

N. O. C. C. COPY  
UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEYSUBMIT IN 7 LIGATE\*  
(Other instr. s on  
reverse siForm approved.  
Budget Bureau No. 42-R1425.

30-015-21597

## 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

Hanagan Petroleum Corporation

## 3. ADDRESS OF OPERATOR

P. O. Box 1737 Roswell, New Mexico 88201

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

At surface 1650' FSL &amp; 660' FEL

At proposed prod. zone  
Same

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

3½ miles north Carlsbad, N.M.

## 15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT. /330'  
(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.

None

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

3194.7 GR

## 23.

## PROPOSED CASING AND CEMENTING PROGRAM

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | QUANTITY OF CEMENT |
|--------------|----------------|-----------------|---------------|--------------------|
| 20           | 16             | 65              | 150-350       | Circ.              |
| 14-3/4 & 12¼ | 9-5/8          | 36 & 40         | 2650          | Circ.              |
| 8½ & 7-7/8   | 5½             | 17 & 20         | 11500         | 400                |

Plan drill 20" to 150', drill 14-3/4" to 350' or until loss circ., drill ream out & set 16" csg. 50' below loss circ. zone. If don't loose circ. by 350', set 16" @ 150'. Will use 10"-1500 Series BOP & Hy-drill w/drlg. head. Flow sensor, pit leveller & gas separator will be installed @ top Wolfcamp anticipated @ 8600' (Yellow Jacket press. test run @ top Wolfcamp). Drill well w/fresh water & native mud from surface to 8600'; 8600' to T.D. low solids fresh water mud 8.9 to 9.5# mud unless higher than anticipated pressures are encountered, vis. 38 to 45, water loss 20 or below.

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

Hugh C. Hanagan

TITLE

Vice President

DATE

7/8/75

(This space for Federal or State office use)

DECLARED WATER BASIN

APPROVED

APPROVED BY

CONDITION OF APPROVAL, IF ANY:

H. L. BEEKMAN

ARTISIA DISTRICT ENGINEER

SUBJECT TO ATTACHED DEEP WELL CONTROL

REQUIREMENTS DATED

JUN 27 1975

TITLED TO

NMCC

approval as

HL

RECEIVED

JUL 10 1975  
U.S. GEOLOGICAL SURVEY  
ARTISIA, NEW MEXICOTHIS APPROVAL IS VALID FOR OPERATIONS  
ARE NOT VALID FOR OTHERS WITHIN 3 MONTHS.

EXPIRES — OCT 25 1975

\*See Instructions On Reverse Side

NOTIFY US IN SUFFICIENT TIME TO  
9/5/75

## Instructions

**General:** This form is designed for submitting proposals to perform certain well operations, as indicated, on all types of lands and leases for appropriate action by either a Federal or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

**Item 1:** If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable State or Federal regulations concerning subsequent work proposals or reports on the well.

**Item 4:** If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

**Item 14:** Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on this reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal or State agency offices.

**Items 15 and 18:** If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective production zone.

**Item 22:** Consult applicable Federal or State regulations, or appropriate officials, concerning approval of the proposal before operations are started.

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<br><b>Hanagan Petroleum Corporation</b>                                                                                 |                                      |                             | Lease<br><b>Inexco - Federal</b> |                       | Well No.<br><b>1</b>                   |
| Unit Letter<br><b>I</b>                                                                                                          | Section<br><b>12</b>                 | Township<br><b>21 South</b> | Range<br><b>26 East</b>          | County<br><b>Eddy</b> |                                        |
| Annual Proportion Location of Well:<br><b>1650</b> feet from the <b>South</b> line and <b>660</b> feet from the <b>East</b> line |                                      |                             |                                  |                       |                                        |
| Ground Level Elev.<br><b>3194.7</b>                                                                                              | Producing Formation<br><b>Morrow</b> |                             | Pool<br><b>Burton Flat</b>       |                       | Dedicated Acreage:<br><b>320</b> Acres |

