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	Lease	Well No.
PAN AMERICAN PETROLEUM CORP.	POKER LAKE UNIT FEDERAL	36

Unit Letter	Section	Township	Range	County
P	28	24 SOUTH	31 EAST	EDDY

Actual Footage Location of Well:
660 feet from the SOUTH line and 660 feet from the EAST line

Ground Level Elev.	Producing Formation	Pool	Dedicated Acreage:
3473'	Miss.	WILDCAT	40 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).

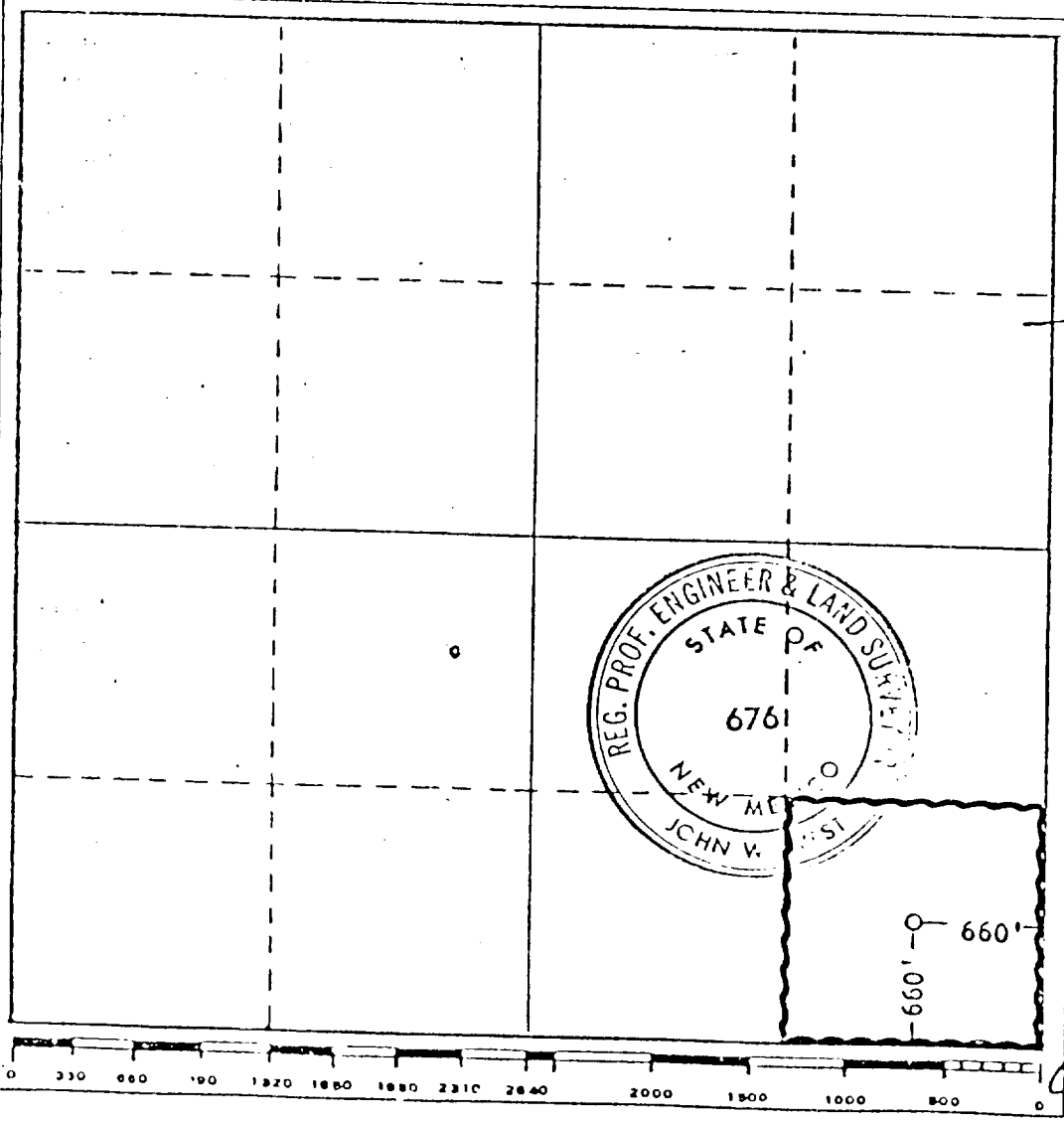
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling. etc?

