

50-005-61917  
c/87

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

5. LEASE DESIGNATION AND SERIAL NO.  
NM-16322  
6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
7. UNIT AGREEMENT NAME  
8. FARM OR LEASE NAME  
Cummings "TO" Federal  
9. WELL NO.  
2  
10. FIELD AND POOL, OR WILDCAT  
~~Under~~ Pecos Slope Abo  
11. SEC., T., R., M., OR BLK.  
AND SURVEY OR AREA  
Sec. 14-T8S-R25E  
12. COUNTY OR PARISH | 13. STATE  
Chaves | NM

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK  
DRILL  DEEPEN  RECEIVED BACK   
b. TYPE OF WELL  
OIL WELL  GAS WELL  OTHER   
2. NAME OF OPERATOR  
Yates Petroleum Corporation  
3. ADDRESS OF OPERATOR  
207 S. 4th, Artesia, New Mexico 88210  
O. C. D. OFFICE  
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*  
At surface 1980' FNL and 660' FEL  
At proposed prod. zone 1980  
same  
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
approximately 16 miles ENE of Roswell, NM.  
15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)  
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.  
19. PROPOSED DEPTH  
4300'  
20. ROTARY OR CABLE TOOLS  
Rotary  
21. ELEVATION (Show whether DP, RT, GR, etc.)  
3540.8' GL  
22. APPROX. DATE WORK WILL START\*  
ASAP

JAN 18 1983

W G

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
14 3/4"	10 3/4"	40.5# J-55	840'	600 sx circulated
7 7/8"	4 1/2"	9.5#	TD	450 sx

*Partial to be drilled by Book 83*

We propose to drill and test the Abo and intermediate formations. Approximately 840' of surface casing will be set and cement circulated to shut off gravel and caving. If needed (lost circulation) 8 5/8" intermediate casing will be run to 1500' and cemented with enough cement calculated to tie back into the surface casing. If commercial, production casing will be run and cemented with adequate cover, perforate and stimulate as needed for production.

MUD PROGRAM: FW gel & LCM to 840', Brine to 3200', Brine & KCL water to TD.

BOP PROGRAM: BOP's will be installed at the offset 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 12/2/82

(This space for Federal or State office use)

PERMIT NO. APPROVED  
(ORIG. SGD.) DAVID R. GLASS  
APPROVED BY TITLE  
CONDITIONS OF APPROVAL  
JAN 13 1983  
*For* JAMES A. GILLHAM  
DISTRICT SUPERVISOR

RECEIVED  
DEC 2 1982

OIL & GAS  
U.S. GEOLOGICAL SURVEY  
ROSWELL, NEW MEXICO

UNITED STATES Artesia, NM 88210  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

5. LEASE  
NM-16322

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
Cummings "TO" Federal

9. WELL NO.  
2

10. FIELD OR WILDCAT NAME  
~~Under~~ Pecos Slope Abo

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Sec. 14-T8S-R25E

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

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)  
3543.2' GL

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

RECEIVED

JAN 18 1983

1. oil well  gas well  other

2. NAME OF OPERATOR  
Yates Petroleum Corporation O.C.D.  
ARTESIA OFFICE

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

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
AT SURFACE: 1980' FNL and 1980' FEL  
AT TOP PROD. INTERVAL:  
AT TOTAL DEPTH: same

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:	SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF <input type="checkbox"/>	<input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	<input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	<input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	<input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	<input type="checkbox"/>
MULTIPLE COMPLETE <input type="checkbox"/>	<input type="checkbox"/>
CHANGE ZONES <input type="checkbox"/>	<input type="checkbox"/>
ABANDON* <input type="checkbox"/>	<input type="checkbox"/>
(other) <u>move location</u>	

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Moved per BLM.

Moved location from: 1980' FNL and 660' FEL  
Sec. 14-T8S-R25E

to: 1980' FNL and 1980' FEL  
Sec. 14-T8S-R25E

New map attached.

