

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
Artesia, NM 88210  
MAY 25 1984  
O.C.D.  
DEEPEEN  
ARTESIA, OFFICE

APPLICATION FOR PERMIT TO DRILL, DEEPEEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

DEEPEEN ☒

PLUG BACK ☐

b. TYPE OF WELL

OIL  
WELL ☒

GAS  
WELL ☐

OTHER

SINGLE  
ZONE ☒

MULTIPLE  
ZONE ☐

2. NAME OF OPERATOR

CASA PETROLEUM, INC.

(R. C. "Patch" Karr)  
(505-746-2415)

3. ADDRESS OF OPERATOR

105 North 6th, Artesia, New Mexico 88210

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*)

At SURF 1880' 1830' FNL & 1980' FWL of Section  
At proposed prod. zone  
same

(Unit F)  
(SE 1/4 NW 1/4)

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

11 air miles southeast of Artesia, New Mexico

15. DISTANCE FROM PROPOSED\*

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

660'

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

NA

16. NO. OF ACRES IN LEASE

120

19. PROPOSED DEPTH

2400' San Andres

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

40

20. ROTARY OR CABLE TOOLS

Rotary

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

3530' F.L. 3541.6' G

22. APPROX. DATE WORK WILL START\*

May 1, 1984

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
11"	8 5/8"	20.0#	350'	Sufficient to circulate
7 7/8"	4 1/2"	9.5#	2300'	200 sacks

Pay zone will be selectively perforated and stimulated as needed for optimum production.

Attached are: 1. Well Location & Acreage Dedication Plat  
2. Supplemental Drilling Data  
3. Surface Use Plan

EXPIRING LEASE: The 5-yr. primary term of NM-36497 will expire on 6-30-84  
in the absence of production or diligent drilling operations

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

James A. Knauft

TITLE

Agent

DATE

April 17, 1984

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

AREA MANAGER  
CARLSBAD RESOURCE AREA

APPROVED

TITLE

DATE

5-24-84

CONDITIONS OF APPROVAL, IF ANY:

APPROVAL SUBJECT TO  
GENERAL REQUIREMENTS AND  
SPECIAL STIPULATIONS

\*See Instructions On Reverse Side

NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102  
Supersedes C-128  
Effective 1-1-85

All distances must be from the outer boundaries of the Section

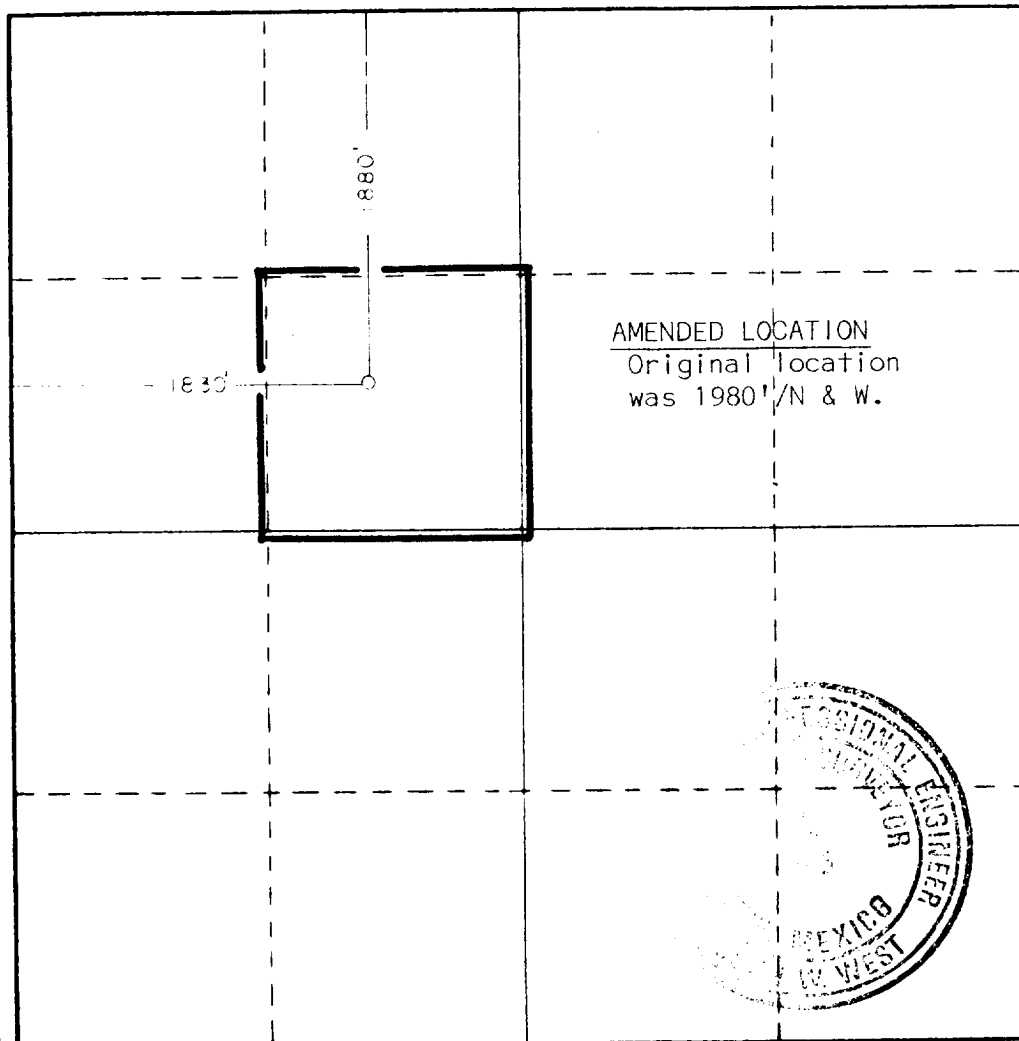
Operator CASA PETROLEUM, INC.		Lease ANADARKO 13 FEDERAL		Well No. 1
Init Letter F	Section 13	Township 18S	Range 27E	County EDDY
Actual Footage Location of Well: 1880 feet from the North line and 1830 feet from the West line				
Ground Level Elev. 3541.6	Producing Formation Grayburg - San Andres	Pool B-G-SA (Oil) Pool	Dedicated Acreage: 40	

