

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

Anadarko Production Company

O. C. C.  
ARTESIA, OFFICE

## 3. ADDRESS OF OPERATOR

P. O. Box 67, Loco Hills, New Mexico 88255

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

At surface

660' FSL &amp; 560' FWL Sec. 3, T-17S, R-30E

At proposed prod. zone Same Eddy County, New Mexico

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

3 Miles Northeast of Loco Hills

## 15. DISTANCE FROM PROPOSED\*

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

560'

## 16. NO. OF ACRES IN LEASE

160

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

40

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

1320'

## 19. PROPOSED DEPTH

3050'

## 20. ROTARY OR CABLE TOOLS

Rotary

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

3702' GL

## 22. APPROX. DATE WORK WILL START\*

6-1-77

## 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"	24.7	500'	150 sacks
7 7/8"	4 1/2"	10.5#	3050'	450 sacks

1. Rig up Rotary Tools.

2. Drill to approximately 500', set &amp; cement 8 5/8" casing, install &amp; test Series 900 double ram hydraulic blowout preventor.

3. Drill to T. D. 3050'.

4. Set and cement 4 1/2" casing on T. D.

5. Run cased hole logs and perforate Grayburg Zones.

6. Stimulate perforated zones.

7. Place well on production.

RECEIVED

APR 12 1977

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.

Original Signed by  
Jerry E. Buckles

SIGNED

TITLE

Area Supervisor

DATE

April 11, 1977

(This space for Federal or State office use)

## PERMIT NO.

## APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

MAY 11 1977

R. L. GEMILL  
ACTING DISTRICT ENGINEER

APPROVED  
THIS APPROVAL IS RESCINDED IF OPERATIONS  
ARE NOT COMMENCED WITHIN 3 MONTHS.  
EXPIRES AUG 11 1977  
\*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 a 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.

RECEIVED

MAY 19 1964

U.S. DEPT. OF THE INTERIOR

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>ANADARKO PRODUCTION COMPANY</b>			Lease <b>Federal JJ</b>			Well No. <b>4</b>
Unit Letter <b>"M"</b>	Section <b>3</b>	Township <b>17 South</b>	Range <b>30 East</b>	County <b>Lddy</b>		
Actual Footage Location of Well: <b>660</b> feet from the <b>South</b> line and <b>560</b> feet from the <b>West</b> line						
Ground Level Elev. <b>3702</b>	Producing Formation <b>Gryaburg</b>		Pool <b>Square Lake</b>		Dedicated Acreage: <b>40</b> Acres	

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?

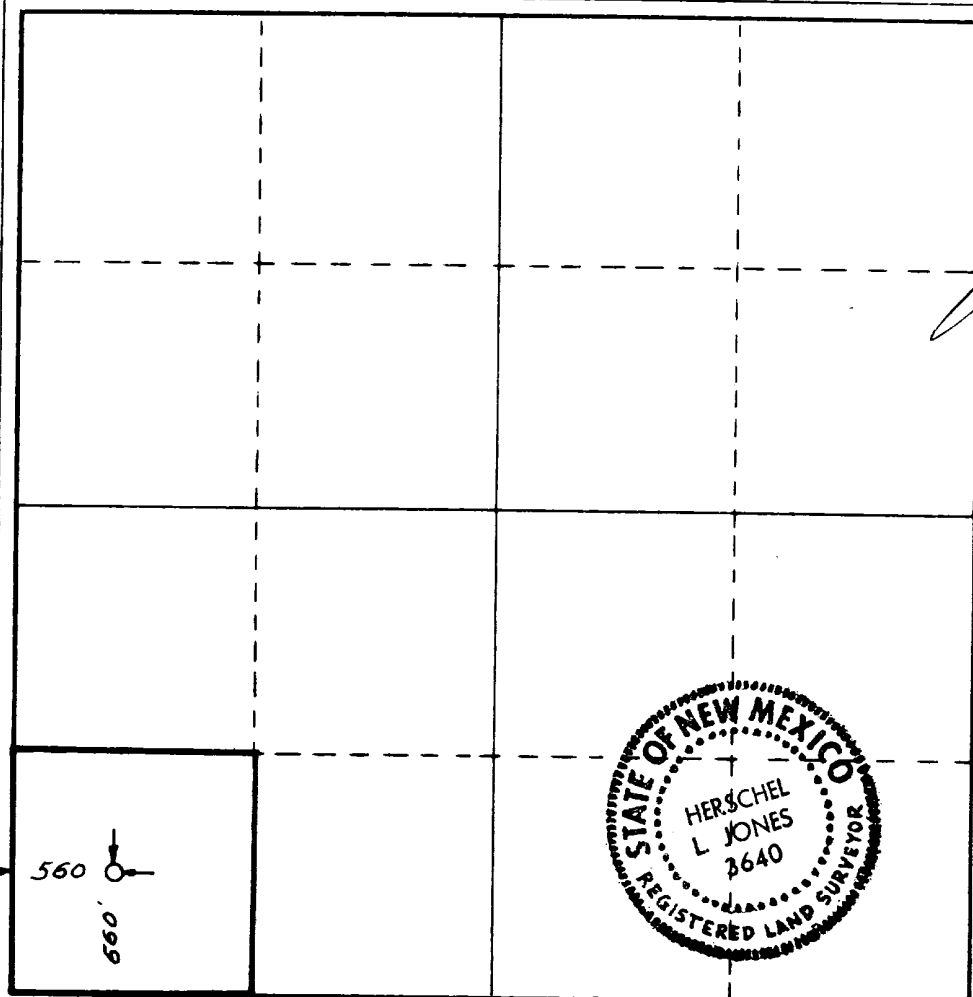
☐ Yes ☐ No If answer is "yes," type of consolidation \_\_\_\_\_

