

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 ☐			5. LEASE DESIGNATION AND SERIAL NO. NM 17429
b. TYPE OF WELL OIL WELL ☐ GAS WELL ☒ OTHER ☐ SINGLE ZONE ☒ MULTIPLE ZONE ☐			6. IF INDIAN, ALLOTTEE OR TRIBE NAME -----
2. NAME OF OPERATOR Hanagan Petroleum Corporation			7. UNIT AGREEMENT NAME -----
3. ADDRESS OF OPERATOR P. O. Box 1737 Roswell, New Mexico 88201			8. FARM OR LEASE NAME Mescalero Ridge
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 1980' FSL & 1980' FEL At proposed prod. zone Same			9. WELL NO. 1
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* Approx. 25 miles East Hagerman, N.M.			10. FIELD AND POOL, OR WILDCAT Wildcat
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any) 660'			11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 22, T-13-S, R-30-E
16. NO. OF ACRES IN LEASE 800			12. COUNTY OR PARISH 13. STATE Chaves N.M.
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. <i>Shallow Dry Hole NW 1/4 Sec. 23 T-13-S-30-E</i>			20. ROTARY OR CABLE TOOLS Rotary
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3945 GR			22. APPROX. DATE WORK WILL START* 10/10/75

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2	12-3/4	30	350	Circulated
11	8-5/8	24 & 32	2800	Cale. fill top Yates @ 1400'
7-7/8	4 1/2	11.6 & 13.5	10100	350 sx.

Install pit leveler, flow sensor, gas separator, drilling head & yellow jacket @ top Wolfcamp anticipated @ 7600' - Drill water surface to 8000', 8000' to total depth low solid fresh water mud, wt. 8.7 to 9.1, vis. 36 to 44, water loss 10 to 20. Plan use 10" 1500 Series BOP & Hydrill.

RECEIVED

OCT 9 1975

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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

Hugh C. Hanagan

TITLE

Vice President

DATE

9/26/75

(This space for Federal or State office use)

PERMIT NO.

SUBJECT TO ATTACHED DEEP WELL CONTROL APPROVAL

APPROVED BY

COMMISSIONER OF THE GEOLOGICAL SURVEY, IF ANY:

REQUIREMENTS

DATED

JUN 22 1975

DATE

THIS APPROVAL IS RESCINDED IF OPERATIONS
ARE NOT COMPLETED WITHIN 3 MONTHS
JAN 8 - 1976

See Instructions On Reverse Side

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.

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.

