

N. M. OIL CONS. COMMISSION
P. O. Box 1300
HOBBS, NEW MEXICO 88240
DEPARTMENT OF THE INTERIORSUBMIT IN TR CATE*
(Other instructions on
reverse side)Form approved.
Budget Bureau No. 42-R1425.

30-015-23957

C/5F

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.

LC-029415-B

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Puckett "B"

9. WELL NO.

31

10. FIELD AND POOL, OR WILDCAT

Grayburg Jackson

11. SEC., T., R., M., OR BLK.
AND SURVEY OR AREA

Sec. 12-17S-31E

12. COUNTY OR PARISH

Eddy

New Mexico

b. TYPE OF WELL

OIL
WELL ☒GAS
WELL ☐OTHER ☐SINGLE
ZONE ☒MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

WILLIAM A. & EDWARD R. HUDSON

OCT 16 1981

3. ADDRESS OF OPERATOR

Box #198, Artesia, New Mexico 88210

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

At surface

660' from north and west lines of Sec. 12-17S-31E

At proposed prod. zone

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

4 miles west of Maljamar, New Mexico

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

(Also to nearest drlg. unit line, if any)

660'

16. NO. OF ACRES IN LEASE

1920

18. DISTANCE FROM PROPOSED LOCATION*

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

2 miles

19. PROPOSED DEPTH

4200

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

3979.9 Gr.

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8" O.D.	24# - J	790'	600 sx. C1. "C" + 2% CaO
7-7/8"	5-1/2" O.D.	15.5# - J	4200'	400 sx. C1. "C"

It is proposed to drill this well with rotary tools to a depth of approximately 4200'. Production string will be cemented near bottom, and pays will be perforated and treated with acid or frac. All casing will be new. See attachment for other data.

RECEIVED
SEP 25 1981Posted ID-1
API + NL Book
10-23-81OIL & GAS
U.S. GEOLOGICAL SURVEY
ROSWELL, 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

Reggie L. Gray

TITLE

Consultant

DATE Sept. 23, 1981

(This space for Federal approval only)

PERMIT NO.