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.

RECEIVED

U.S. GEOLOGICAL SURVEY  
ARTESIA, NEW MEXICO



CERTIFICATION

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

*James E. Buckles*  
Name

Area Supervisor

Position

Anadarko Production Co.

Company

April 11, 1977

Date

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

April 2, 1977

Registered Professional Engineer and/or Land Surveyor

*Herschel L. Jones*  
Certificate No.

3640

RECEIVED

1961 1 10

RECEIVED  
1961 1 10  
1961 1 10

GENERAL OFFICE  
P. O. BOX 9317  
FORT WORTH, TEXAS 76107



## ANADARKO PRODUCTION COMPANY

1014 W. AVENUE K  
AREA CODE 505 396 4018

LOVINGTON, NEW MEXICO 88260  
CABLE ADDRESS: ANDARK

P. O. Box 67  
Loco Hills, New Mexico 88255  
March 31, 1977

RECEIVED

APR 13 1977

U.S. GEOLOGICAL SURVEY  
ARTESIA, NEW MEXICO

United States Geological Survey  
P. O. Drawer U  
Artesia, New Mexico 88210

Gentlemen:

Following is the "Surface Use and Operation Plan" for the drilling of the Anadarko Production Company Federal JJ No. 4, located 660' FSL & 560' FWL Section 3, Township 17S, Range 30E, Eddy County, New Mexico. This well is planned for oil production.

