

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

*C/SF*

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK  
DRILL ☒ DEEPEN ☐ PLUG BACK ☐

b. TYPE OF WELL  
OIL WELL ☐ GAS WELL ☒ OTHER ☐ SINGLE ZONE ☐ MULTIPLE ZONE ☐

2. NAME OF OPERATOR  
Yates Petroleum Corporation ✓

3. ADDRESS OF OPERATOR  
207 S. 4th, Artesia, New Mexico 88210

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)  
At surface 960' FNL & 660' FEL  
At proposed prod. zone same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE  
Approx. 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 640

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. 4250'

19. PROPOSED DEPTH 4250'

20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3753.6' 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
12 1/4"	8 5/8"	40.5# J-55	Approx. 850'	560' sx. circ.
7 7/8" or 6 1/2"	4 1/2"	10.5#	TD	350 sx

We propose to drill and test the Abo and intermediate formations. Approximately 850' of surface casing will be set and cement circulated to shut off gravel and casing. If needed (lost circulation) 7" intermediate casing will be run to 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 850' Brine to 3500', Brine and KCL water to TD MW 10-10.2.

BOP PROGRAM: BOP's will be installed at approximately 850' and tested daily.

GAS 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 *Ken Beardsley* TITLE Regulatory Coordinator DATE 3-3-82

(This space for Federal or State office use)

PERMIT NO. APPROVED

APPROVED BY *JAG* DATE MAR 10 1982

CONDITIONS OF APPROVAL, IF ANY JAMES A. CILLHAM DISTRICT SUPERVISOR

APPROVAL SUBJECT TO GENERAL REQUIREMENTS AND SPECIAL STIPULATIONS ATTACHED

5. LEASE DESIGNATION AND SERIAL NO. NM 10588 MAR 11 1982

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME O. C. D. ARTESIA, OFFICE

8. FARM OR LEASE NAME George "QJ" Federal

9. WELL NO. 4

10. FIELD AND POOL OR WILDCAT *Pecos Lake* *Updated* Abo

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA *ut-A* Sec. 35-T6S-R25E

12. COUNTY OR PARISH Chaves

13. STATE NM

*Posted ID-1  
API & NL Book  
3-12-82*

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.