RECEIVED  
DEC 20 1982

OIL & GAS  
U.S. GEOLOGICAL SURVEY  
ROSWELL, NEW MEXICO

Subsurface Safety Valve: Manu. and Type \_\_\_\_\_ Set @ \_\_\_\_\_ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED [Signature] TITLE Regulatory Coordinator DATE 12/17/82

APPROVED

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL IF ANY

(ORIG. SGD.) DAVID R. GLASS  
JAN 13 1983  
For JAMES A. GILLHAM  
DISTRICT SUPERVISOR \*See Instructions on Reverse Side

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.

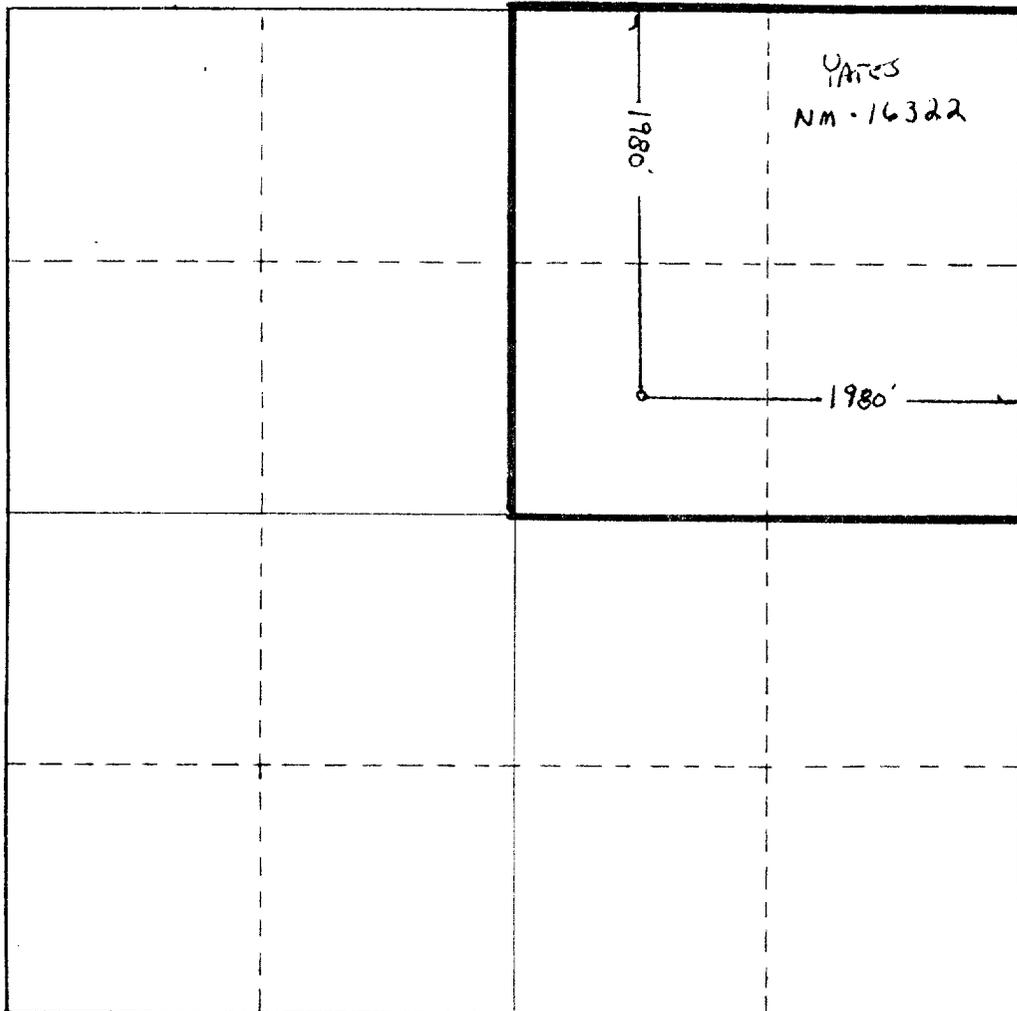
Operator YATES PETROLEUM CORPORATION		Lease Cummings "TO" Federal			Well No. 2
Unit Letter G	Section 14	Township 8 South	Range 25 East	County Chaves	
Actual Footage Location of Well:					
1980 feet from the North line and		1980 feet from the East line			
Ground Level Elev. 3543.2'	Producing Formation Abo	Depth <del>2400</del> Pecos Slope Abo	Dedicated Acreage: 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 \_\_\_\_\_

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

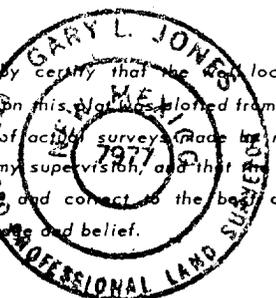
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

*Ken Beardemphl*

Name  
Ken Beardemphl  
Position  
Regulatory Coordinator  
Company  
Yates Petroleum Corp.

