

20. ROTARY OR CABLE TOOLS: Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.): 4043.1 GL

22. APPROX. DATE WORK WILL START*: ASAP

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
15"	10 3/4"	40.5# J-55	Approx. 900	750 sx. circulated
7 7/8" or 6¼"	4½" or 5½"	10.5# or 15.5#	4300	350 sx.

We propose to drill and test the Abo and intermediate formations. Approximately 900' of surface casing will be set and cement circulated to shut off gravel and casing. If needed (lost circulation) 7 5/8" intermediate casing will be run to approx. 1500' and cemented with enough cement calculated to tie back into the surface casing. Temperature survey will be run to determine cement top. If commercial, production casing will be run and cemented with adequate cover, perforate, and stimulate as needed for production.

MUD PROGRAM: FW gel and LCM to 1500' - Brine to 3200' - drispak starch & Flocel to TD. MW 9.6-10, Vis. 29-34, WL 14-7.

BOP PROGRAM: BOP's will be installed in 10 3/4" casing and tested daily.

GAS IS NOT DEDICATED.

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 [signature] TITLE Regulatory Coordinator DATE 7-24-81

(This space for Federal or State office use)

APPROVED (Orig. Sgd.) GEORGE H. STEWART JUN 9 1982 JAMES A. GILLHAM DISTRICT SUPERVISOR

PERMIT NO. ______ APPROVAL DATE ______

APPROVED BY ______ TITLE ______ DATE ______

CONDITIONS OF APPROVAL, IF ANY:

Posted ID-1 NL & API 6-18-82

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.

Operator	Lease	Well No.
YATES PETROLEUM CORPORATION	Globe "MN" Federal	2

Unit Letter	Section	Township	Range	County
"A"	20	5 South	24 East	Chaves

Actual Footage Location of Well: 660 feet from the North line and 660 feet from the East line

Ground Level Elev.	Producing Formation	Pool	Dedicated Acreage:
4043.1	Abo	Undes. Abo	160 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.

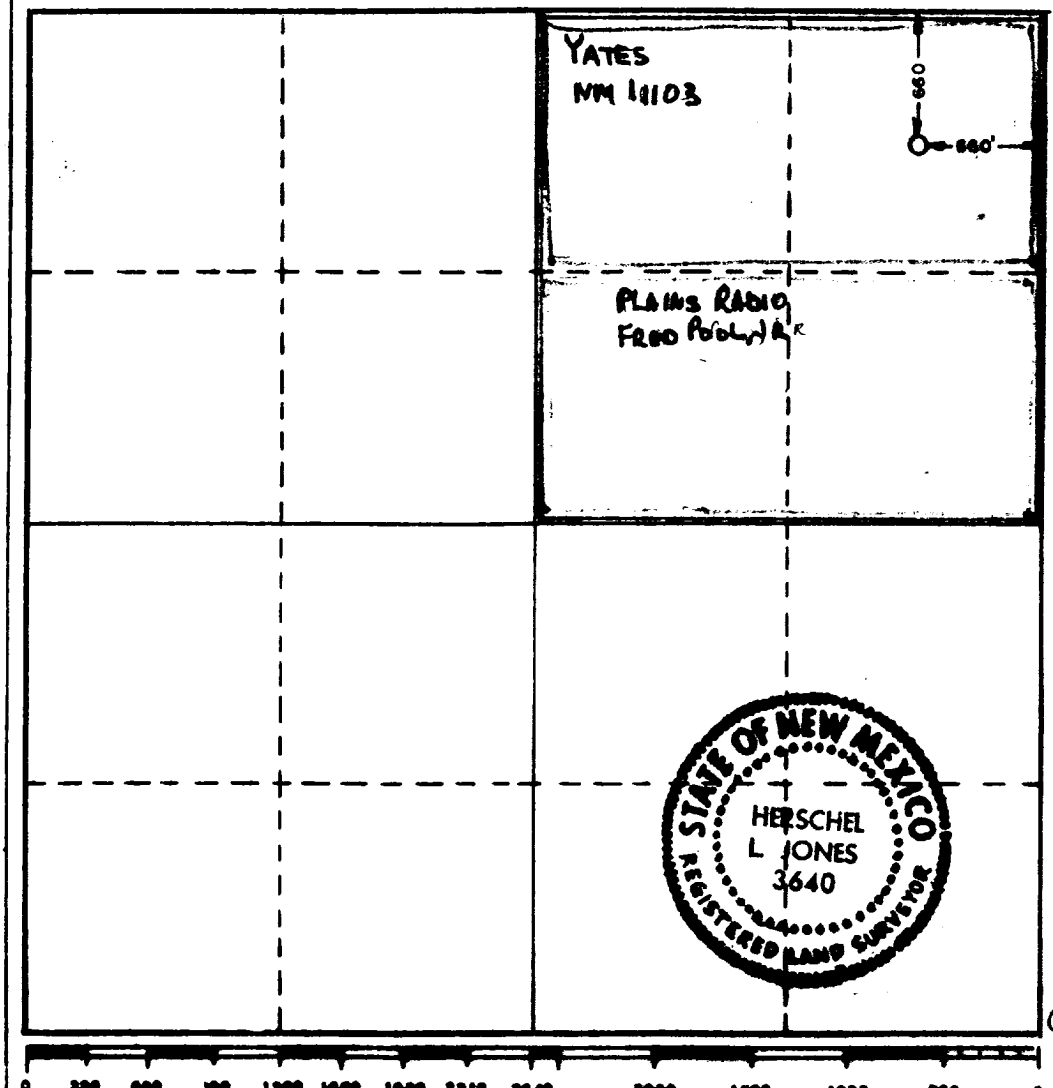
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