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.

*James A. Knauf*  
Name

James A. Knauf

Position  
Agent

Company  
CASA PETROLEUM, INC.

Date  
May 8, 1984

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 2, 1984

Registered Professional Engineer  
and/or Land Surveyor

*John W. West*  
Certificate No. JOHN W. WEST, 676

RONALD J. EIDSON, 3239

**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

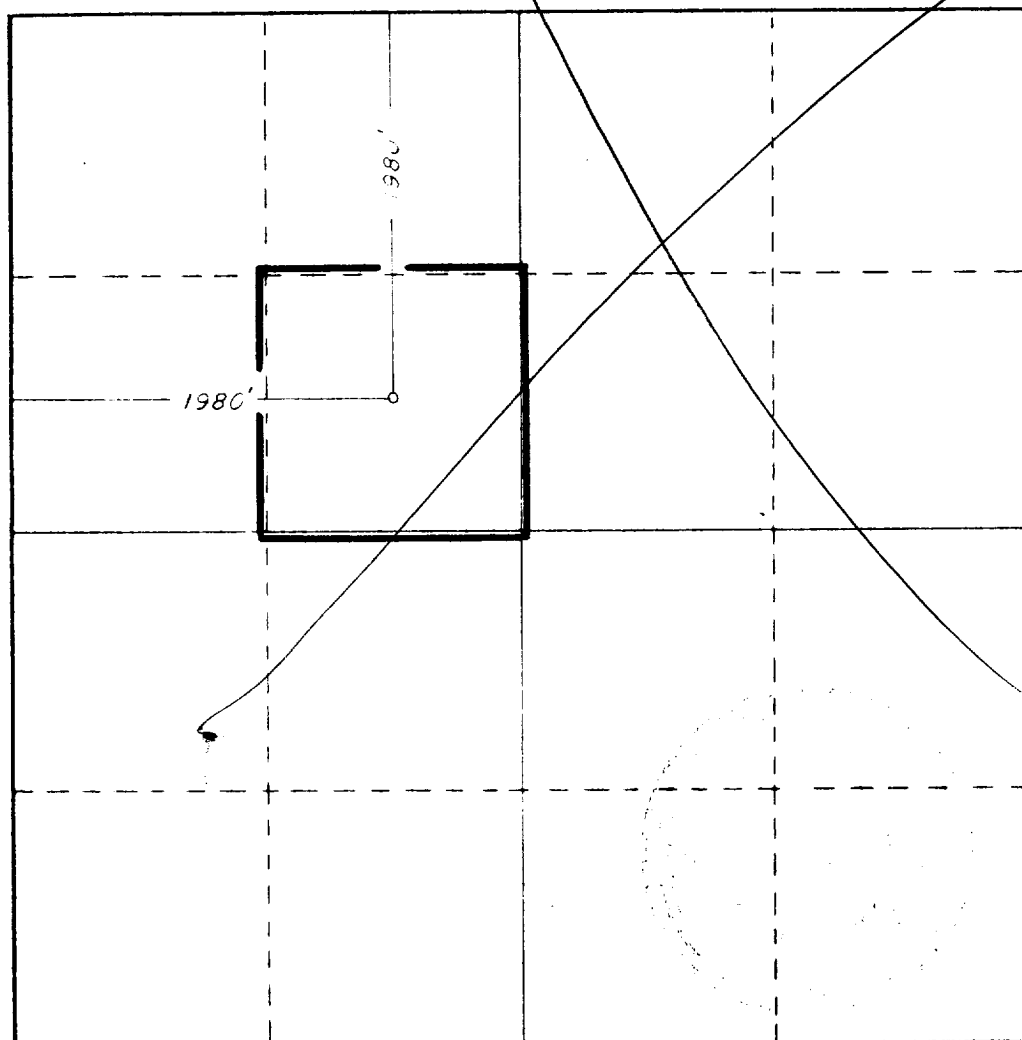
Operator <b>CASA PETROLEUM, INC.</b>			Lease <b>ANADARKO 13 FEDERAL</b>		Well No. <b>1</b>
Unit Letter <b>E</b>	Section <b>13</b>	Township <b>18S</b>	Range <b>27E</b>	County <b>EDDY</b>	
Actual Footage Location of Well: <b>1980</b> feet from the <b>NORTH</b> line and <b>1980</b> feet from the <b>WEST</b> line					
Ground Level Elev. <b>529.6</b>	Producing Formation <b>Grayburg - San Andres</b>		Pool <b>Artesia (Oil)</b>		Dedicated Acreage: <b>40</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.

