

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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

Commanche Oil & Gas Company

3. ADDRESS OF OPERATOR

316 Building of the Southwest, Midland, Texas, 79701

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

At surface

1980' FSL and 1980' FWL Section 14, T14S, R28E

At proposed prod. zone

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

14 miles East Hagerman, New Mexico

15. DISTANCE FROM PROPOSED*

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

18. DISTANCE FROM PROPOSED LOCATION*

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

16. NO. OF ACRES IN LEASE

19. PROPOSED DEPTH

1900

17. NO. OF ACRES ASSIGNED
TO THIS WELL

160

20. ROTARY OR CABLE TOOLS

Rotary

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

3600.3 GL

22. APPROX. DATE WORK WILL START*

February 10, 1978

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
11 1/4"	8 5/8"	29#	300'	150 Sacks Circulated
7 7/8"	5 1/2"	15 1/2#	1850'	250 sacks

RECEIVED

JAN 23 1978

U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

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

TITLE Agent

DATE 1/23/78

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

FEB 27 1978

APPROVED BY

TITLE ACTING DISTRICT ENGINEER

DATE FEB 27 1978

CONDITIONS OF APPROVAL, IF ANY:

THIS APPROVAL IS RESCINDED IF OPERATIONS
ARE NOT COMMENCED WITHIN 3 MONTHS.
EXPIRES MAY 27 1978

*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

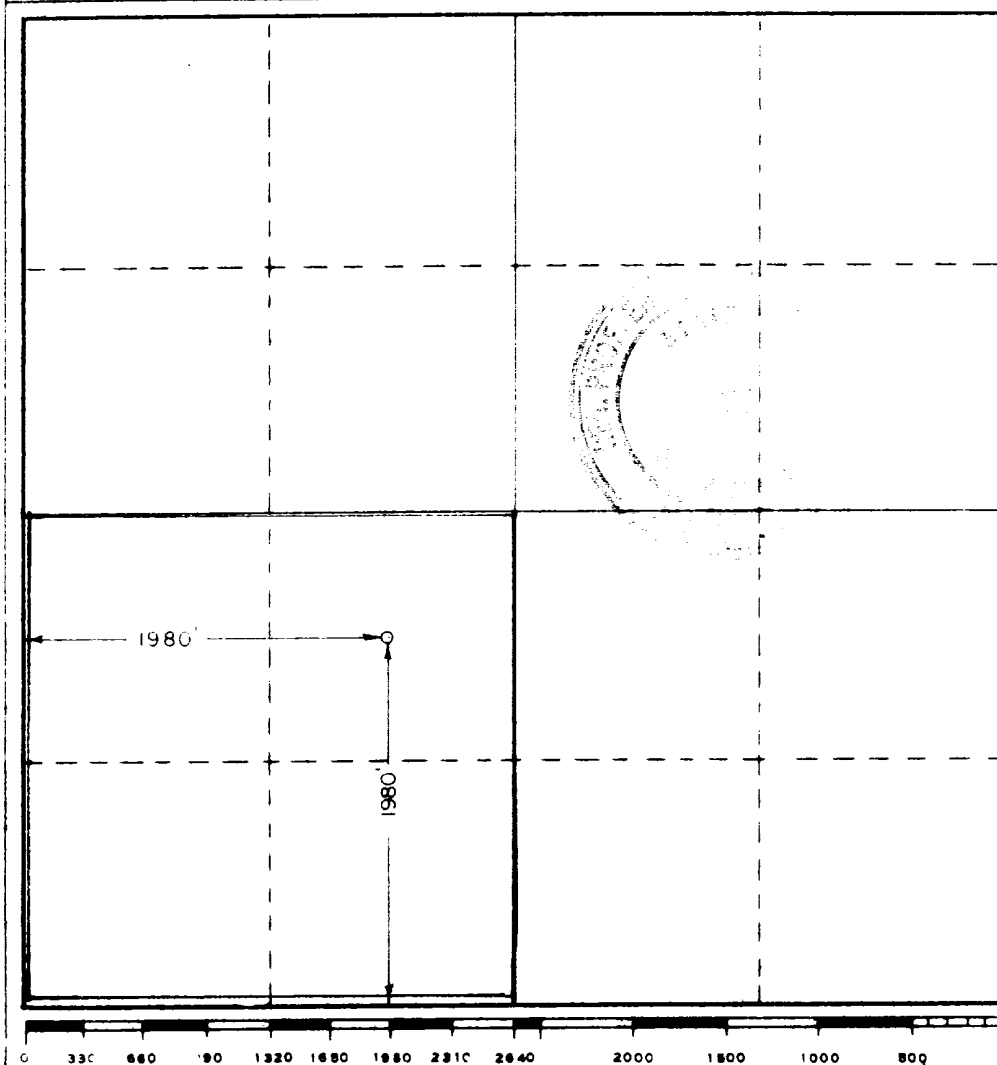
Operator Commanche Oil & Gas Co.		Lease FEDERAL IV Oilman's		Well No. 21
Tract Letter K	Section 14	Township 14 South	Range 28 East	County Chaves
Actual Footage Location of Well: 1980 feet from the South line and 1980 feet from the West line				
Ground Level Elev. 3600.3	Producing Formation GRAYBURG	Pool SAMS RANCH	Dedicated Acreage: 1.60 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 therein 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.