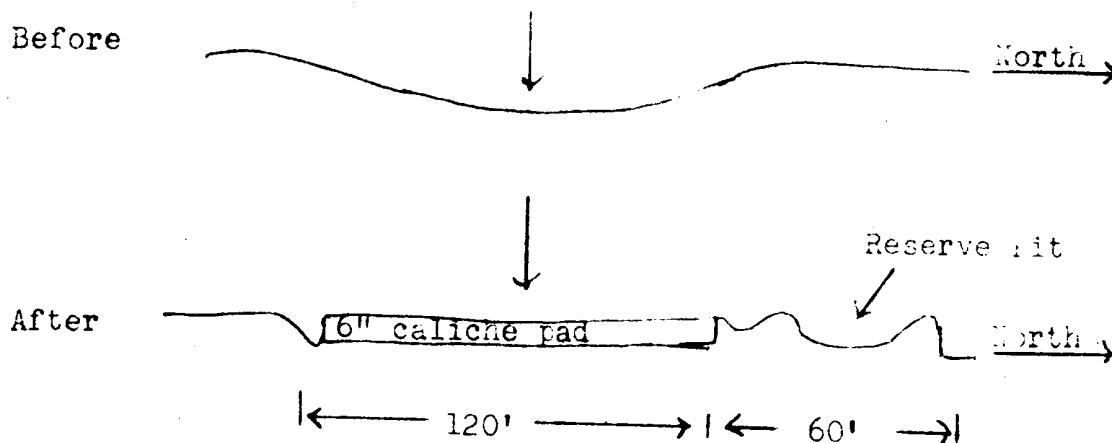
1. Existing Roads - A map is enclosed showing hard surfaced County road. The existing lease roads are indicated by red lines.
2. Planned Access Road - Planned access road of caliche will be approximately 12' wide and 700' long; this proposed road is indicated by dashed red line on enclosed map. There will be no fences to cut or cattle guards to set.
3. Location of Existing Wells - All existing wells on lease are indicated on enclosed map. There are no exploratory wells being drilled within a two mile radius.
4. Location of Tank Batteries, Production Facilities and Lines - Tank battery is indicated by blue area; flow lines are indicated by solid blue lines and flowline for proposed well is indicated by dashed blue line, and will be installed along side of road; therefore will require no additional R-O-W.
5. Location and Type of Water Supply - Fresh water to be used at drilling site will be furnished by Double Eagle Water Co. Existing water line is indicated by solid purple line on plat. Temporary water line is indicated by dashed purple line and will be removed after completion of well.
6. Source of Construction Material - There is an open caliche pit in the Southwest  $\frac{1}{4}$  of the Northwest  $\frac{1}{4}$  of Section 10, T-17 S, R-30 E and is indicated by light green area on plat.

7. Methods for Handling Waste Disposal - The enclosed drill site plat indicates location of drilling pits, reserve pit and a rubbish pit. After sufficient time has passed to allow drilling fluids to dry, all pits will be closed and leveled. The rubbish pit adjacent to drilling site will be deep enough to contain all rubbish when covered and leveled.

8. Ancillary Facilities - There are no camps or air fields planned.

9. Well Site Layout - Well site has been staked and is indicated by dark green area on map. A plat of drilling site is also enclosed. Drilling site is a sandy area covered by sparse native vegetation. Drilling pad will be 6 inches of caliche measuring 200 feet East to West and 120 feet North to South. Reserve pit and rubbish pit area will measure 150 feet East to West and 60 feet North to South. Drilling pad will blend with terrain as there are no predominant hills, valleys, washes or trees in the area. This is a development well, so there is no possibility it will be drilled then plugged and abandoned.

Cross Section - Before and After - is shown below:



10. Plan for Restoration of Surface - Commercial Well

Reshaped Topography - The area of mud pits, reserve pits and rubbish pit will be leveled as they were prior to construction.

Waste Disposal - Rubbish will be buried upon completion of drilling operations. All future trash will be removed by individual generating same.

Caliche Pad - Caliche drilling pad will remain intact until well is abandoned.

Road - This caliche road measuring 12'x 700' will remain intact as long as well is productive.

Time Table - The well will be productive for several years.

Plans for Restoration of Surface - Plugged and Abandoned Well

Surface will be restored in accordance with all regulations at time of abandonment.

11. Other Information - Topography is generally flat, surrounded by small sand dunes.

Soil Characteristics - Unconsolidated sand.

Flora - Sparse grass and weeds.

Fauna - Rabbits, rats, mice, birds and snakes.

Other Surface Use Activities - Leased grazing land.

Surface Ownership - Federal Land.

Water Wells - None.

Lakes, Streams & Ponds - None.

Dwellings - None.

Other Facilities - None.

Archaeological Sites - None.

Historical Sites - None.

Cultural Sites - None.