(Orig. Sgd.) GEORGE H. STEWART

APPROVAL DATE

APPROVED BY

OCT 9 1981

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

FOR

JAMES A. GILLHAM
DISTRICT SUPERVISOR

*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-12A
Effective 1-1-85

All distances must be from the outer boundaries of the Section

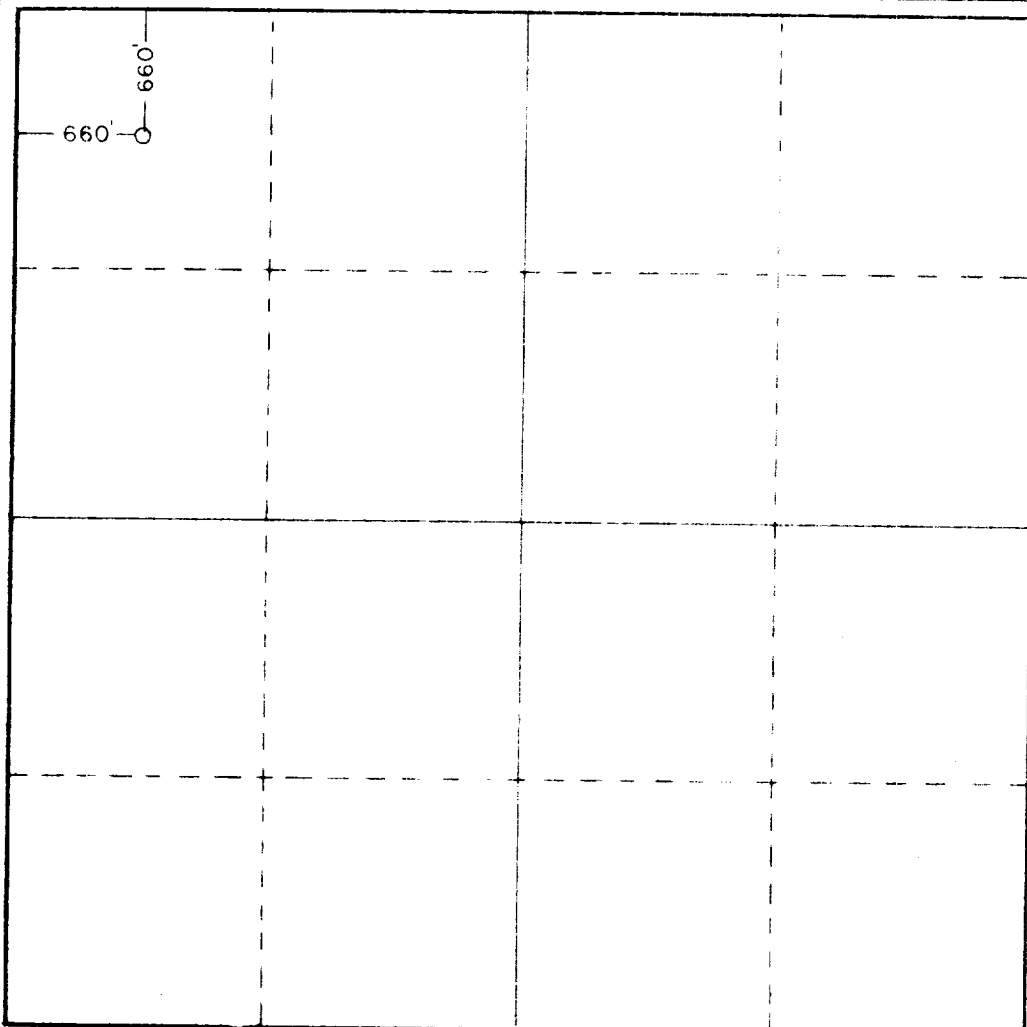
Operator William A. and Edward Hudson		Lease Puckett B.		Well No. 31
Tract Letter D	Section 12	Township 17 South	Range 31 East	County Eddy
Actual Footage Location of Well: 660 feet from the North line and 660 feet from the West line				
Ground Level Elev. 3979.9'	Producing Formation Grayburg - San Andres	Producing Zone Grayburg Jackson Q-SA	Dedicated Acreage 40	

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure 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.

Name *Ralph L. Gray*
 Position **Consultant**

For me my **WILLIAM A. & EDWARD R. HUDSON**

Date **Sept. 23, 1981**

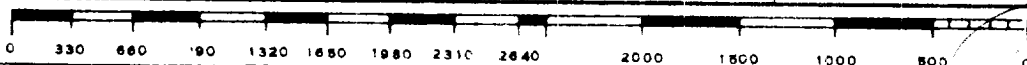
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed **Sept. 18, 1981**

Registered Professional Engineer and Land Surveyor

Ronald J. Eidson

Certificate No. **JOHN W. WEST 676**
PATRICK A. ROMERO 6863
Ronald J. Eidson 3239



ADDITIONAL DATA

BUCKET 25 #31

1. Surface formation is recent sands and caliche.
2. Estimated total:
 - T. Anhydrite - 700'
 - T. Salt - - - - 370'
 - B. Salt - - - - 2,050'
 - T. Red Sand - - 3,000'
 - T. San Andres - 3,720'
3. It is expected that oil and gas will be encountered within the depths of 3,530' to 4,150'.
4. Casing (See form 9-331C)
5. Pressure control equipment (See attached diagram).
6. No special mud will be used. Drilling will be done with water and natural mud formed by drilling red beds and shales. Before running casing, some mud of suitable quality will be spotted to keep hole clean.
7. Auxiliary Equipment - Not applicable.
8. No tests will be made before cementing casing, and no logs will be taken. Logs will be Gamma-ray and Compensated Neutron.
9. No abnormal pressures or temperatures are anticipated, or special hazards.
10. It is expected drilling will be commenced about April 1, 1961, and well should be completed in about 60 days after reaching total depth.