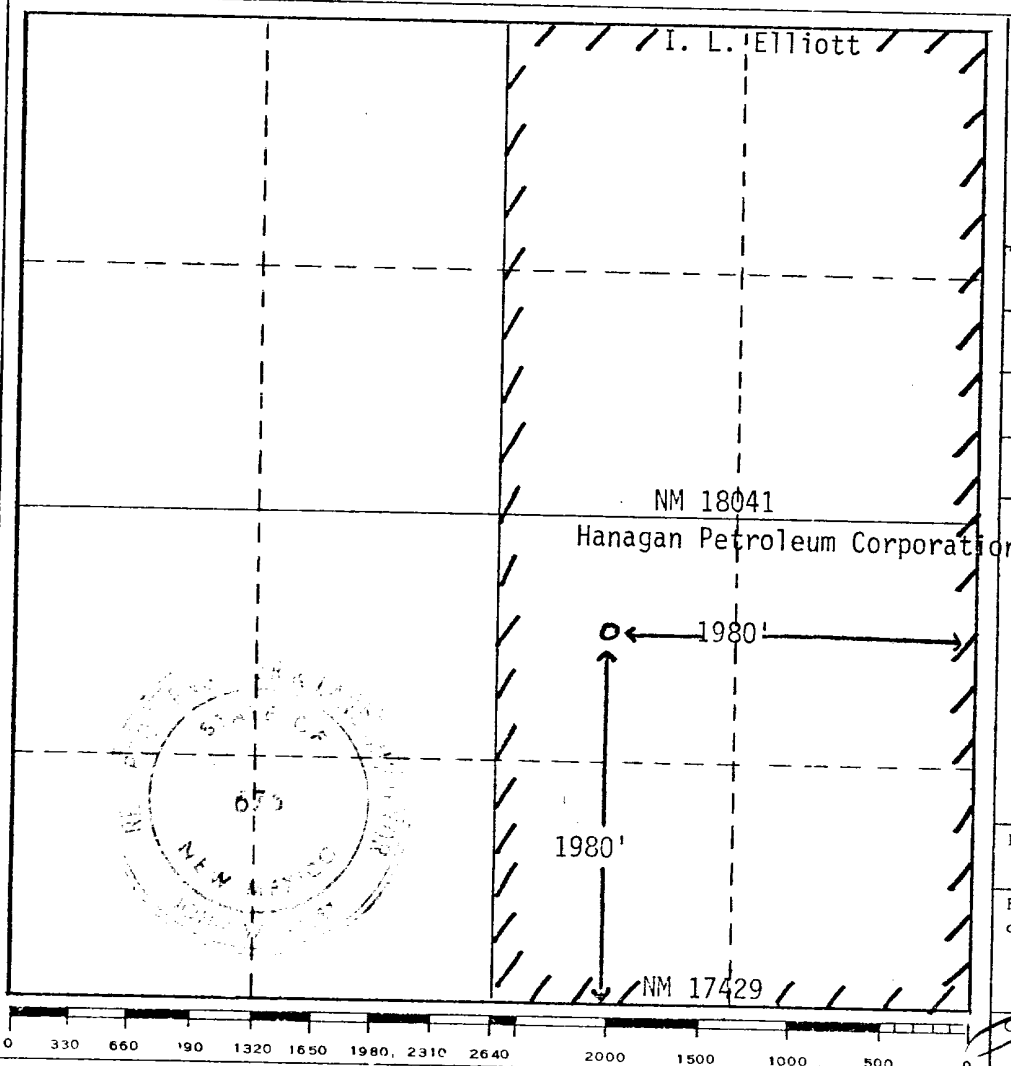
Operator Hanagan Petroleum Corporation			Lease Mescalero Ridge		Well No. 1
Unit Letter J	Section 22	Township 13 South	Range 30 South	County Chaves	
Actual Footage Location of Well: 1980 feet from the South line and 1980 feet from the East line					
Ground Level Elev. 3945	Producing Formation Atoka/Morrow		Pool Wildcat	Dedicated Acreage: 320 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 communitized

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) all SE/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.



CERTIFICATION

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

Hugh E. Hanagan
Name
Hugh E. Hanagan

Position
Vice President

Company
Hanagan Petroleum Corporation

Date
9/26/75

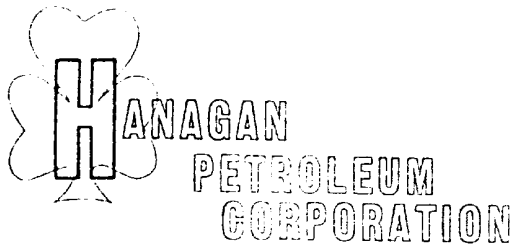
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed
9-8-75

Registered Professional Engineer and/or Land Surveyor

John W. Whit
Certificate No.

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PHONE 505 - 623-5053
J. P. WHITE BUILDING
POST OFFICE BOX 1737
ROSWELL, NEW MEXICO

DEVELOPMENT PLAN SURFACE USE
HANAGAN PETROLEUM CORPORATION - NO. 1 MESCALERO RIDGE
10,100' Mississippian Test - Chaves County, New Mexico

1. Existing Roads & Exit From Main Highway: As shown on attached Figure 1, the proposed well is located approximately 10 miles north of State Hwy. #31, which is the paved road going east out of Hagerman. About 20 miles east of Hagerman, turn north on caliche road colored blue (Figure 1) to ranch house noted on map. This road is labeled "main route" which is the best all weather road. There is another road labeled "alternate route" about 1½ miles further east on Hwy. #31. Paved highways colored red, main route colored blue, new access road colored yellow.
2. Planned Access Road: See Figure 1 & 2, colored yellow, will be caliched due to sandy conditions (10' x 1320'). Road from ranch house to new access road will only be graded and repaired in spots needed.
3. Location of Existing Wells: Figure 1 has all wells spotted that have been drilled within two mile radius to our knowledge.
4. Lateral Roads to Well Location: Lateral roads shown Figure 1.
5. Location of Tank Battery & Flow Lines: Shown on attached Figure 2.
6. Location & Type Water Supply: As marked Figure 1 as possible water supply, this well will be checked out as a possible water supply well and/or water will be hauled. Should this well be used, water line would parallel lease road.
7. Method Handling Waste: As shown Figure 2, a burn pit would be used for all trash & latter covered over. The reserve pit would be used only for drilling fluid and cuttings, which would be dried out, covered & levelled after use.
8. Location of Camps: None
9. Location of Airstrips: None
10. Diagram Equipment at Drillsite: Shown in detail Figure 2.
11. Surface Restoration: Drillsite area will be levelled and cleaned of all track & etc.
12. Description of Area To Be Used: The topography is essentially flat with numerous small sand dunes covered with mesquite bushes. There are no rivers, streams, gullies, or habitation in the immediate area of the well.
13. Company Representative: Hugh E. Hanagan, P. O. Box 1737, Roswell, New Mexico 88201, phone 623-5053.