12. Operator's Representative - John C. English, Production Foreman for Anadarko Production Company.

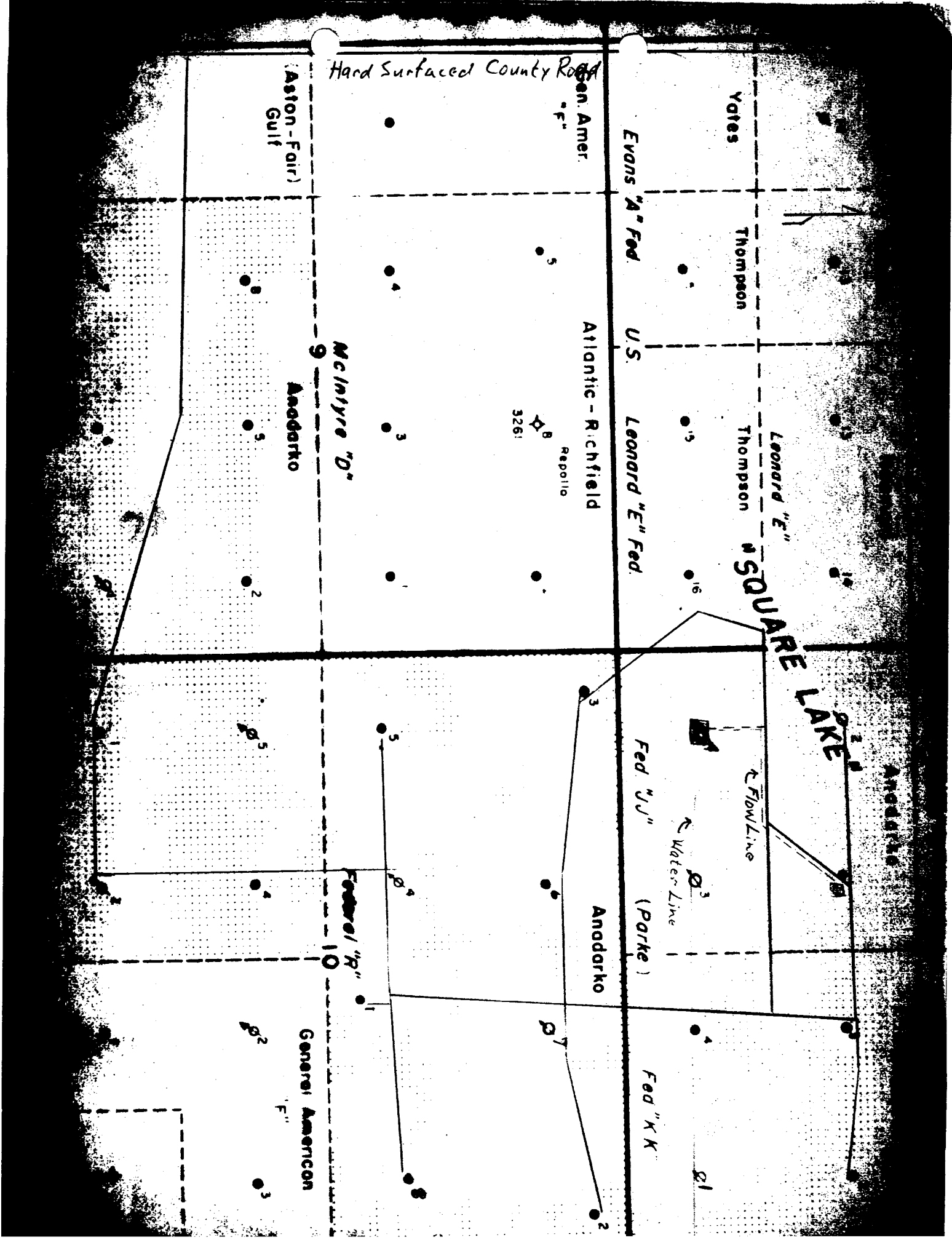
13. Certification - I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and, that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

March 31, 1977  
Date

Name

Area Supervisor  
Title

- Office Phone 677-2411  
- Home Phone 746-6320



Hard Surfaced County Road

Gen. Amer.  
"F"

(Aston-Fair)  
Gulf

Yates

Thompson

EVANS "A" Fed

U.S.

Leonard "E" Fed.