Report

1. Title of the Report

2. Date of the Report

3. Author of the Report

4. Subject of the Report

5. Object of the Report

6. Method of the Report

7. Results of the Report

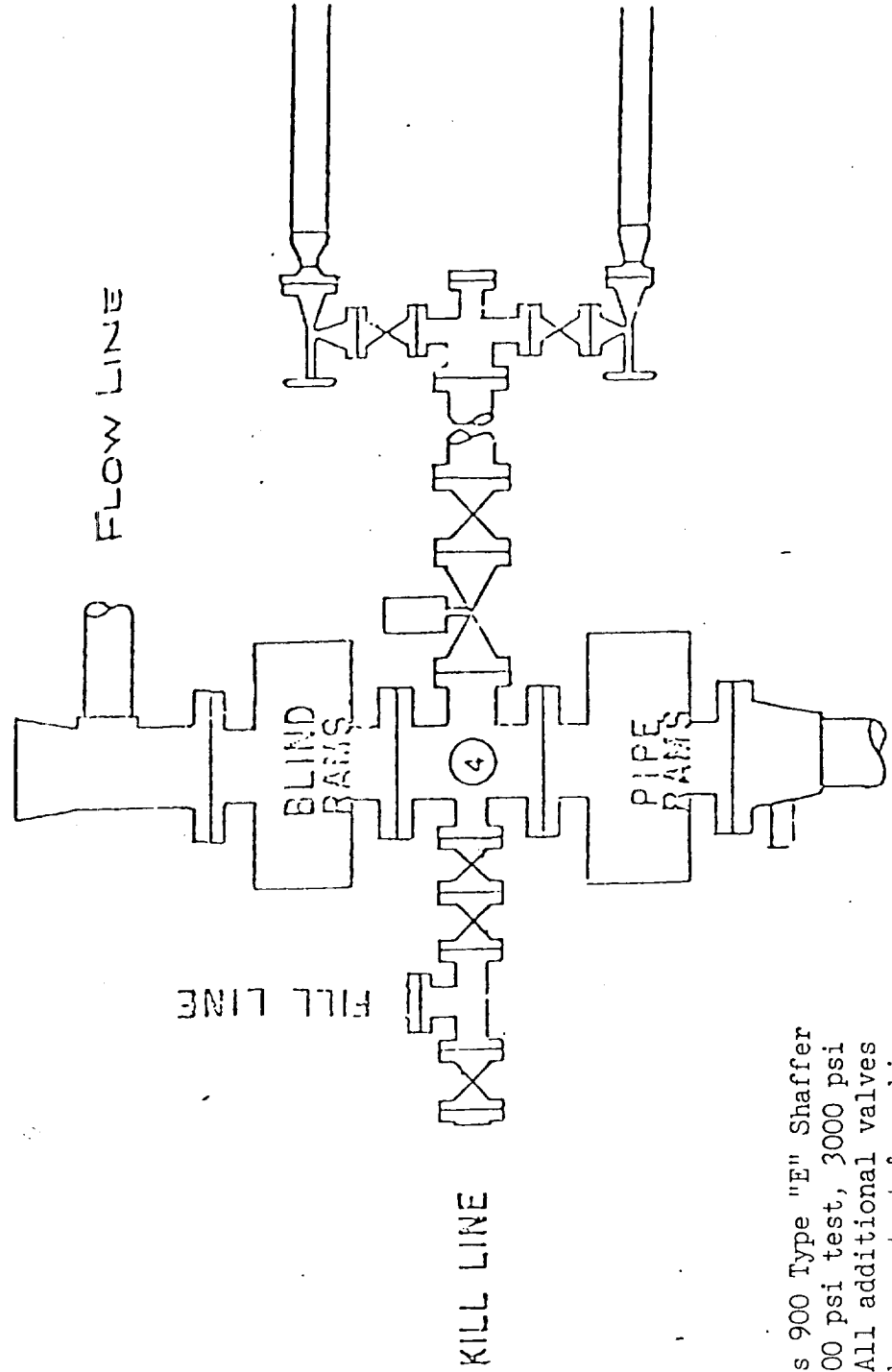
8. Conclusions of the Report

9. Recommendations of the Report

10. Summary of the Report

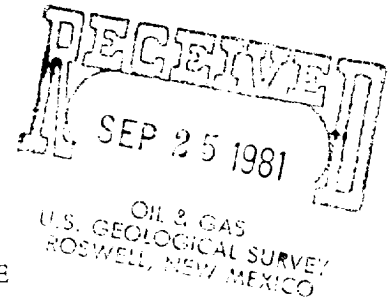
11. Bibliography of the Report

WEK DRILLING CO., INC. - Rig 1 & 3.
BLOWOUT PREVENTER SPECIFICATION



BOP's are 10" Series 900 Type "E" Shaffer Double Hydraulic 6000 psi test, 3000 psi working pressure. All additional valves & connections are the same test & working pressures.