RECEIVED
AUG 2 1966
O. C. C.
ARTESIA, OFFICE

☐ 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

Position
AREA SUPT

Company
PAN AMERICAN PETROLEUM CORPORATION

Date
7-29-66

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 25, 1966

Registered Professional Engineer and/or Land Surveyor
John W. West

Certificate No.
676

APPLICATION FOR DRILLING

Charles B. Gillespie, Jr.
Poker Lake Unit Well No. 36
660' FSL and 660' FEL
Section 28, T-24-S, R-31-E
Eddy County, New Mexico

In conjunction with Form 3160-3, Application for Permit to Drill subject well, Charles B. Gillespie, Jr. submits the following ten items of pertinent information in accordance with USGS requirements:

1. The geologic surface formation is Quaternary.

2. The tops of geologic markers are as follows:

Rustler	597'
Salado	987'
Lamar	4358'
Bell Canyon	4386'
Cherry Canyon	5286'

3. No water, oil or gas formations are expected to be encountered.

4. Casing Program: See Form 3160-3 and Exhibits F and G.

5. Pressure Control Equipment: See Form 3160-3 and Exhibit E.

6. Mud Program: See Exhibit H.

7. Testing, Logging and Coring Programs: None anticipated.

8. No abnormal pressures or temperatures are anticipated.

9. Anticipated starting date: As soon as possible.

10. Well will be completed in accordance with New Mexico Oil Conservation Division Order No. SWD-381 dated November 8, 1989.

MULTI-POINT SURFACE USE AND OPERATIONS PLAN

Charles B. Gillespie, Jr.
Poker Lake Unit Well No. 36
660' FSL and 660' FEL
Section 28, T-24-S, R-31-E
Eddy County, New Mexico
(Disposal Well)

This plan is submitted with Form 3160-3, Application for Permit to Drill, covering the above described well. The purpose of this plan is to describe the location of the proposed well, the proposed construction activities and operations plan, the magnitude of necessary surface disturbance involved and the procedures to be followed in rehabilitating the surface after completion of the operations so that a complete appraisal can be made of the environmental effects associated with the operations.

1. EXISTING ROADS.

   A. Exhibit A is the BLM Quad-Color map no. SE-29. Exhibit B is a portion of a USGS topographic map of the area on a scale of approximately 2.65 inches to the mile, showing the location of the proposed wellsite and roads in the vicinity. The proposed location is situated approximately 17 miles east of Malaga, New Mexico, via the access route shown in red.

      DIRECTIONS:

      1. Proceed east from Loving, New Mexico on Highway 128 for approximately 22 miles.
      2. Turn right (southwest) and continue on caliche road CR 786 for 4.6 miles.
      3. Turn left (south) on existing caliche road CR 791 and continue for .8 miles to the drillsite.

2. PLANNED ACCESS ROAD.

   A. The proposed access is an existing caliche road CR 791 which is currently being used.

   B. A new road will not be necessary.

3. LOCATION OF EXISTING WELLS.

   A. The well locations in the vicinity of the proposed well are shown in Exhibit C. There are four wells within a one-mile radius, one of these has been plugged and abandoned.

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES.

   A. There are two producing wells on this lease at the present time, the Poker Lake Unit No. 70 (SE/4 SE/4 of same section) and the Poker Lake Unit No. 72 (NE/4 SE/4 of same section).