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

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.

Name: Gliserio Rodriguez

Position: Geographer

Company: Yates Petroleum Corporation

Date: 5/27/81

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: May 13, 1981

Registered Professional Engineer and/or Land Surveyor

Certificate No. 3640

Yates Petroleum Corporation
Globe "MN" Fed #2
660' FNL & 660' FEL
Section 20, T5s-R24e
Chaves County, New Mexico

In conjunction with Form 9-331C, Application for Permit to Drill subject well, Yates Petroleum Corporation submits the following ten items of pertinent information in accordance with USGS requirements:

1. The geologic surface formation is sandy alluvium.

2. The estimate tops of geologic markers are as follows:

Glorieta	1453'
Abo	3493'
Wolfcamp	4233'
TD	4300'

3. The estimated depths at which anticipated water, oil, or gas formations are expected to be encountered:

   Water: Approximately 250' - 350'

   Oil or Gas: Abo - 3513' - 4210'

4. Proposed Casing Program: See Form 9-331C.

5. Pressure Control Equipment: See Form 9-331C and Exhibit B.

6. Mud Program: See Form 9-331C.

7. Auxiliary Equipment: Kelly Cock, pit level indicators and flow sensor equipment; sub with full-opening valve on floor, drill pipe connection.

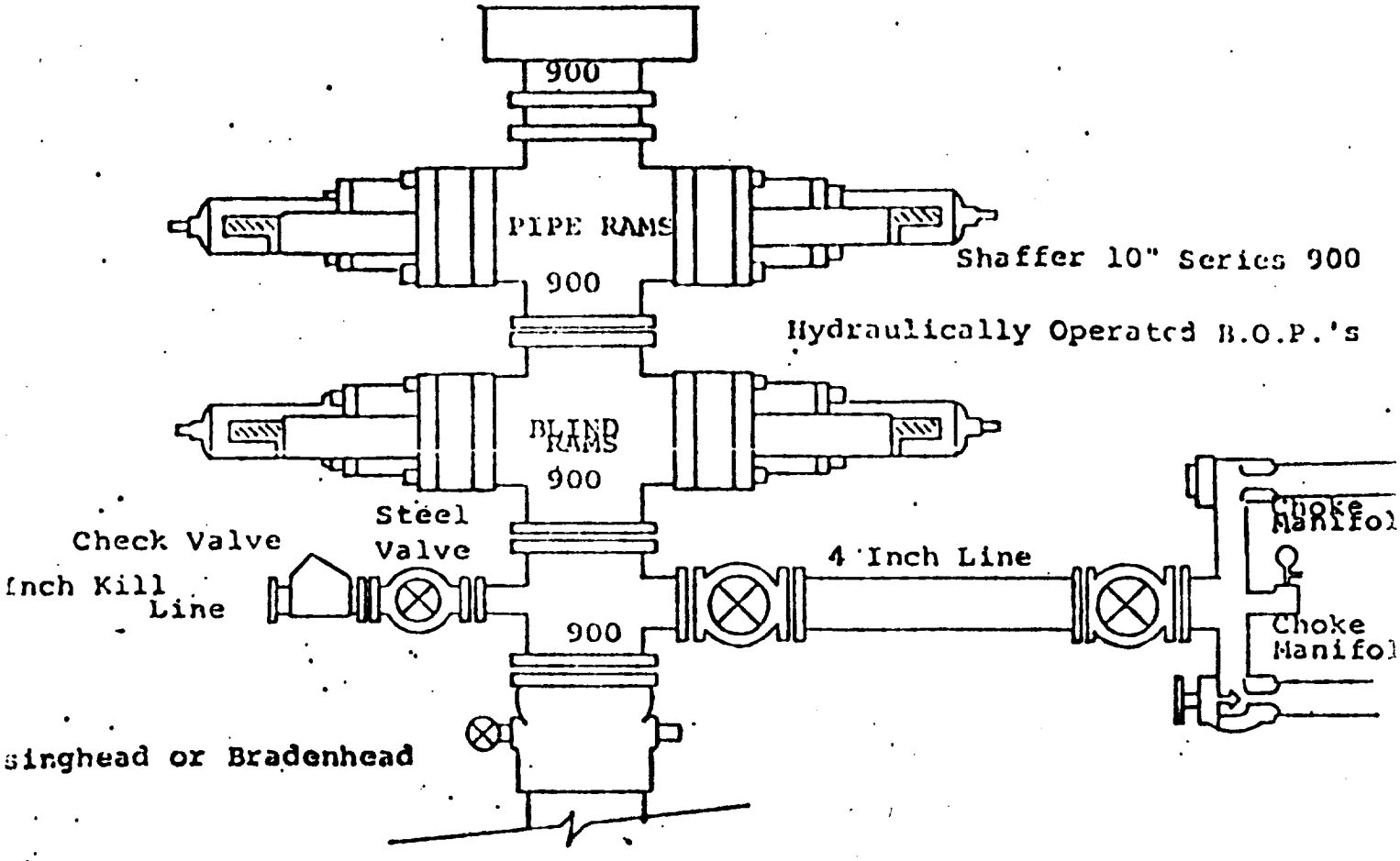
8. Testing,Logging and Coring Program:

   Samples: Surface casing to TD
   DST's: As Warranted
   Logging: Surface casing to TD
   Coring: CNL-FDC TD to casing with GR-CNL on to surface and DLL from TD to casing.

9. No abnormal pressures or temperatures are anticipated.

10. Anticipated starting date: As soon as possible after approval.

EXHIBIT B



E FOLLOWING CONSTITUTE MINIMUM BLOWOUT PREVENTER REQUIREMENTS

All preventers to be hydraulically operated with secondary manual control installed prior to drilling out from under casing.
Choke outlet to be a minimum of 4" diameter.
Kill line to be of all steel construction of 2" minimum diameter.
All connections from operating manifolds to preventers to be all steel. hole or tube a minimum of one inch in diameter.
The available closing pressure shall be at least 15% in excess of that required with sufficient volume to operate the B.O.P.'s.
All connections to and from preventer to have a pressure rating equivale to that of the B.O.P.'s.
Inside blowout preventer to be available on rig floor.
Operating controls located a safe distance from the rig floor.
Hole must be kept filled on trips below intermediate casing. Operator not responsible for blowouts resulting from not keeping hole full.
D. P. float must be installed and used below zone of first gas intrusion