*James A. Knauf*  
 Name \_\_\_\_\_

James A. Knauf

Position  
 Agent

Company  
 CASA PETROLEUM, INC.

Date  
 April 17, 1984

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.

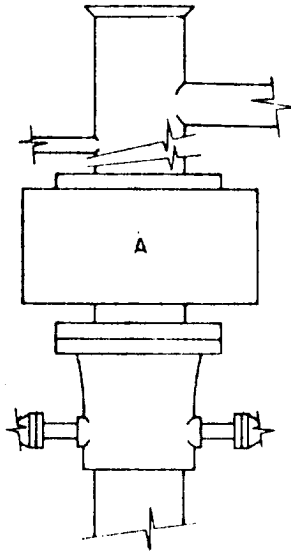
Date Surveyed  
 4/11/84

Registered Professional Engineer  
 and/or Land Surveyor

*Ronald J. Eidson*  
 Certificate No. **JOHN W. WEST, 676**  
**RONALD J. EIDSON, 3239**

BLOWOUT PREVENTER ARRANGEMENT

Casa Petroleum, Inc.  
Well #1 Anadarko 13 Federal  
SE $\frac{1}{4}$ NW $\frac{1}{4}$  Sec. 13-18S-27E  
Eddy County, New Mexico



**ARRANGEMENT A**

## SUPPLEMENTAL DRILLING DATA

CASA PETROLEUM, INC.  
WELL #1 ANADARKO 13 FEDERAL  
SE-NE 13-18S-27E  
EDDY COUNTY, NEW MEXICO

1. SURFACE FORMATION: Artesia Group of Permian Age. (Elev. 3530').

2. ESTIMATED TOPS OF GEOLOGIC MARKERS:

Yates	130'	Grayburg	1610'
Seven Rivers	510'	San Andres	2000'
Queen	1180'	Lovington Sand	2150'

3. ANTICIPATED POROSITY ZONES:

Water	100 - 300'
Oil	1700 - 2200'

4. CASING DESIGN:

<u>Size</u>	<u>Interval</u>	<u>Weight</u>	<u>Grade</u>	<u>Joint</u>
8 5/8"	0 - 350'	20.0 #	K-55	STC
4 1/2"	0 - 2300'	9.5#	K-55	STC