SURFACE USE AND OPERATIONS PLAN



WILLIAM A. & EDWARD R. HUDSON
PUCKETT "B" WELL #31
660' from North and West lines of Section 12-17S-31E
Eddy County, New Mexico
Lease No. LC-029415-B
(Development Well)

1 & 2. EXISTING ROADS AND PLANNED ACCESS

Exhibit "A" shows a map of the general area. The location of the well can be reached by going west from Maljamar, New Mexico on U.S. Highway #82 a distance of about 2 miles. Turn north, or right, on dirt road angling northwest a distance of about $1\frac{1}{4}$ miles. Turn west for about $1\frac{1}{4}$ miles. Then turn south on lease road and go about one mile to the Westall - Vola #1 well. This road is best seen on Exhibit "B" (Contour map). We plan to construct a caliche access road from the Vola #1 well south for approximately 1,000 feet.

3. LOCATION OF EXISTING WELLS

Wells are shown on Exhibit "A".

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

Proposed well location is shown on Exhibits "A" and "B" by the red circle. Oil storage and treating facilities if needed will be installed on the well caliche pad. A flow line will be laid on top of caliche from well to tank.

5. LOCATION AND TYPE OF WATER SUPPLY

Water for drilling the well will be hauled from the vicinity of Maljamar, or from the Hudson Puckett "A" water facility located in Section 24-17S-31E.

6. SOURCE OF CONSTRUCTION MATERIALS

Caliche for surfacing access road and location pad will be obtained from material removed in constructing the drilling pits at well. This is on Federal land.

7. METHOD OF HANDLING WASTE DISPOSAL

- A. Drill cuttings will be disposed of in drilling pits.
- B. Drilling fluids will be allowed to evaporate in the drilling pits until pits are dry.
- C. Oil produced during tests will be stored in test tanks, or stored in battery until sold.
- D. Current laws and regulations pertaining to the disposal of human waste will be complied with.
- E. Trash, waste paper, garbage and junk will be buried in separate trash pit and covered with a minimum of 24 inches of dirt. Location of trash pit is shown on Exhibit "C".

- F. All trash and debris will be buried or removed from well site within 30 days after finishing drilling and/or completion operations.

8. ANCILLARY FACILITIES

None.

9. WELLSITE LAYOUT

- A. Exhibit "C" shows the relative location and dimensions of the well pad, mud pits, reserve pit, trash pit and location of major rig components.
- B. Only minor levelling of the well site will be required.
- C. Pits will be unlined.

10.. PLANS FOR RESTORATION OF THE SURFACE

- A. After completion of drilling and/or completion operations, all equipment and other material not needed for operations will be removed. Pits will be filled and location cleaned of all trash and junk to leave wellsite in as good a condition as possible.
- B. Any unguarded pits containing fluids will be fenced until they are filled.
- C. After abandonment of the well, surface restoration will be in accordance with agreement with the surface owner. Pits will be filled and location cleaned. The pit area, well pad, and all unneeded access roads will be ripped to promote revegetation. Rehabilitation should be accomplished within 90 days after abandonment.

11. OTHER INFORMATION

- A. Topography: Land surface is relatively flat with small hill areas and sand dunes.
- B. Soil: Soil is deep sand underlain by caliche.
- C. Flora and Fauna: The vegetative cover is generally sparse and consists of mesquite, yucca, shinnery oak and very little native grass. Wildlife is typical of semi-arid desert land and includes coyotes, rabbits, rodents, reptiles, dove and quail.
- D. Ponds and Streams: There are no rivers, streams, lakes or ponds in the area.
- E. Residences and Other Structures: None
- F. Land Use: Grazing and hunting in season, although the principal use is production of oil.

