

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

SUBMIT IN LOCATE
(Other instructions on reverse side)
O. C. D.
ARTESIA, OFFICE

Form approved.
Budget Bureau No. 42-B1425.

30-015-25121

5. LEASE DESIGNATION AND SERIAL NO.

NM 8673

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

1830' FNL and 660' FEL

At proposed prod. zone

same

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

Approximately 24 miles SE of Artesia, N.M.

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drig. unit line, if any)

660

16. NO. OF ACRES IN LEASE

17. NO. OF ACRES ASSIGNED
TO THIS WELL

320

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH

12200'

20. ROTARY OR CABLE TOOLS

Rotary

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

3421 GL 3419

22. APPROX. DATE WORK WILL START*

ASAP

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2"	13 3/8"	48# J-55	350'	350 sx circulated
12 1/2"	9 5/8"	36# J-55	1900'	900 sx circulated
(8 3/4"	7 5/8"	optional drillout to 4700')		
7 7/8"	5 1/2" or	20#-17#-20#	N-80 TD	425 sx
	4 1/2"	13.5#-11.6#-13.5#	TD	475 sx

We propose to drill and test the Morrow and intermediate formations. Will set approximately 350' of surface casing to shut off gravel and caving and set the intermediate casing at approximately 1900'. Both strings will be circulated. If commercial, will run 5 1/2" or 4 1/2" and cement with at least 600' of cover.

MUD PROGRAM: 8.3# gel/LCM to 350'; saturated brine to 4700', 8.6# water to 9500'; 9.3#-10# brine, starch/driskpak to 11000'; 9.5#-10.5# brine gel/driskpak/KCL to TD.

BOP PROGRAM: BOP's and hydril on 9 5/8" casing and tested, pipe rams tested daily, blind rams on trips, yellow jacket, pit (continued on next page)

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

Yates Petroleum Corporation

TITLE

Regulatory Agent

DATE

9-24-84

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

Subject to
Like Approval
by State

Unorthodox location

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS
ATTACHED

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

NOV 30 1984

Form C-102
Supersedes C-128
Effective 1-1-65

All distances must be from the outer boundaries of the Section.

O. C. D.

ARTESIA, OFFICE

Operator YATES PETROLEUM CORPORATION		Lease Benson Deep Unit	
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Unit Letter H	Section 4	Township 19 South	Range 30 East	County Eddy
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Actual Footage Location of Well:

1830 feet from the **North** line and **660** feet from the **East** line

Ground Level Elev. 3419.	Producing Formation Morrow	Pool Under Morrow	Dedicated Acreage: 320 Acres
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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.

		Yates Pet. NAPECO, et al NM-11114
		FLAG-REDFERN NM-8673
		RICHARD YATES NM-16636

CERTIFICATION

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

Gliserio Rodriguez
Name
Gliserio Rodriguez

Position
Regulatory Agent

Company
Yates Petroleum Corporation

Date
9-24-84

DAN R. REDDY
NEW MEXICO
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.
REGISTERED PROFESSIONAL ENGINEER
5412

Date Surveyed
September 18, 1984

Registered Professional Engineer and/or Land Surveyor

Dan R. Reddy
Certificate No.