5. SURFACE CONTROL EQUIPMENT: A double ram-type or annular BOP will be used.

6. CIRCULATING MEDIUM: Fresh water mud conditioned as necessary for control of viscosity and water loss.

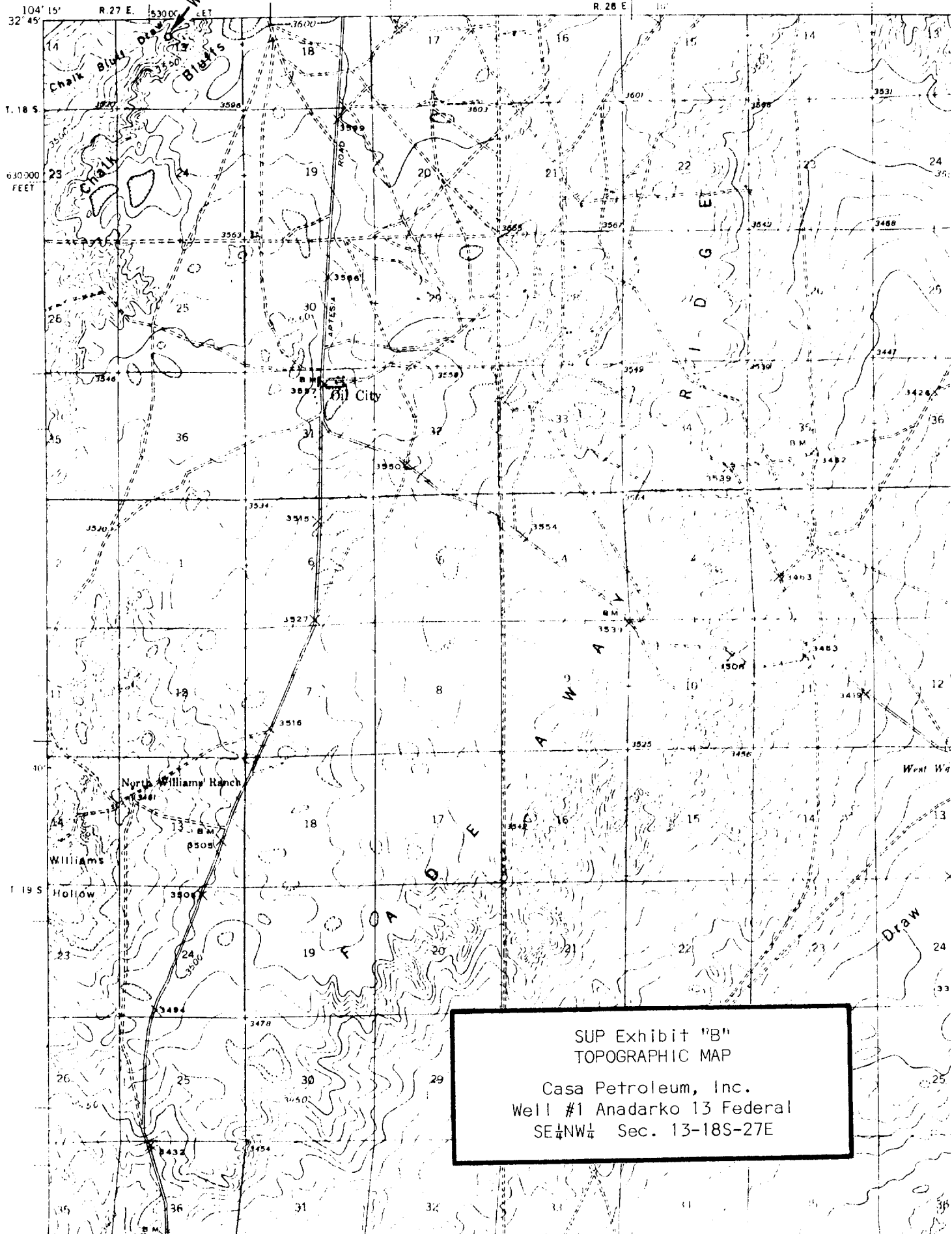
7. AUXILIARY EQUIPMENT: None considered necessary on this shallow development well.

8. TESTING, LOGGING AND CORING PROGRAMS: No coring or DST's are planned. Electric logs will include a Compensated Neutron Log with Gamma Ray.