12. OPERATOR'S REPRESENTATIVE

The field representative responsible for assuring compliance with the approved surface use and operations plan is as follows:

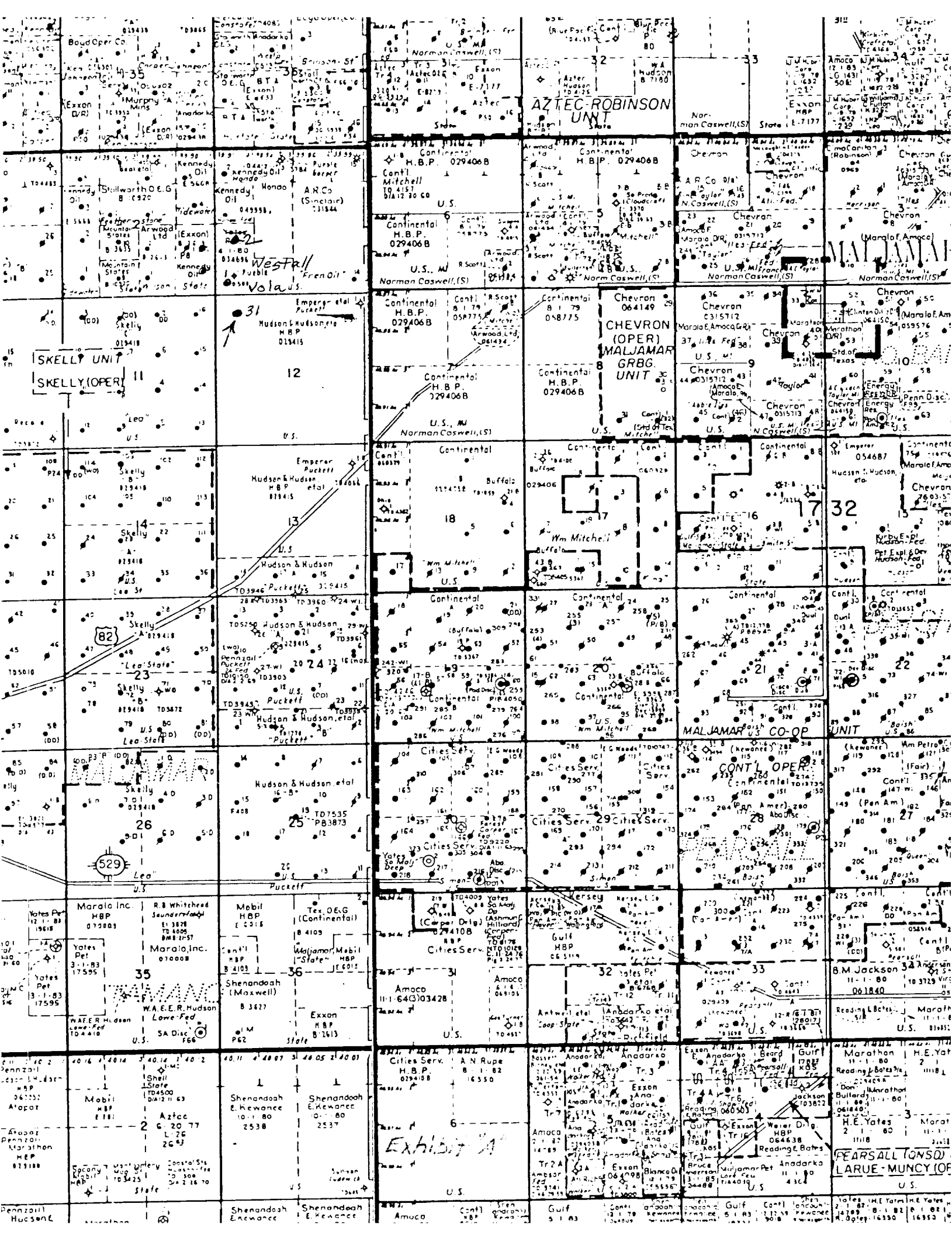
Mr. Dwaine Howard
Resides on lease near office
Home Phone: 676-4311
Office Phone: 676-2266