HAGERMAN QUADRANGLE-91

MEXICO STATE HIGHWAY DEPARTMENT
MEXICO STATE HIGHWAY DEPARTMENT
PLANNING AND PROGRAMMING DIVISION
BUREAU OF PUBLIC ROADS

CHAVES COUNTY

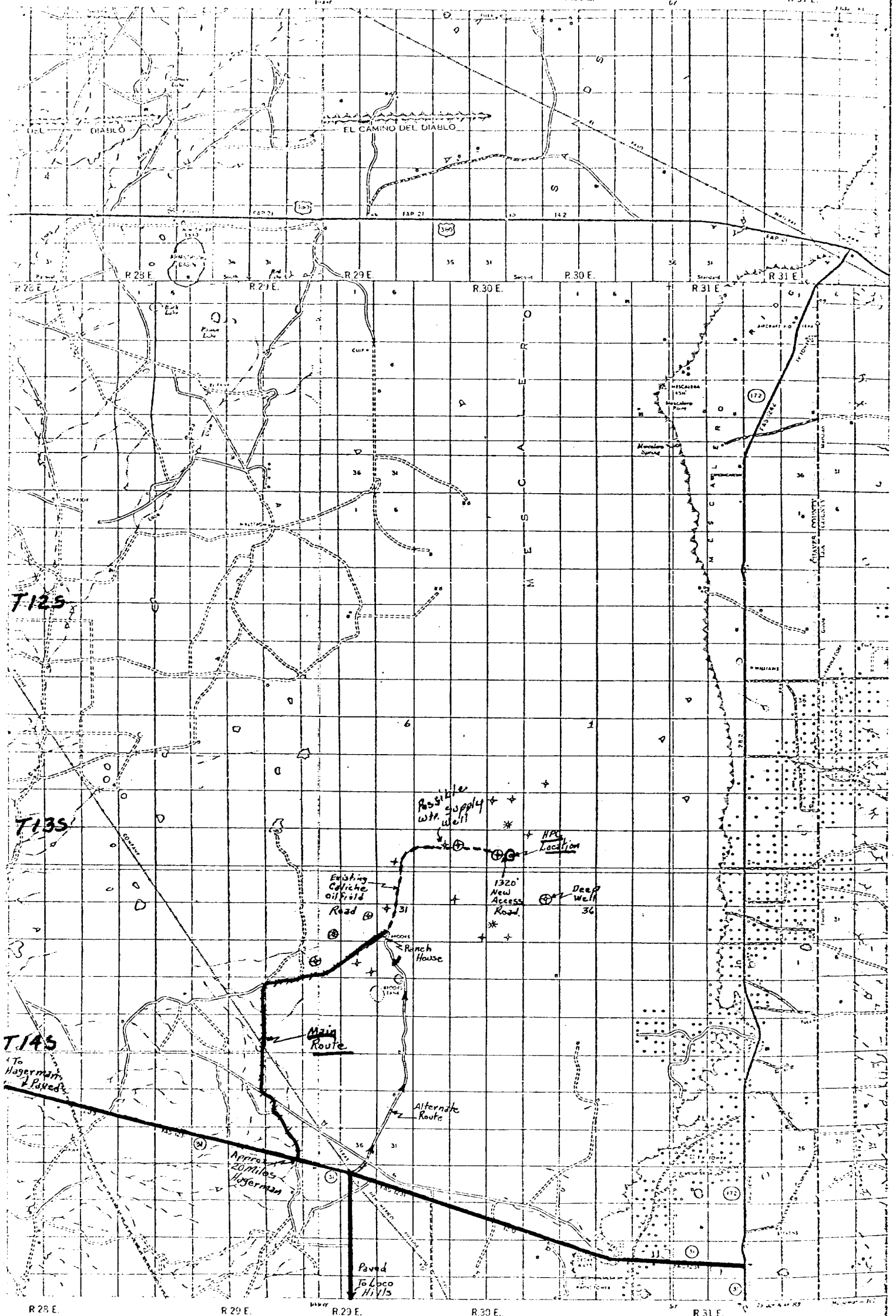
R 28 E

R 29 E

R 29 E

R 30 E

R 31 E



HAGERMAN
QUADRANGLE