   B. Disposal facilities will be installed at the Poker Lake Unit No. 70 and 72 production facilities. Electrical power will be required at the proposed facilities.

5. LOCATION AND TYPE OF WATER SUPPLY.

   A. It is planned to drill the proposed well with a fresh water system. The water will be obtained from commercial sources and will be hauled to the location by truck over the existing roads shown in Exhibits A and B.

6. SOURCES OF CONSTRUCTION MATERIALS.

   A. Any caliche required for construction of the drilling pad will be obtained from an existing pit on federally owned surface shown on Exhibit A.

7. METHODS OF HANDLING WASTE DISPOSAL.

   A. Drill cuttings will be disposed of in the reserve pits.

   B. Drilling fluids will be allowed to evaporate in the reserve pits until the pits are dry.

   C. Current laws and regulations pertaining to the disposal of human waste will be complied with.

   D. Trash, waste paper, garbage and junk will be buried in a separate trash pit and covered with a minimum of 24 inches of dirt. All waste material will be contained to prevent scattering by the wind.

   E. All trash and debris will be buried or removed from the wellsite within 30 days after finishing drilling and/or completion operations.

8. ANCILLARY FACILITIES.

   A. None required.

9. WELLSITE LAYOUT.

   A. Exhibit D shows the dimensions of the well pad and reserve pits, and the location of major rig components.

   B. The ground surface at the drilling location is relatively flat. The pad area will be covered with at least six inches of compacted caliche.

   C. The reserve pits will be plastic lined.

   D. The pad and pit area has been staked and flagged.

10. PLANS FOR RESTORATION OF THE SURFACE.

   A. After finishing drilling and/or completion operations, all equipment and other material not needed for further operations will be removed. The location will be cleared of all trash and junk to leave the wellsite in as aesthetically pleasing a condition as possible.

   B. Unguarded pits, if any, containing fluids will be fenced until they have been filled.

C. If the proposed well is abandoned, all rehabilitation and/or vegetation requirements of the Bureau of Land Management and the United States Geological Survey will be complied with and will be accomplished as expeditiously as possible. All pits will be filled and leveled within 90 days after abandonment.

11. TOPOGRAPHY.

A. The wellsite and access route are located in a relatively flat area.

B. The top soil at the wellsite is sandy.

C. The vegetation cover at the wellsite is moderately sparse with prairie grasses, mesquite, some yucca and miscellaneous weeds.

D. No wildlife was observed but it is likely that rabbits, lizards, insects and rodents traverse the area. The area is used for cattle grazing.

E. There are no ponds, lakes, streams or rivers within several miles of the wellsite.

F. There is a stock tank located approximately 1/2 mile south of the proposed site.

G. The wellsite is located on federal surface.

H. There is no evidence of any archaeological, historical or cultural sites in the vicinity of the location.

12. OPERATOR'S REPRESENTATIVES.

A. The field representatives responsible for assuring compliance with the approved surface use plan are:

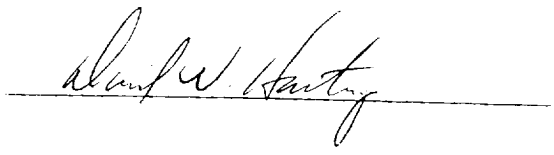
David W. Hastings
Production Manager
Charles B. Gillespie, Jr.
P. O. Box 8
Midland, Texas 79702
Phone: 915-683-1765 (office)
915-697-9817 (home)