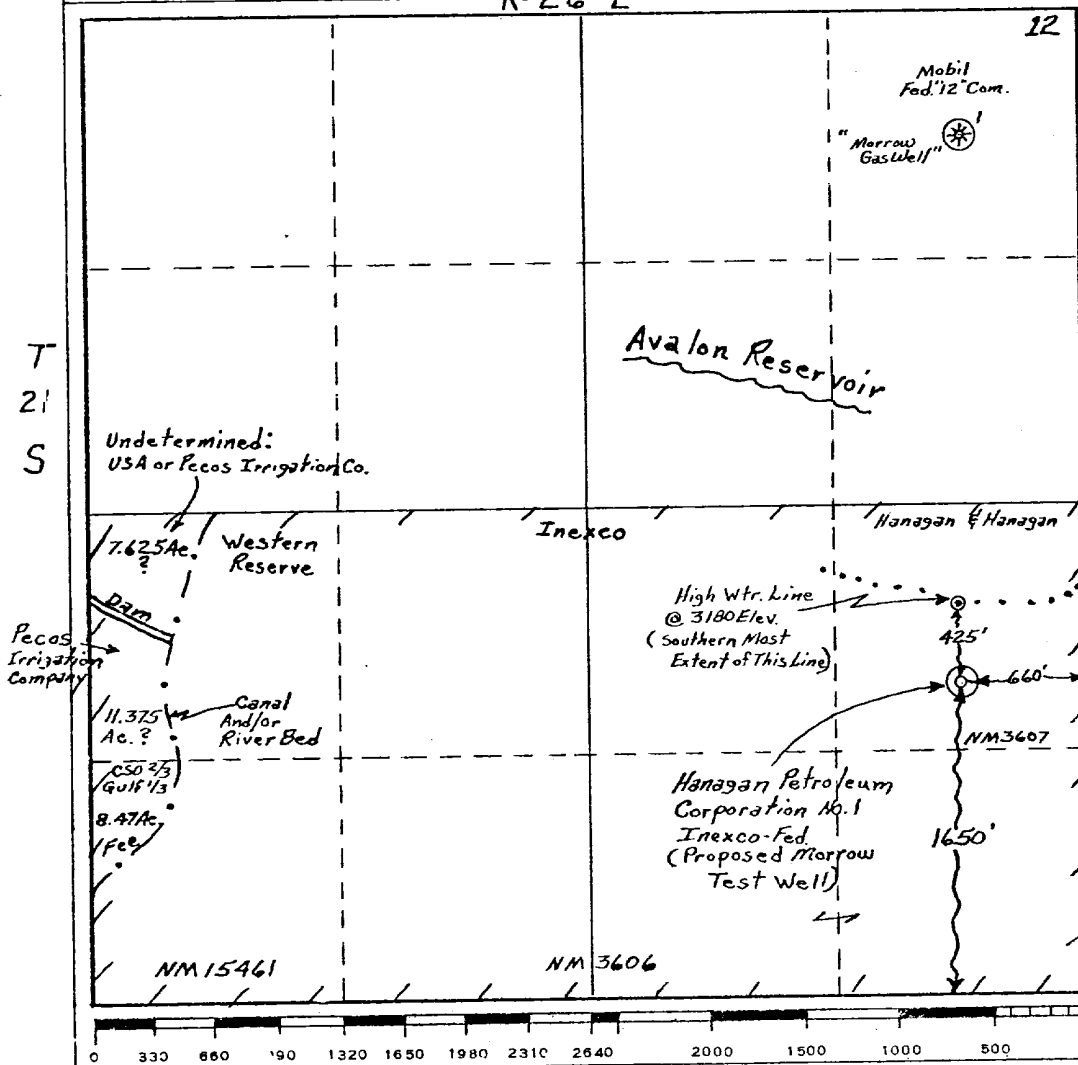
1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is 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 Will be forced pooled

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) All except that "undetermined" NW/4

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.