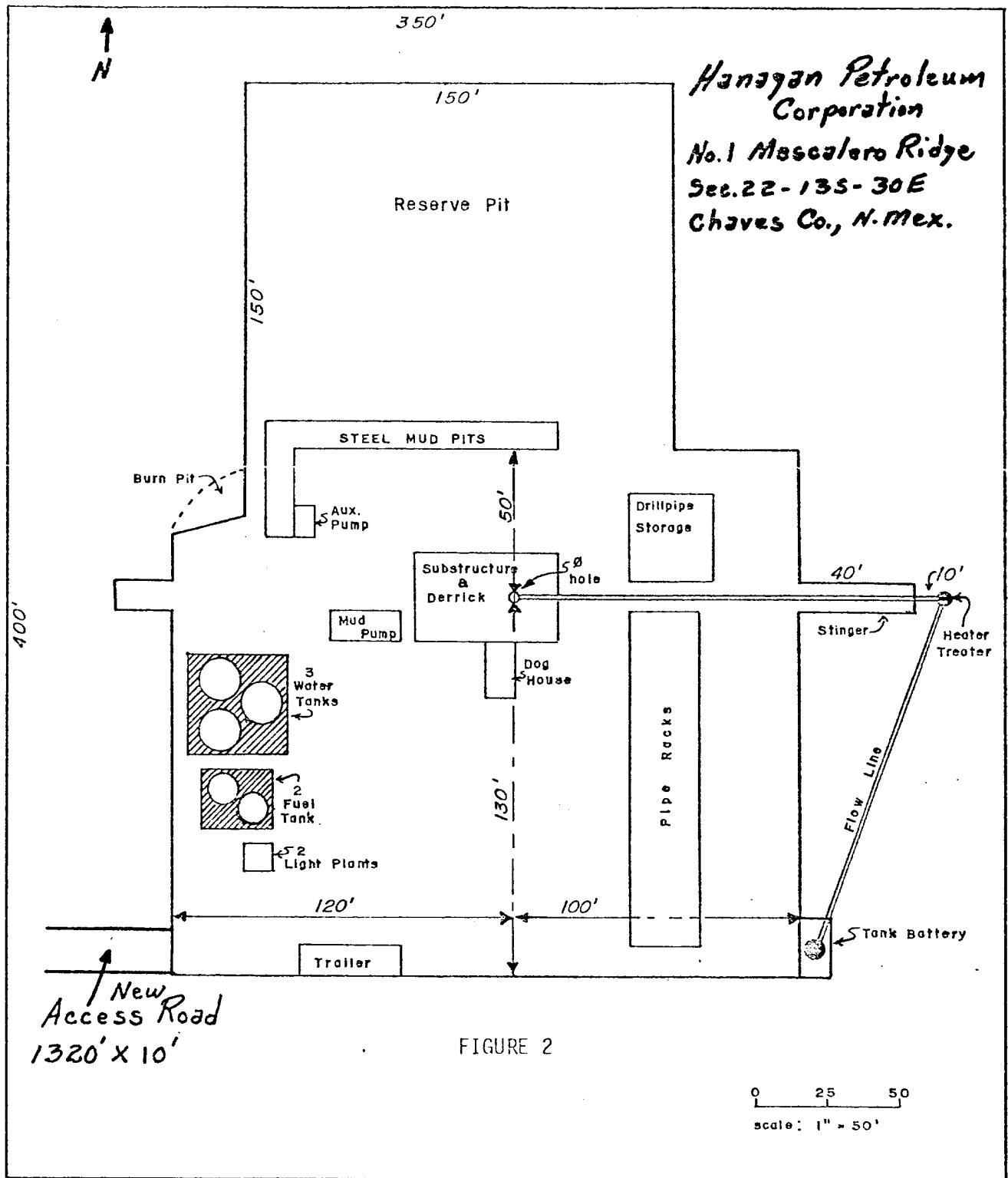
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Revised by U.S. Coast and Geodetic Survey, U.S. Geological Survey, U.S. Forest Service, Bureau of Land Management and Mining, Engineering and Construction, and U.S. Army Corps of Engineers.