Date  
12/17/82

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  
December 15, 1982

Registered Professional Engineer and/or Land Surveyor  
*Gary L. Jones*

Certificate No.  
7977





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>Cummings "T0" Federal</b>		Well No. <b>2</b>
Unit Letter <b>H</b>	Section <b>14</b>	Township <b>8 South</b>	Range <b>25 East</b>	County <b>Chaves</b>	

Actual Footage Location of Well:  
**1980** feet from the **North** line and **660** feet from the **East** line

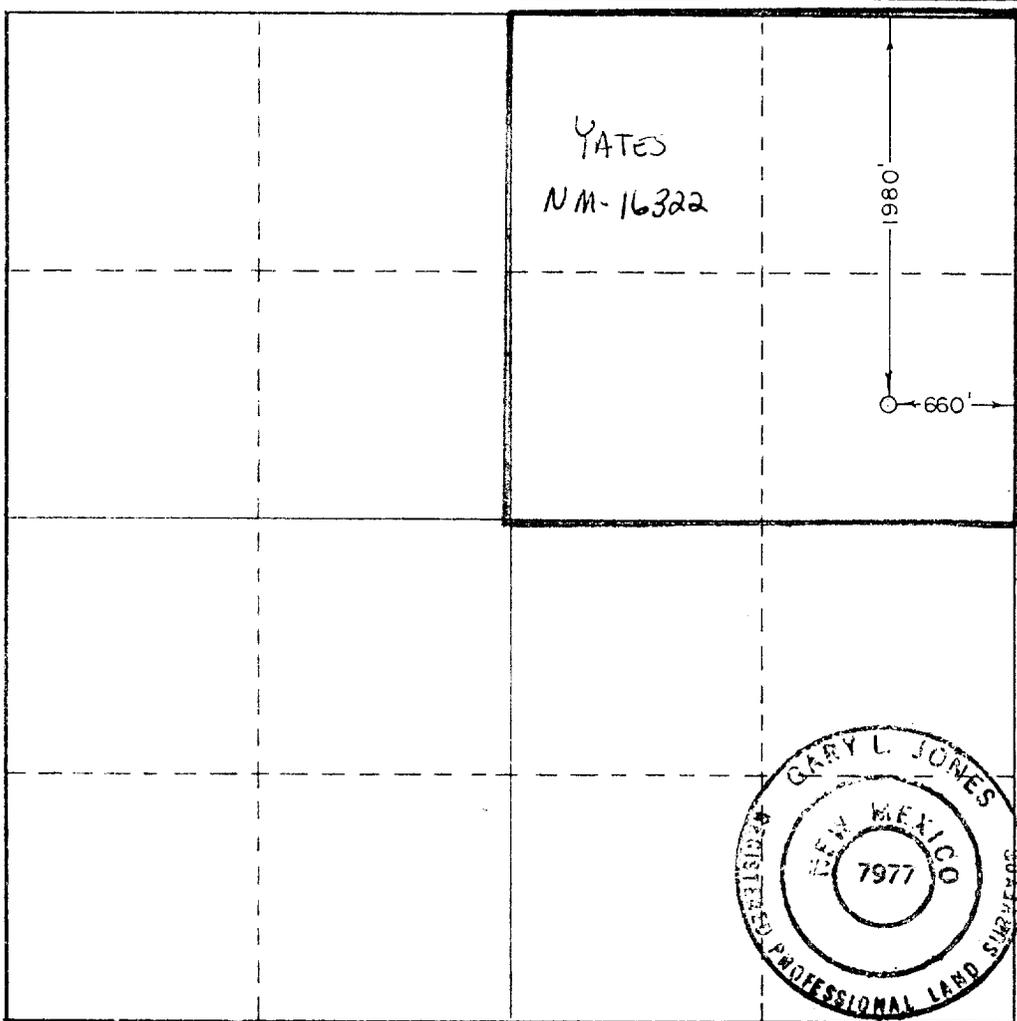
Ground Level Elev. <b>3540.6'</b>	Producing Formation <b>Abo</b>	Pool <b>Under. Texas Slope Abo</b>	Dedicated Acreage: <b>160</b> Acres
--------------------------------------	-----------------------------------	---------------------------------------	----------------------------------------