R-26-E



CERTIFICATION

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

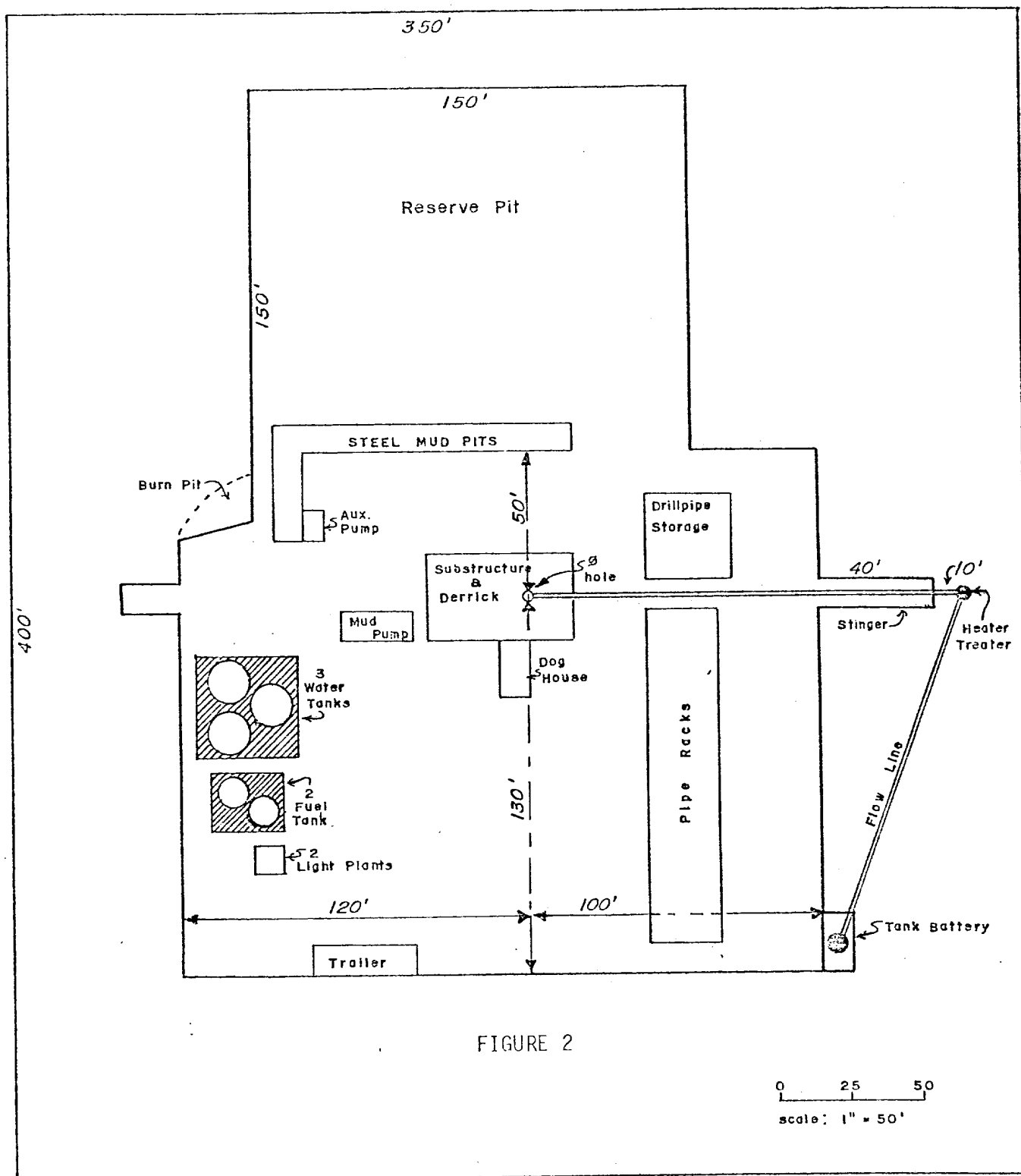
Name Hugh E. Hanagan  
Position Vice President  
Company Hanagan Petroleum Corp.  
Date 7/8/75

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 July 1, 1975  
Registered Professional Engineer and/or Land Surveyor [Signature]

Certificate No. N. M. 220

AGAN PETROLEUM CORPORATION  
 NO. 1 INEXCO FEDERAL  
 SEC. 12, T-21-S, R-26-E  
 1650' FSL & 660' FEL  
 EDDY COUNTY, NEW MEXICO





Hanover Petroleum Corporation  
 No. 1 Inexco-Fed.  
 1650' FSH of 660' FEL of Sec. 12  
 T215-R26E, Eddy Co., N.M.