Name
Byung J. Agent
Position
AGENT
Company
COMMANCHE OIL & GAS CO.
Date
JANUARY 4, 1978

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
12/30/77
Registered Professional Engineer and/or Land Surveyor
John W. West
Certificate No. **John W. West 676**
Ronald J. Eidson 3239

Lease No. NM 16099
Commanche Oil & Gas Company
Federal 14

1980' FSL and 1980' FWL Section 14, T14S, R28E
Chaves County, N. M.
Development Well

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U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

1. Existing Roads - Maps showing drillsite location and all existing roads are shown on Exhibit B. From Hagerman, New Mexico, go east for 14 miles on State Road 31, then northwest on an existing gravel road for 1½ miles, then east for 1½ miles then north for 4/10 miles on existing caliche roads.
2. Planned Access Roads - Road will be constructed for approximately 1320' west from existing caliche road. Maximum width will be less than 12 feet and no turnouts will be constructed. Road will be surfaced with caliche in areas where required, with caliche to be transported from pits already in use and shown on attached maps. Nothing in proposed road area will require special drainage as surface is such that no culverts or special drainage facilities will be required. Center line of new road has been staked with flagging visible from one stake to another.
3. Existing Wells are shown on Exhibit A.
4. No gathering or production lines will be necessary as gas purchaser will install all necessary lines. No tank battery will be used as all gas indicates to be dry. All pads and access roads will be used for production and maintenance. If well is non-productive the drilling pad, and such access road as not needed to reach other location will be ripped and restored in accordance with current rules.
5. There are no rivers, creeks, lakes, ponds or water wells in the entire lease area. All water for drilling purposes will be trucked to location over present and to be constructed access roads shown on Exhibit A from the nearest water supply at Hagerman, N.M.
6. Caliche pits and material from mud pits will be the only source of material used in road and pad construction, location is shown on Exhibit A, in SW¼SE¼ Section 10. All material will be hauled over present roads and road to be constructed as shown on Exhibit A.
7. All cutting and drilling fluid will be left in pits and covered after they have dried, which should be in 4 to 6 weeks. All garbage and trash will be kept in containers, placed in trash pit as shown on Exhibit C and covered when well is completed. No well in area has produced water or oil during drilling.
8. No camps or airstrips will be constructed.
9. See Exhibit C. There will be no lining used in mud pits. All equipment and transportation will use only access roads and drilling pad. Mud will be stacked on drilling pad adjacent to mud pump. Only minor leveling and caliche cover will be needed on drilling pad. No significant cuts or fills will be required other than construction of mud pits and reserve pit. The pad and pit area have been staked.
10. At completion of drilling and completion operations all equipment not necessary for well production will be removed, pits will be filled when dried, and trash pit will be covered when completion equipment is moved off. All access roads not needed for other producing wells or lease will be ripped and restored in accordance with current rules as will the pad if well is non-production.
11. Area in general is fairly flat, with sand dunes cresting the principal changes in elevation. Mesquite and scrub oak are primary brush growth, with extremely scanty native grasses and fairly heavy weeds. All surface area is Federal land, as are all roads present and to be constructed. Topsoil is quite sandy underlain by caliche. Land is used for grazing purposes and is classed very low in number of livestock it will maintain because, the extremely sparse vegetation, and the fact there is no natural water above ground in the area for streams or ponds and closest water well to this location is 1 mile southeast. Nothing has been observed in the area that would give indication of archaeological historical or cultural sites. There are no steep hillsides or gullies in the area where road and drilling pad are to be constructed and no drainage or erosion problems should be encountered. Road and pit construction will require little change other than blading and spreading caliche. Wildlife in the area is typical semi-arid natives, number of all are considerable less than average across most of this country. The only structure in area is an occupied ranch house with windmill 1 mile east of proposed location.
12. Operators representative is B. N. Muncy, Jr. P. O. Box 196, Artesia, New Mexico 88210. Telephone Number (505) 746-6651.

Commanche Oil & Gas Company

Federal 14

NM 16099

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I hereby certify that I, or persons under my direct supervision have inspected the proposed drill site and access route; that I'm familiar with the conditions which presently exist; that the statements made in this plan are to the best of my knowledge, true and correct and that the work assisted with the operations proposed herein will be performed by Commanche Oil & Gas Company and its contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

January 20, 1978

Commanche Oil & Gas Company


Agent

[illegible]