Figure 1

Hanayan Petroleum Corp.
No. 1 Mesquite Ridge - Chaves Co. NM

Scale 1 inch = 1 mile
1:62,500
Horizontal Scale
Vertical Scale



HANAGAN PETROLEUM CORPORATION
No. 1 Mescalero Ridge
Sec. 22, T-13-S, R-30-E
Chaves County, New Mexico

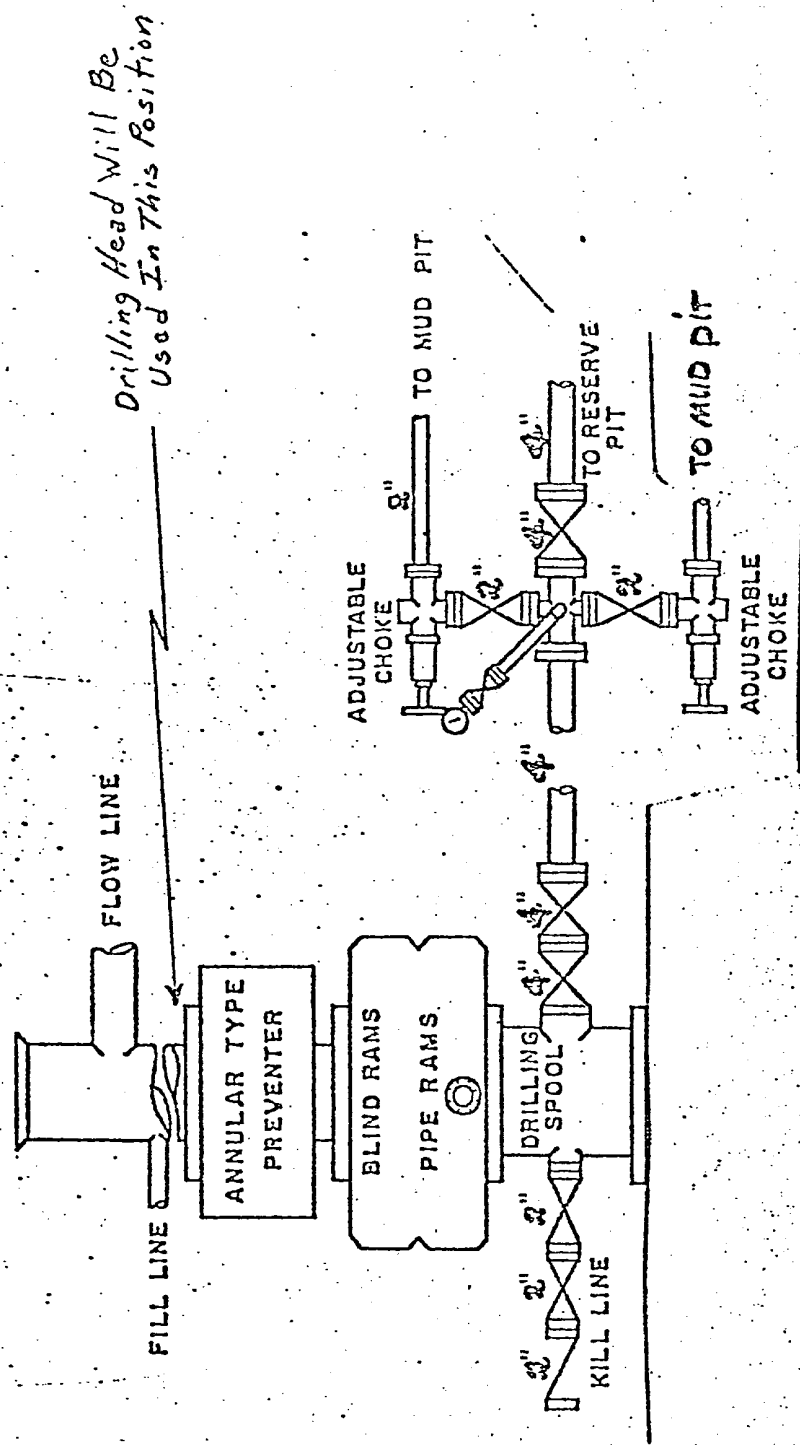


FIGURE 3

Moore Standard Bop and Choke Assembly

For R165 3, 7, 48

VeriDoc

1500 Series

19/73