NM PE&LS NO. 5412

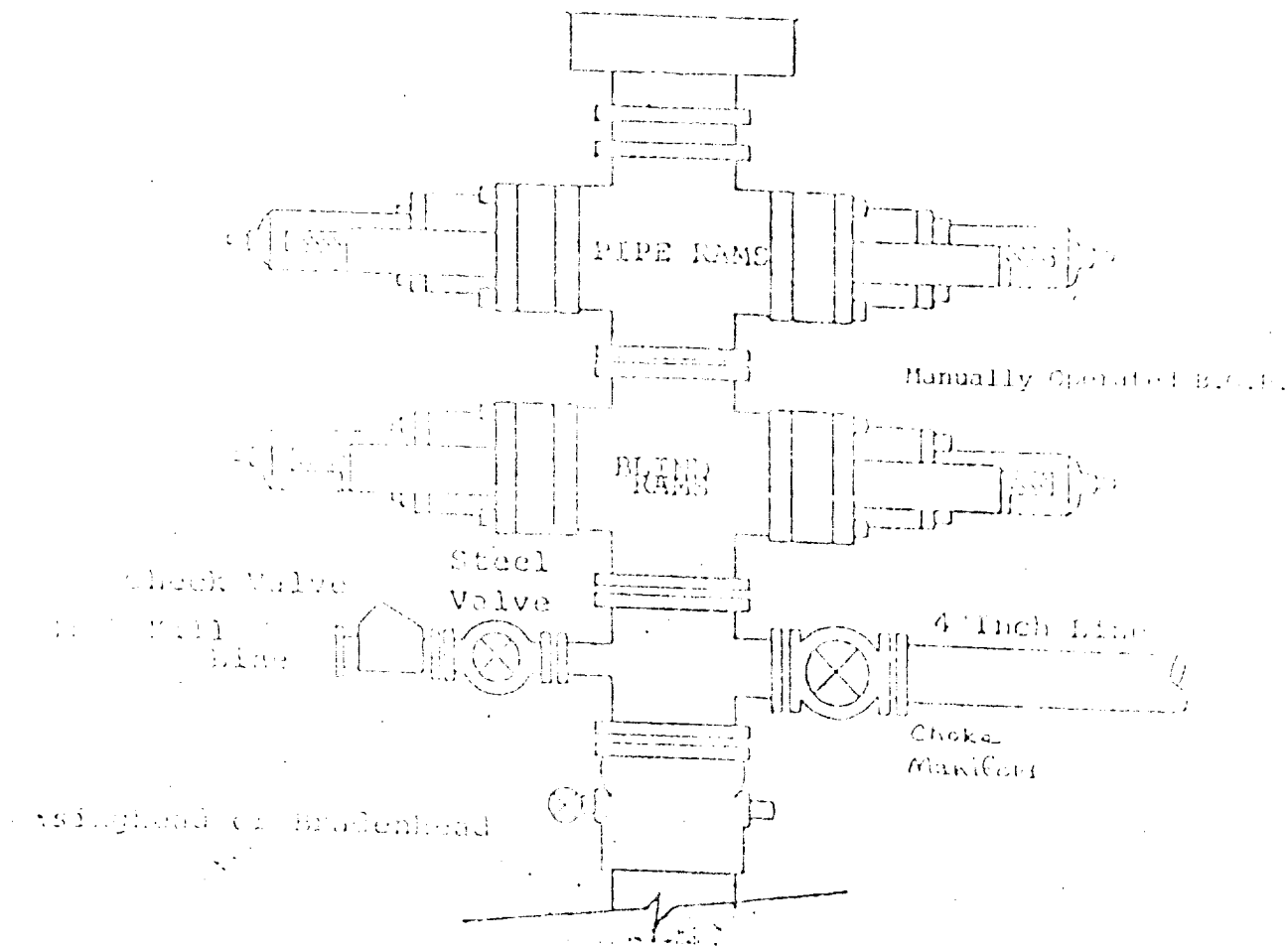
0 330 660 990 1320 1650 1980 2310 2640 2000 1500 1000 500 0

EXHIBIT B

BDP DIAGRAM

10,000
RATED ~~8000~~ ^{10,000}

+ annular



YATES PETROLEUM CORPORATION
Benson Deep Unit #5
1830' FNL and 660' FEL
Sec. 4-T19S-R30E
Eddy County, New Mexico

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

1. The geologic surface formation is sandy alluvium.
2. The estimated tops of geologic markers are as follows:

Yates	1690'	Strawn	10650'
Queen	2800'	Atoka	10980'
Grayburg	3220'	Morrow Clastics	11580'
San Andres	3660'	Lower Morrow	11750'
Bone Springs Limestone	5505'	Chester	11960'
3rd Bone Springs Sand	9105'	TD	12200'
Wolfcamp	9555'		

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

Water: appr. 150-200'.

Oil or Gas: San Andres	3680-3760'	Atoka	11020'
Wolfcamp	9580'	Morrow	11650'

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: 10' samples caught out from under surface casing to TD.
DST's: As warranted.
Coring: None
Mud Logging: One man unit out from under surface casing to TD.
Logging: 2 runs; shallow run; CNL-FDC TD to surf csg w/GR-CNL to surf.
DLL, TD to surf csg. Deep run: CNL-FDC, TD to csg, DLL TD to csg.
w/RxO from TD to 8400'.

9. No abnormal pressures or temperatures are anticipated.
10. Anticipated starting date: As soon as possible after approval