1



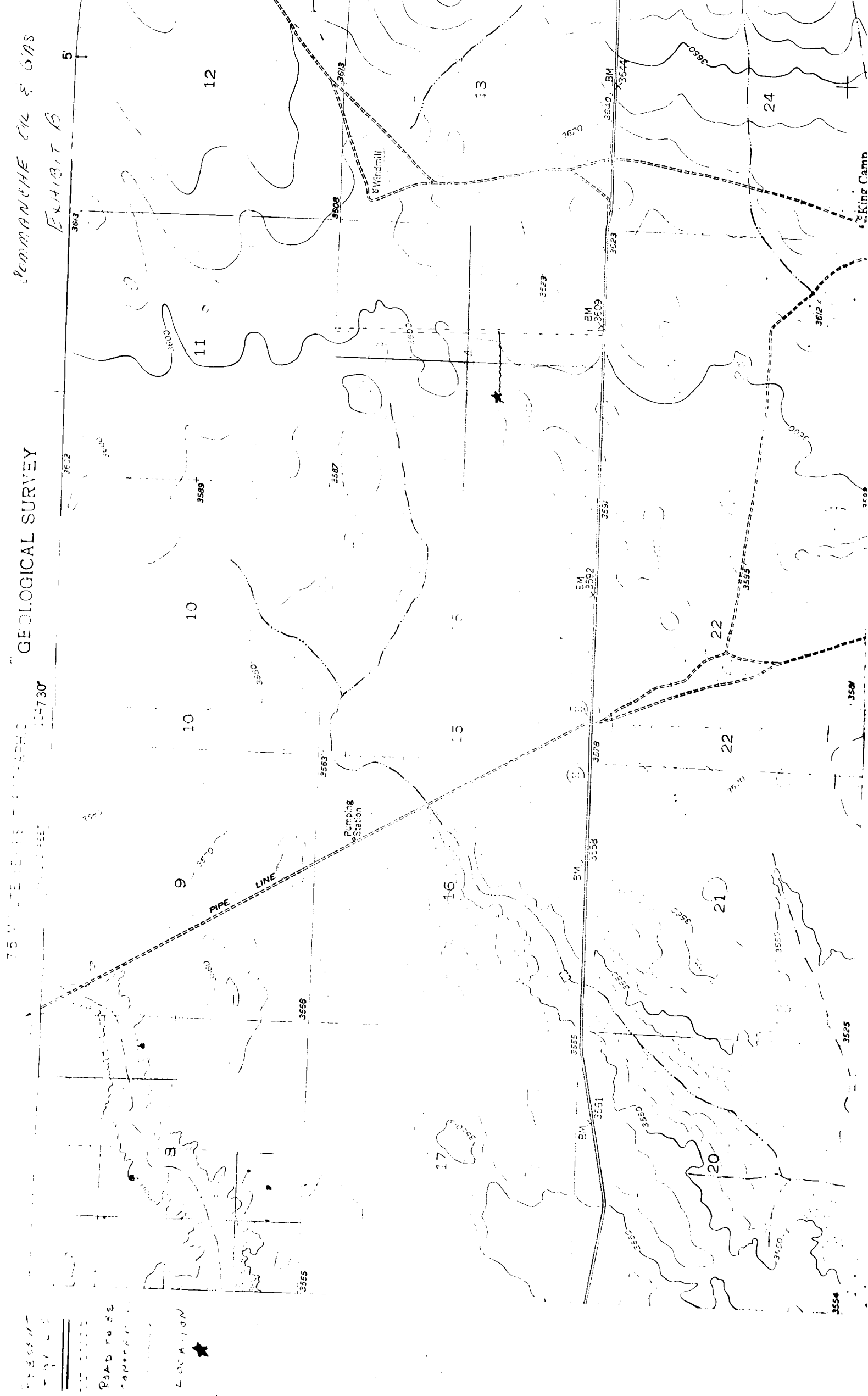
WORK - COPY

COMMACHE DR & GAS
EXHIBIT A

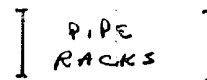
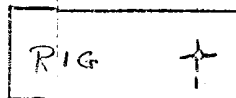
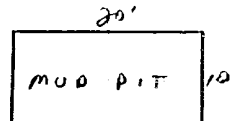
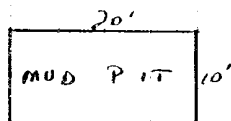
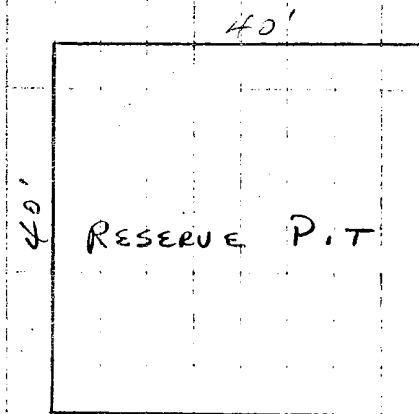
GEOLOGICAL SURVEY

STAG & THE SHEDDING

Exhibit G



N - SCALE 1"=20'



DRILLING PAD - LEVELLED AND CALICHO

100'

PITS WILL BE DUG TO COVER GARBAGE AND TRASH, WHICH WILL BE KEPT IN CONTAINERS UNTIL WELL IS COMPLETED.

COMMANCHE OIL & GAS
EXHIBIT C

FEB 27 1939

FEB 27 1939

ACTING DISTRICT ENGINEER

RECEIVED IN BUREAU
FEB 27 1939

RECEIVED IN BUREAU
FEB 27 1939