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 Beardemphl*  
Name

Ken Beardemphl  
Position  
Regulatory Coordinator

Yates Petroleum Corp.  
Company

11/2/82  
Date

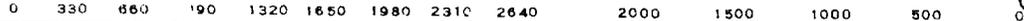
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

October 28, 1982  
Date Surveyed

Registered Professional Engineer and/or Land Surveyor

*Gary L. Jones*  
Certificate No.

7977



YATES PETROLEUM CORPORATION  
Cummings "TO" Federal #2  
1980' FNL and 660' FEL  
Sec. 14-T8S-R25E

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

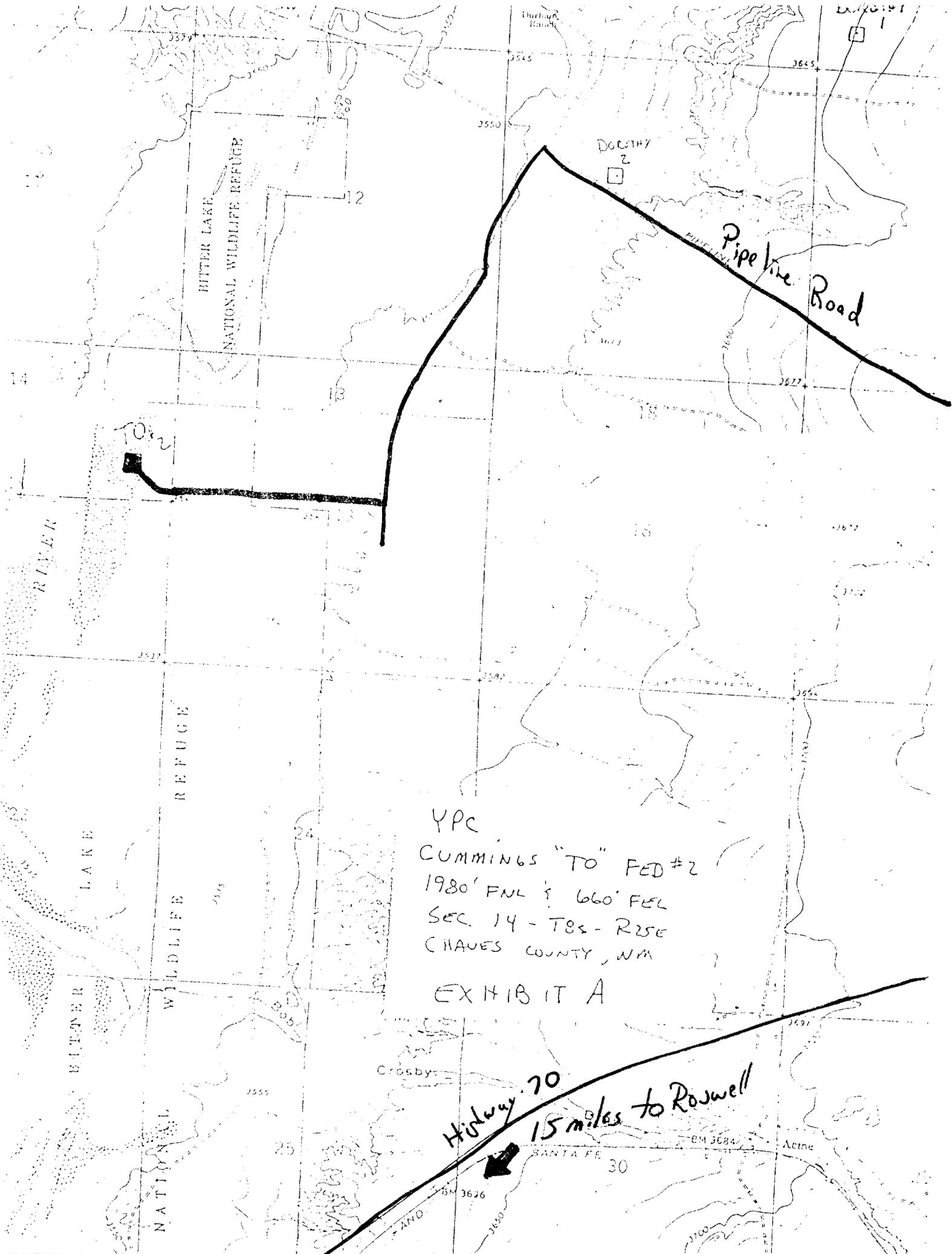
<u>San Andres</u>	<u>388'</u>
<u>Glorieta</u>	<u>1519'</u>
<u>Fullerton</u>	<u>2946'</u>
<u>Abo</u>	<u>3670'</u>
<u>TD</u>	<u>4300'</u>