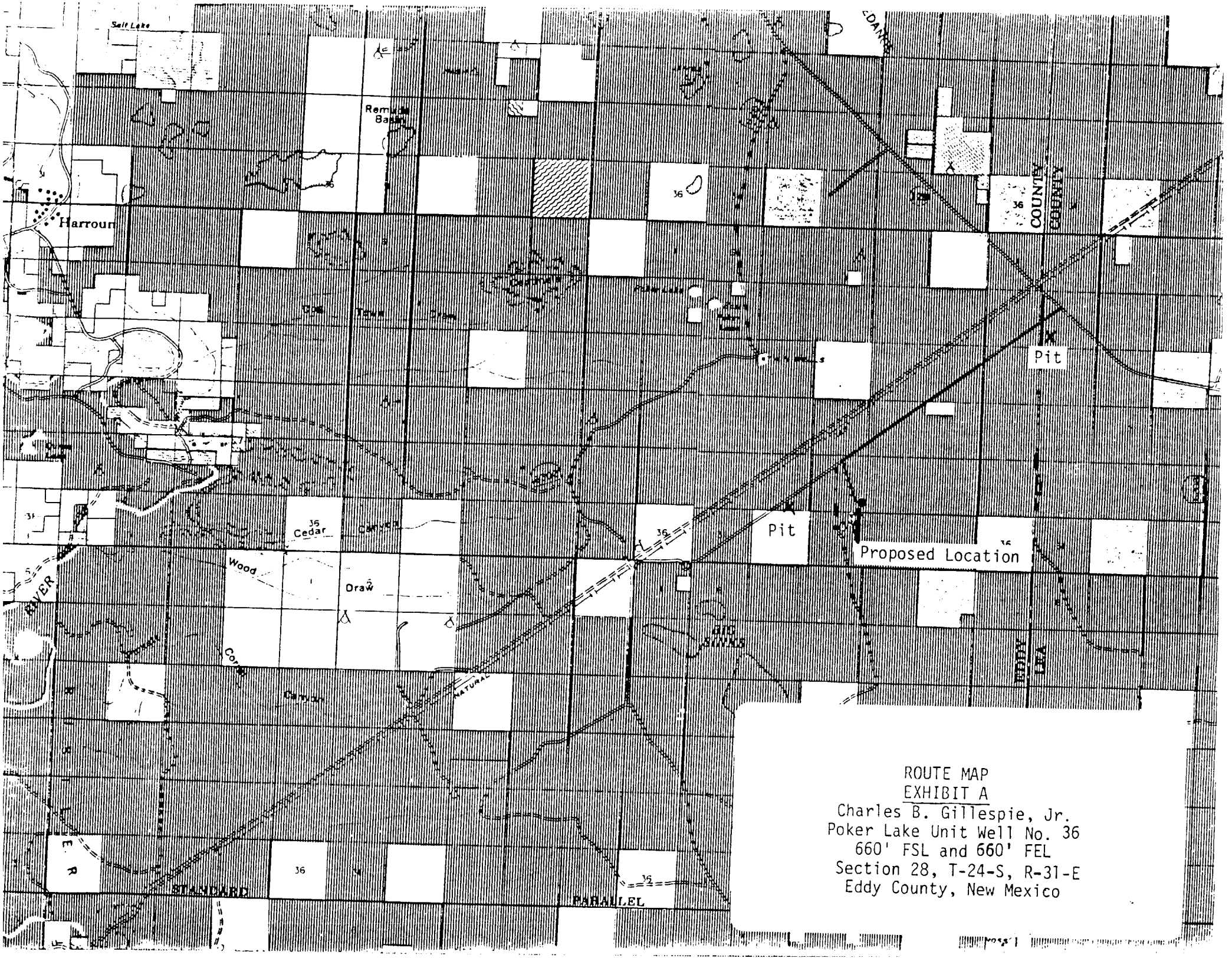
William R. Crow
Exploration Manager
Charles B. Gillespie, Jr.
P. O. Box 8
Midland, Texas 79702
Phone: 915-683-1765 (office)
915-697-4312 (home)