9. ABNORMAL PRESSURES, TEMPERATURES OR GASES: None anticipated.

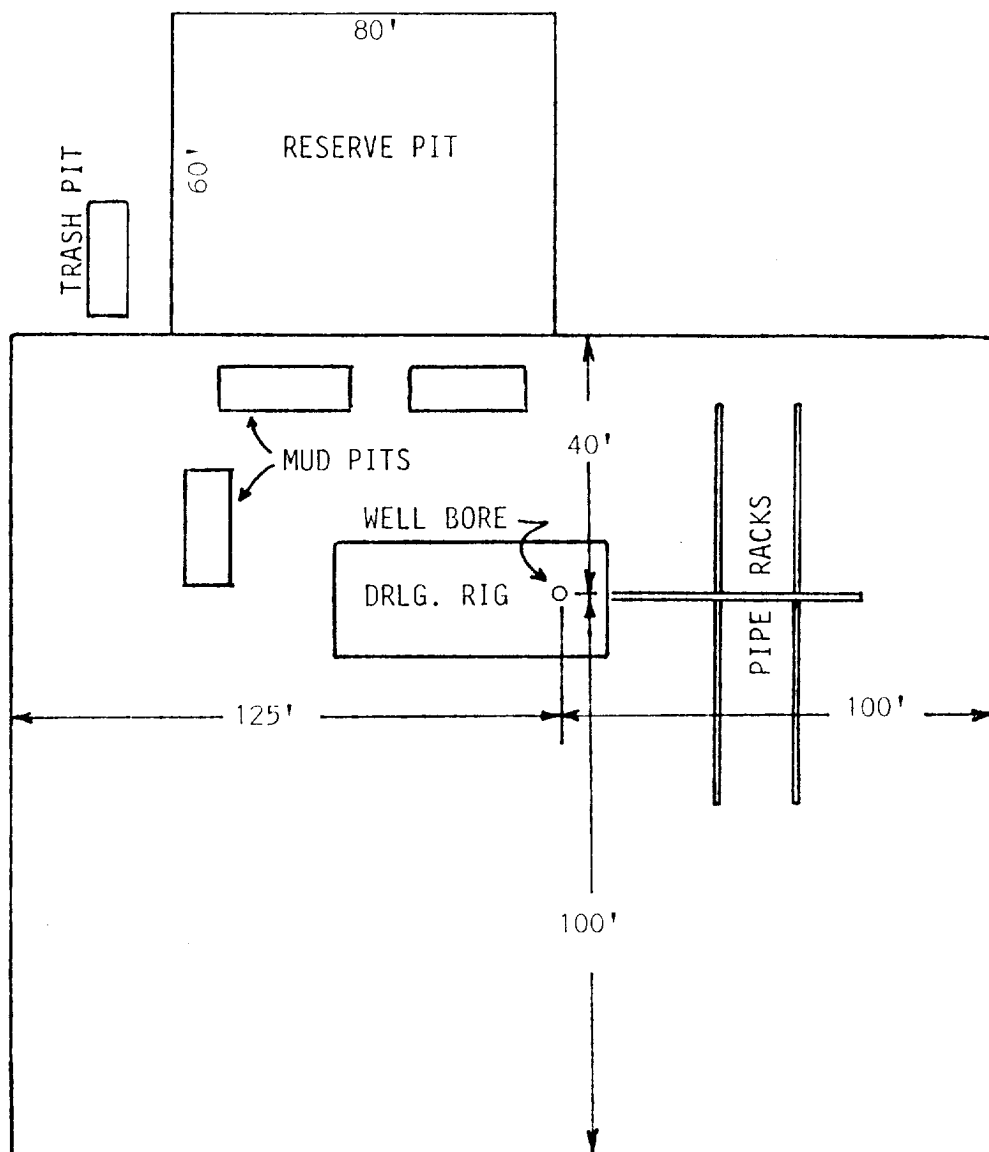
10. ANTICIPATED STARTING DATE: It is planned that operations will commence about May 1, 1984. Duration of drilling, completion and testing operations should be 1 to 5 weeks.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY



SUP Exhibit "B"  
TOPOGRAPHIC MAP

Casa Petroleum, Inc.  
Well #1 Anadarko 13 Federal  
SE  $\frac{1}{4}$  NW  $\frac{1}{4}$  Sec. 13-18S-27E



SUP Exhibit "D"  
SKETCH OF WELL PAD  
Casa Petroleum, Inc.  
Well #1 Anadarko 13 Federal  
SE $\frac{1}{4}$ NW $\frac{1}{4}$  Sec. 13-18S-27E