5191 SE
ED LANE SE
12640

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

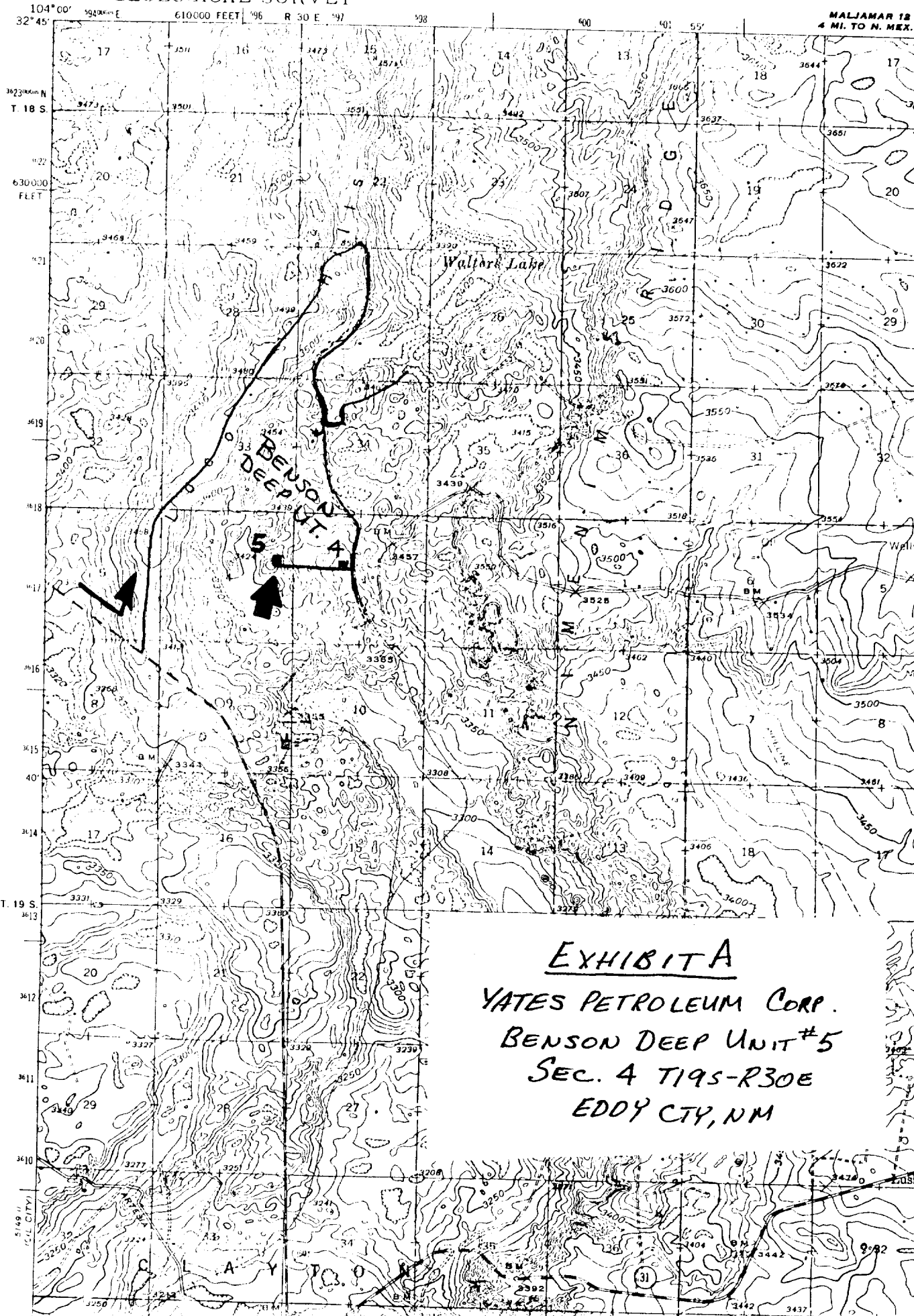


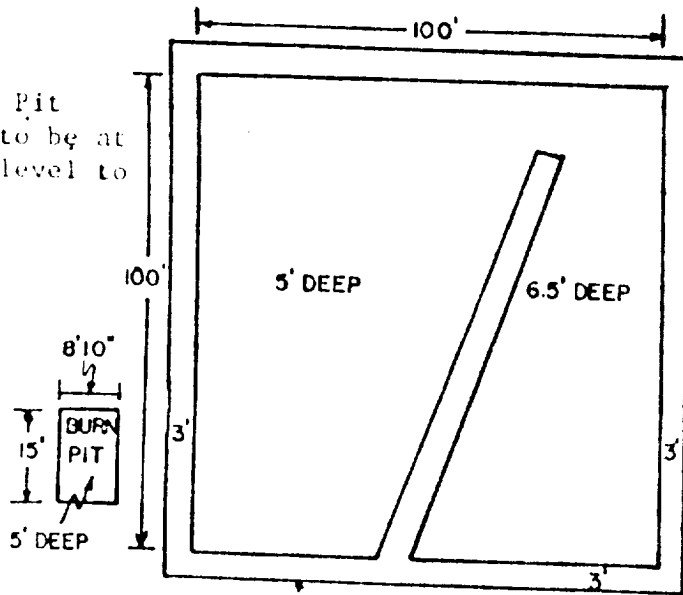
EXHIBIT A

YATES PETROLEUM CORP.
BENSON DEEP UNIT #5
SEC. 4 T19S-R30E
EDDY CTY, NM

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.