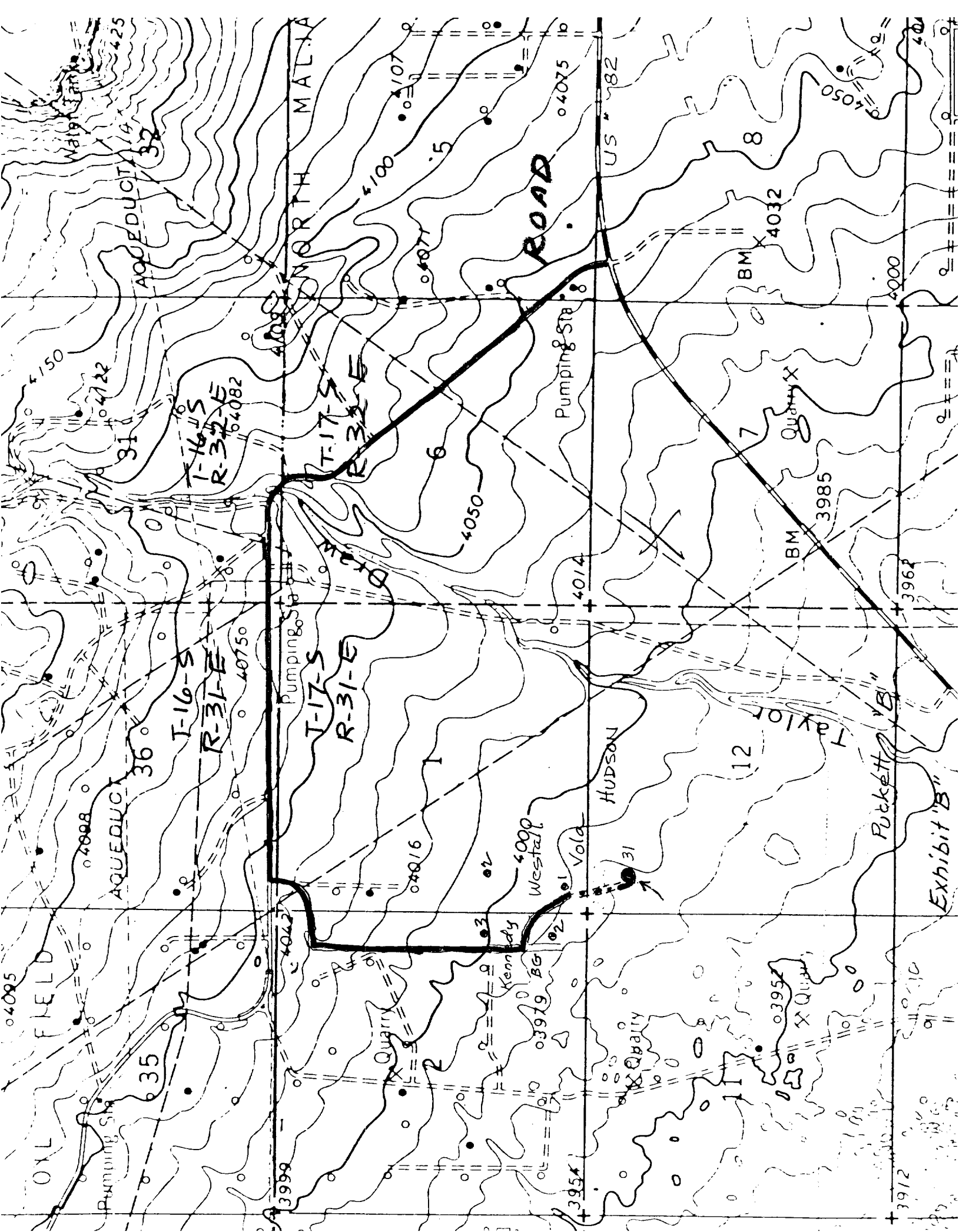
13. CERTIFICATION

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am 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 associated with the operations proposed herein will be performed by William A. & Edward R. Hudson and their contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