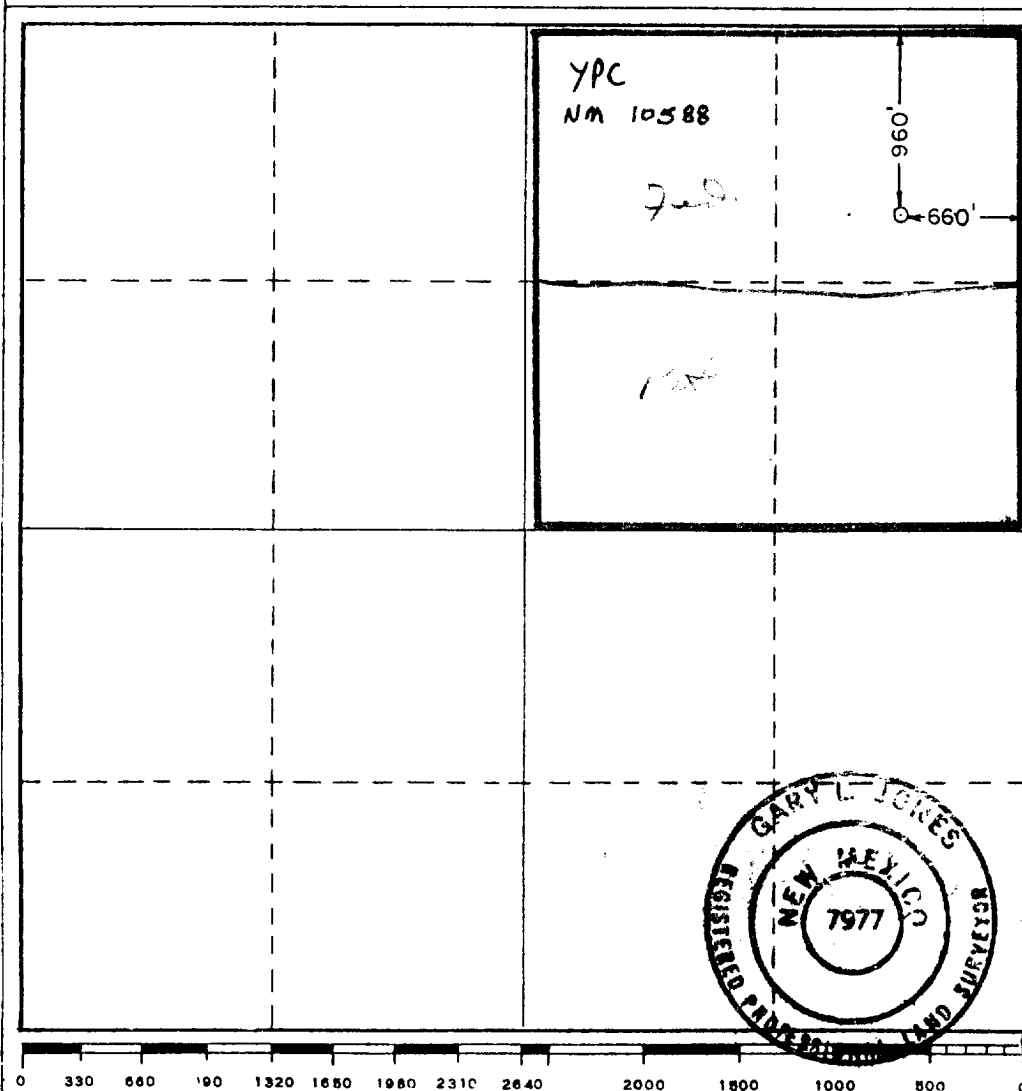
Operator <b>YATES PETROLEUM CORPORATION</b>			Lease <b>George QJ Federal</b>		Well No. <b>4</b>
Unit Letter <b>A</b>	Section <b>35</b>	Township <b>6 South</b>	Range <b>25 East</b>	County <b>Chaves</b>	
Actual Footage Location of Well: <b>960</b> feet from the <b>North</b> line and <b>660</b> feet from the <b>East</b> line					
Ground Level Elev. <b>3753.6'</b>	Producing Formation <b>ABO</b>		Pool <b>Jacos Store</b> <b>Jacos Abo</b>		Dedicated Acreage: <b>160</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 \_\_\_\_\_

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.

*Ken Beardemph1*

Name

*Ken Beardemph1*

Position

*Regulatory Coordinator*

Company

*Yates Petroleum Corporation*

Date

*3-3-82*

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

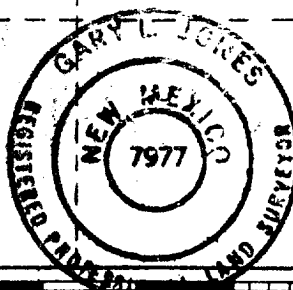
*2/10/82*

Registered Professional Engineer and/or Land Surveyor

*Amey QJ Shes*

Certificate No.

*7977*



0 330 660 990 1320 1650 1980 2310 2640 2000 1800 1000 500 0

960' FNL & 660' FEL

Section 35-T6S-R25E

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 residium.

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

San Andres	433'
Glorieta	1574'
Fullerton	2986'
Abo	3643'
TD	4250'

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

Water: Approximately 250-300'.