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

Water: Approximately 250'

Oil or Gas: Abo 3995'

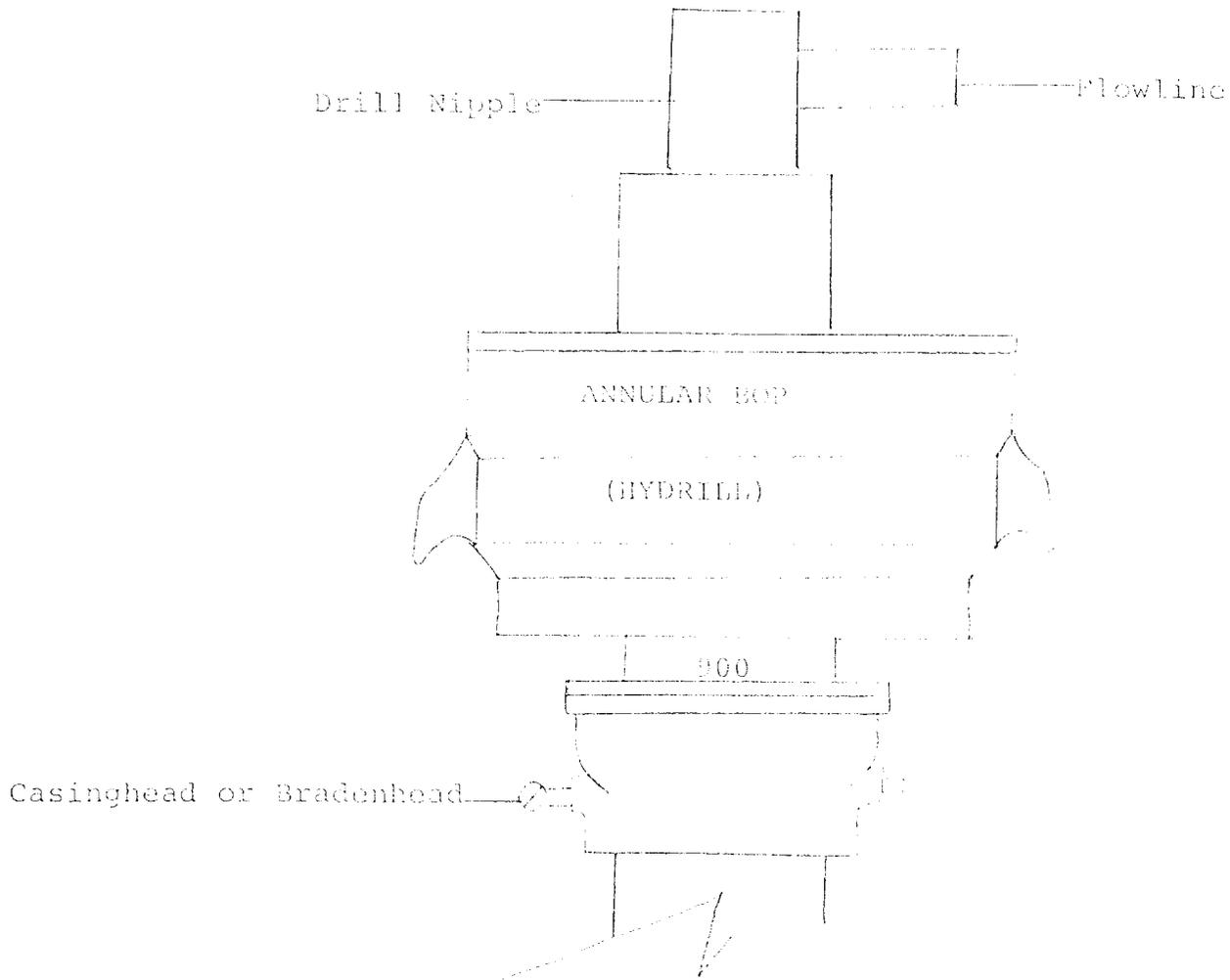
4. Proposed Casing Program: See Form 9-331C.
5. Pressure Control Equipment: See Form 9-331C and Exhibit B.
6. Mud Program: See Form 9-331C.
7. Auxiliary Equipment: Kelly Cock; pit level indicators and flow sensor equipment; sub with full-opening valve on floor, drill pipe connection.
8. Testing, Logging and Coring Program:  
Samples: Surface casing to TD.  
DST's: As warranted  
Coring: As warranted  
Logging: CNL-FDC TD to csg w/GR-CNL to surface & DLL from TD to csg
9. No abnormal pressures or temperatures are anticipated.
10. Anticipated starting date: As soon as possible after approval.