13. CERTIFICATION.

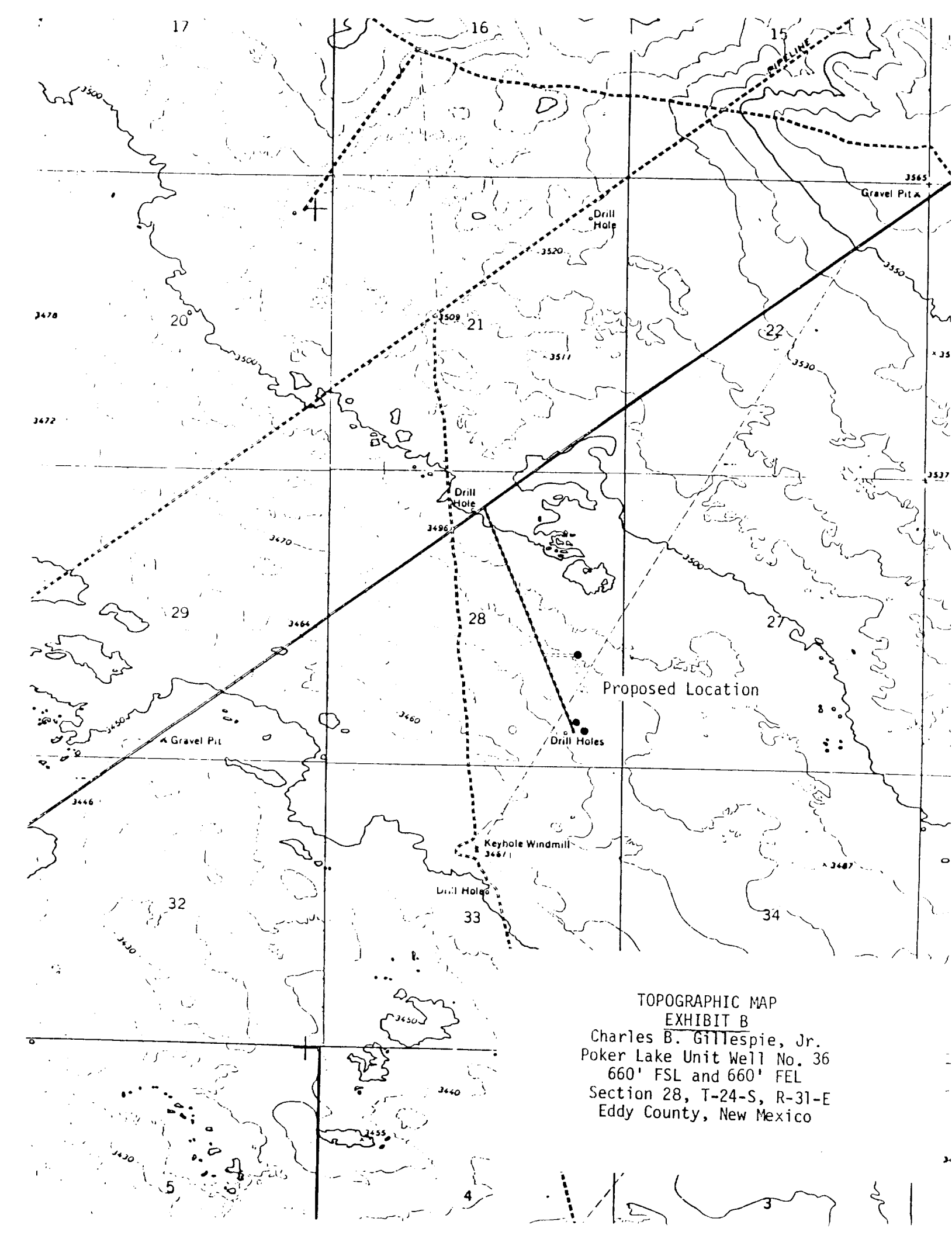
I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by Charles B. Gillespie, Jr. and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