Oil or Gas: 3660'

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 and Logging Program:

Samples: Surface casing to TD

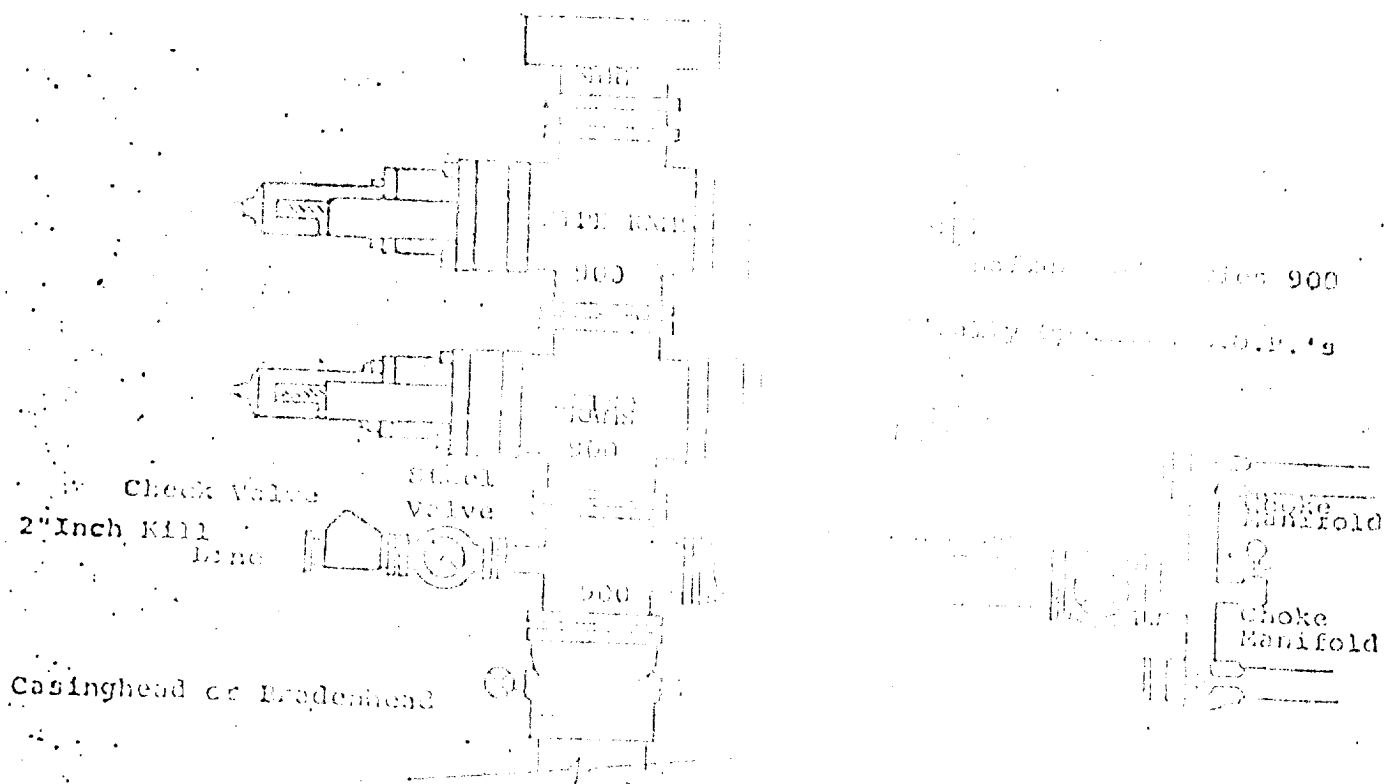
DST's: As Warranted.

Coring: None

Logging: Intermediate casing to TD. 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.



THE FOLLOWING CONSTITUTE THE MINIMUM REQUIREMENTS

1. All preventers to be hydraulically operated with secondary manual controls installed prior to drilling, set from the rig floor.
2. Choke outlet to be a minimum of 4" diameter.
3. Kill line to be of all steel construction with a minimum diameter.
4. All connections from operating manifold to wellbore to be all steel, hole or tube a minimum of one inch in diameter.
5. The available closing pressure shall be at least 10% in excess of that required with sufficient volume to operate at B.O.P.'s.
6. All connections to and from preventer to wellbore pressure shall be equivalent to that of the B.O.P.'s.
7. Inside blowout preventer to be available from the rig floor.
8. Operating controls located a safe distance from the rig floor.
9. Hole must be kept filled on trips below the last casing. Operator not responsible for blowouts resulting from a "sleeping hole" well.
10. B. P. float must be installed and used to detect first gas invasion.