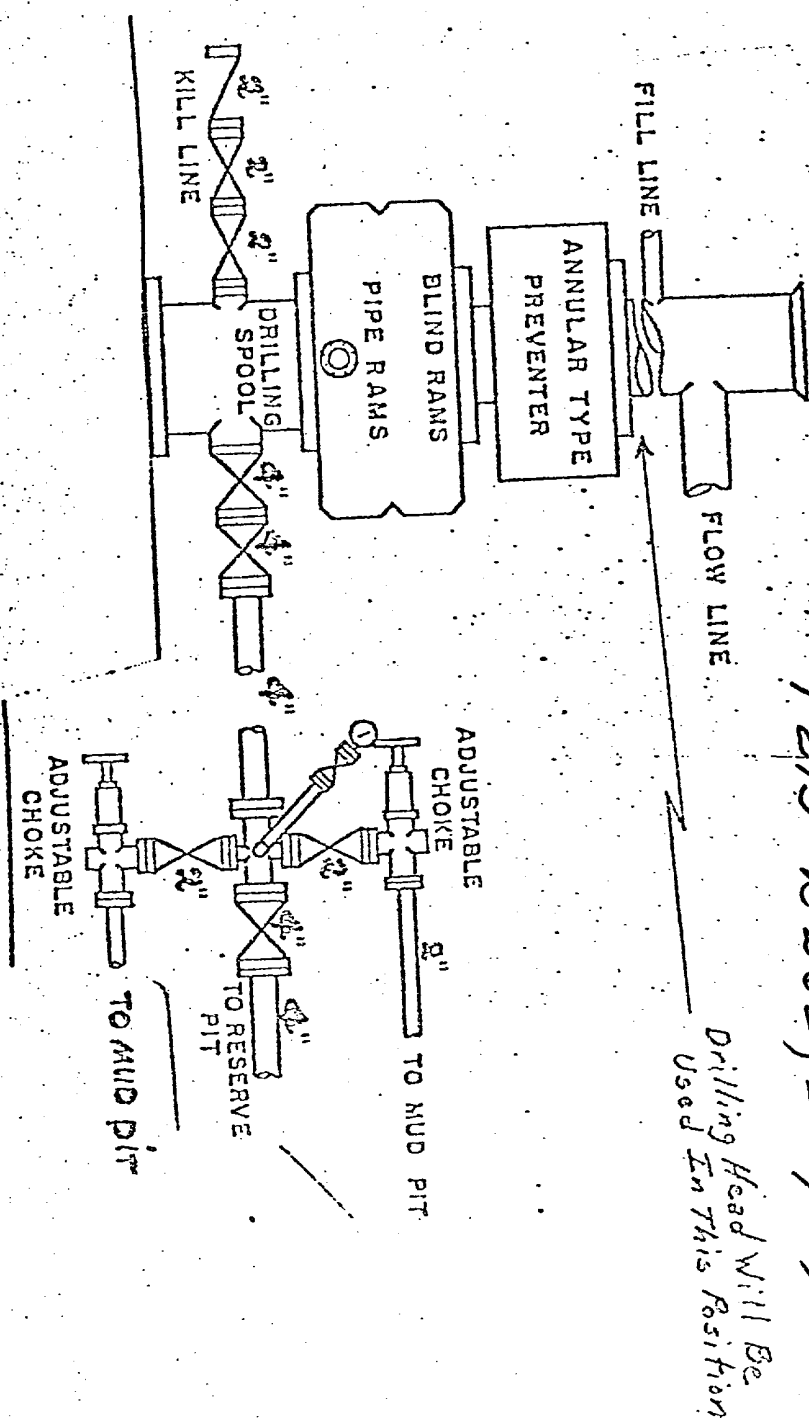


FIGURE 3

Moore Swager BOP and Choke Assembly

For Nos 3, 7, & 8

1500 Series

2/19/73

Levin Dorn