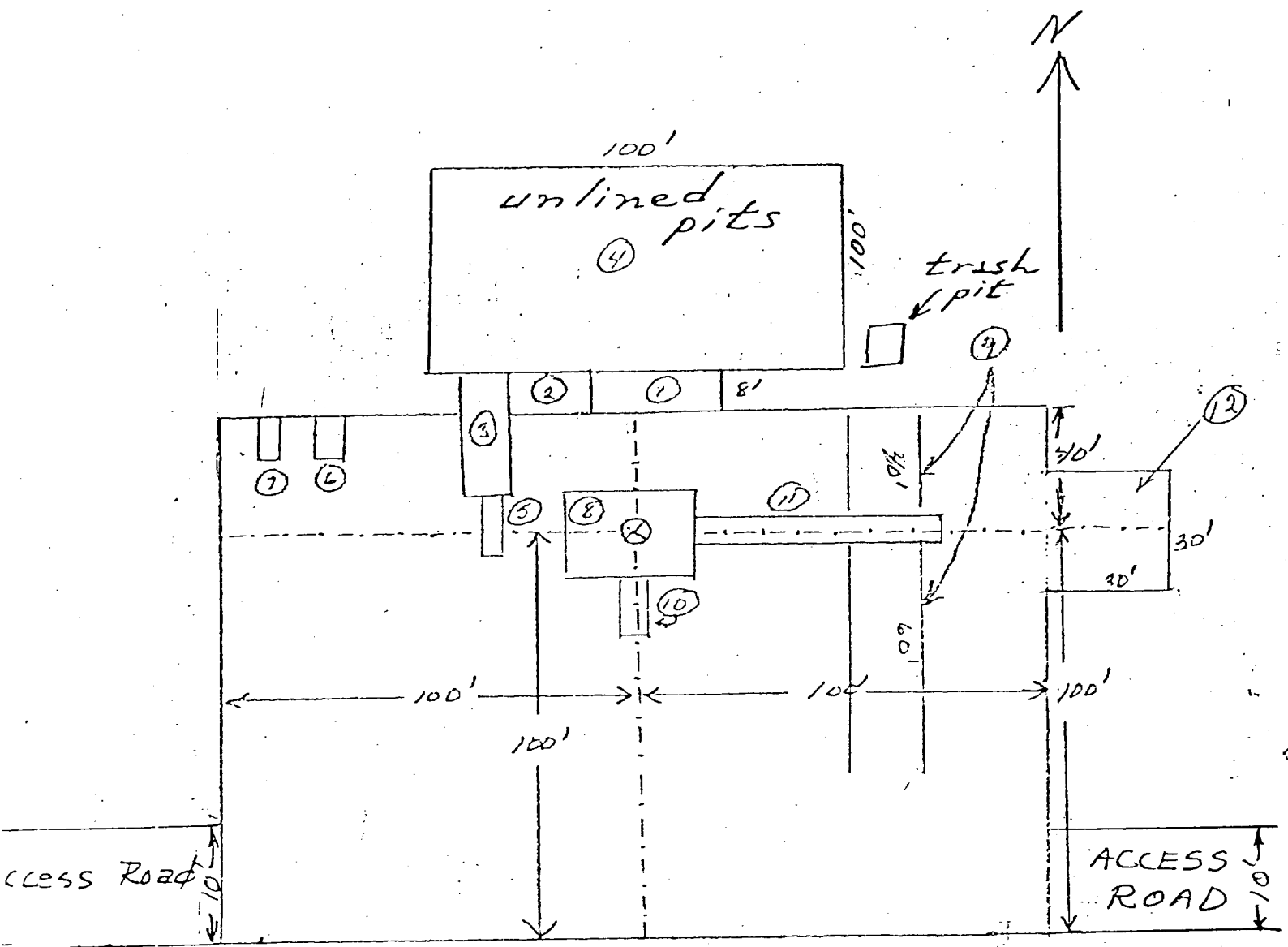
Sept. 24, 1951
Date

Ralph L. Gray
RALPH L. GRAY
Consulting Engineer.





WEK DRILLING CO., INC.
RIG #1 LOCATION & MUD PIT SPECS.



- | | |
|--------------------------|----------------|
| ① Shale Pit 30' x 8' | ⑥ Water Tank |
| ② Mud Pit 20' x 8' | ⑦ Fuel Tank |
| ③ Suction Pit 30' x 8' | ⑧ Rig |
| ④ Reserve Pit 100' x 50' | ⑨ Pipe Racks |
| ⑤ Pump | ⑩ Dog House |
| | ⑪ Cat Walk 60' |
| | ⑫ Stinger |

Schaeffer Type E 10" Series 900 Hydraulic BOP. The waste and debris from this well will be disposed of in a reserve pit and covered up.