YPC  
CUMMINGS "TO" FED #2  
1980' FNL & 660' FEL  
SEC. 14 - T8s - R25E  
CHAVES COUNTY, NM  
EXHIBIT A

Highway 70  
15 miles to Roswell

EXX11017-D



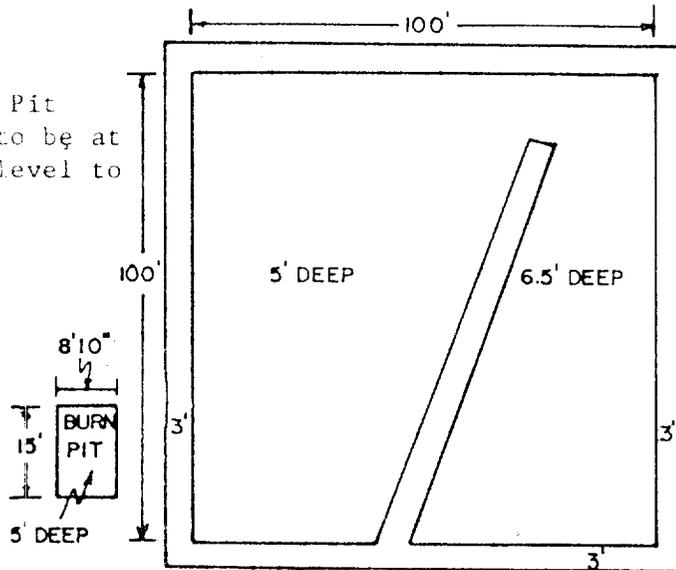
THE FOLLOWING CONSTITUTE MINIMUM BLOWOUT PREVENTER REQUIREMENTS

1. All preventers to be hydraulically operated with secondary manual controls installed prior to drilling out from under casing.
2. All connections from operating manifolds to preventers to be all steel. Hole or tube a minimum of one inch in diameter.
3. The available closing pressure shall be at least 15% in excess of that required with sufficient volume to operate the BOP's.
4. All connections to and from preventer to have a pressure rating equivalent to that of the BOP's.
5. Hole must be kept filled on trips below intermediate casing.

# YATES PETROLEUM CORP.

## Exhibit C

Reserve Pit  
bottom to be at  
ground level to  
1 ft.



NOTE:

Inside walls must be as  
high and wide as outer  
walls of pit.