Leonard "E"

Thompson

SQUARE LAKE

Atlantic - Richfield

Repollo  
3261

McIntyre "D"

Anodarko

Anodarko

Fed "JJ"

(Porke)

Anodarko

Fed "KK"

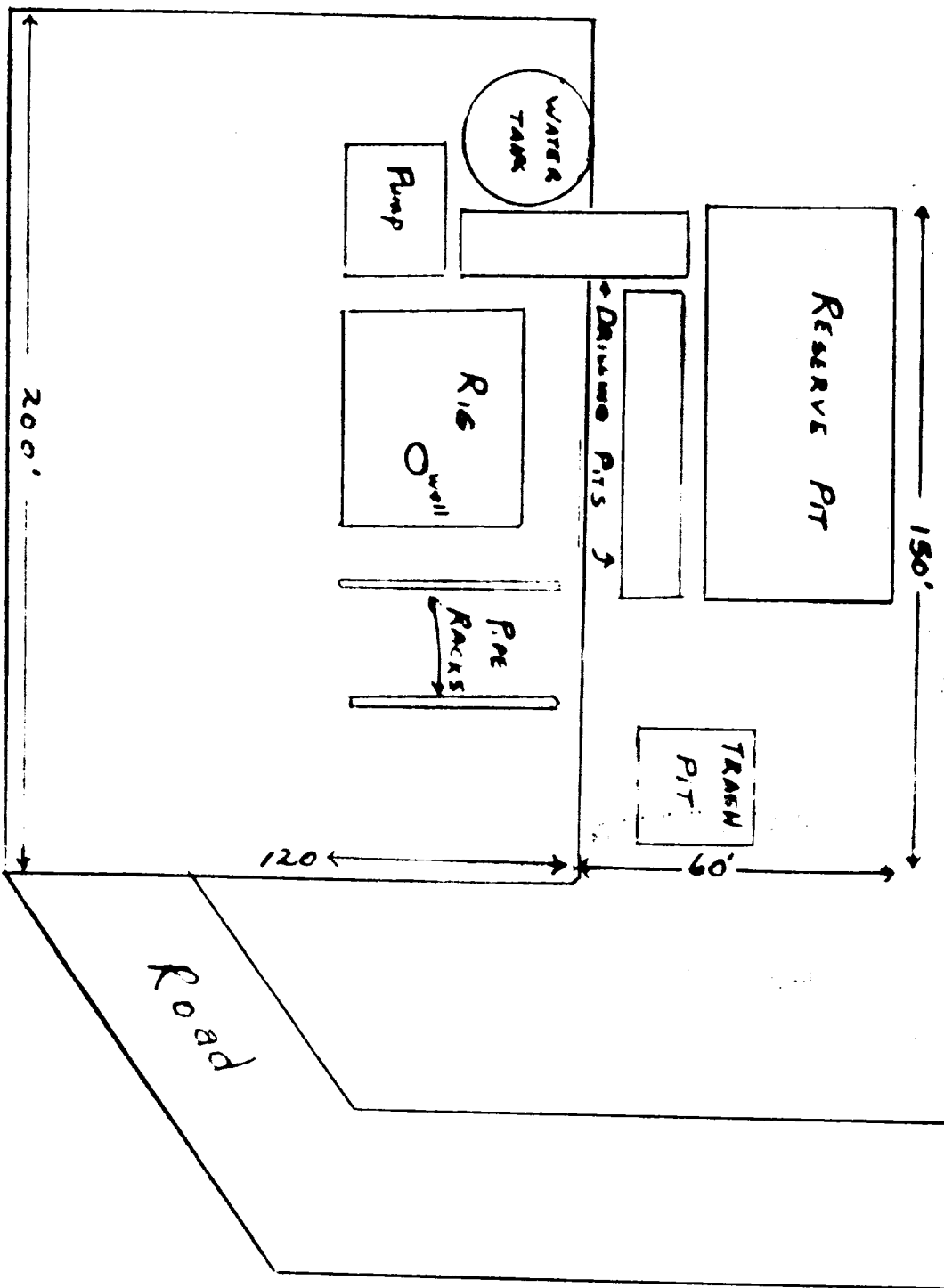
Federal "R"

General American  
"F"

Flow Line

Water Line





ANADARKO PRODUCTION COMPANY  
Standard Rig Layout

1900 100 100

RECEIVED  
JUL 12 1900  
U.S. DEPT. OF AGRICULTURE

ARIZONA, NEW MEXICO  
U.S. DEPT. OF AGRICULTURE