November 16, 1989
Date

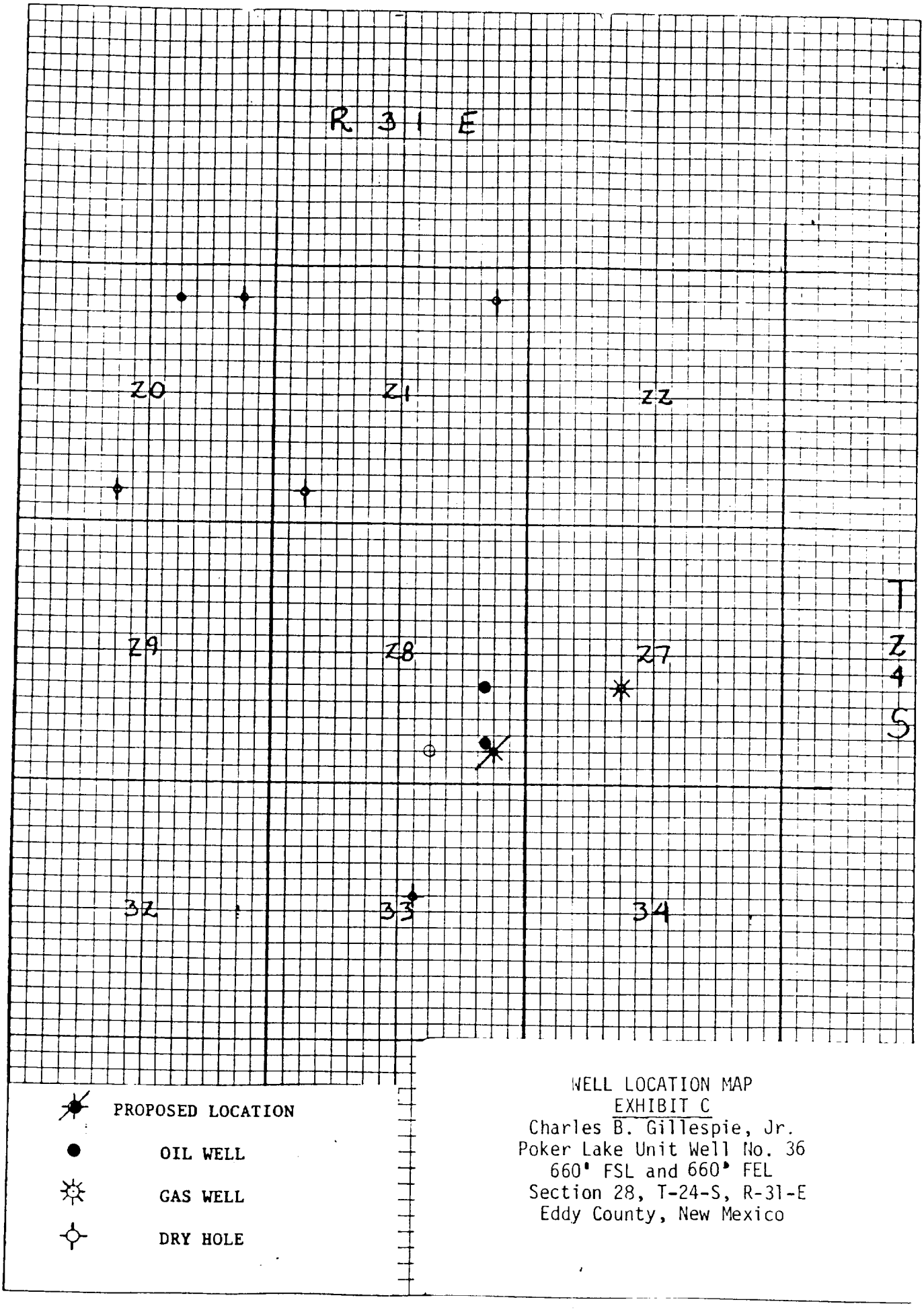




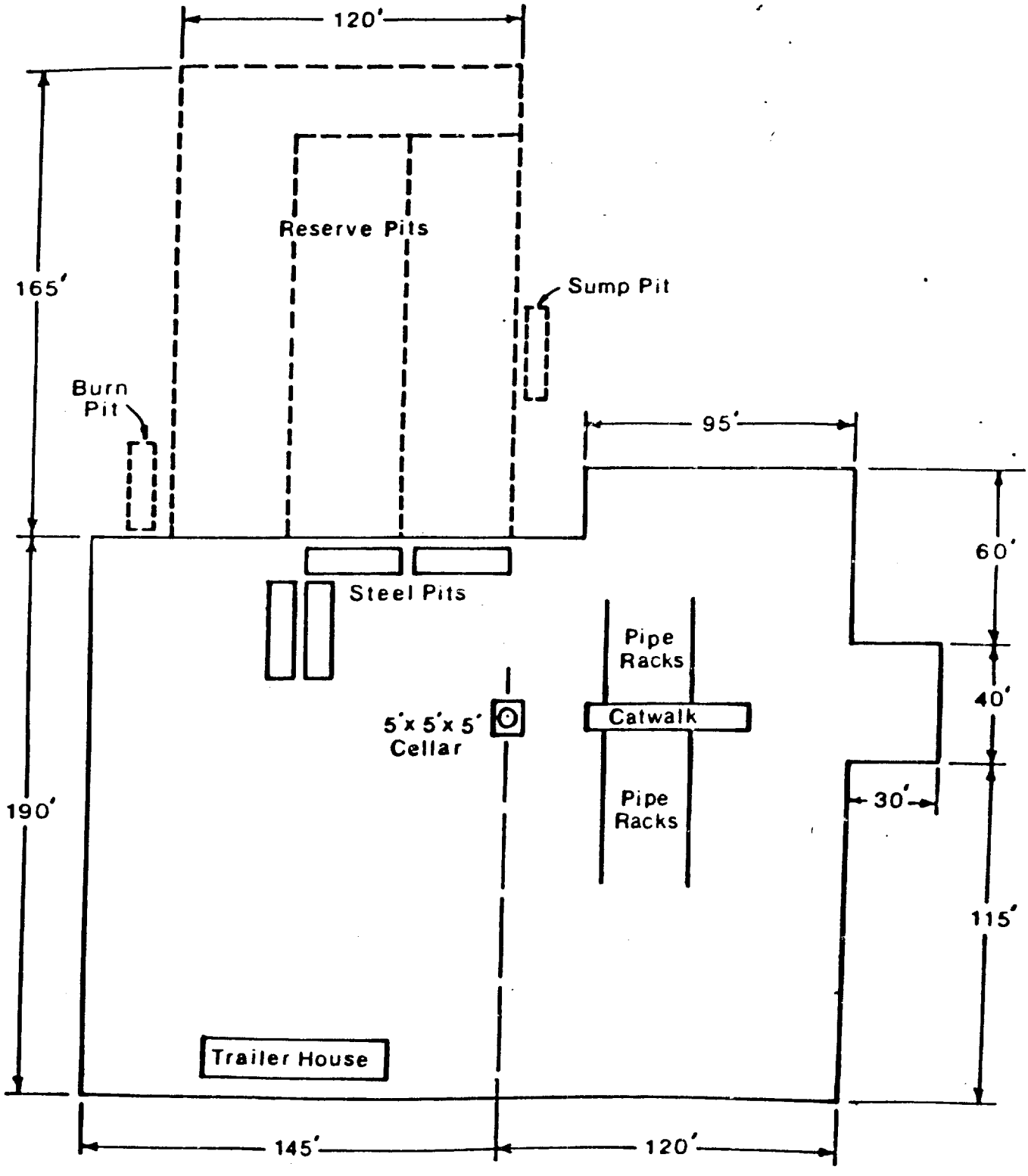
ROUTE MAP
EXHIBIT A
Charles B. Gillespie, Jr.
Poker Lake Unit Well No. 36
660' FSL and 660' FEL
Section 28, T-24-S, R-31-E
Eddy County, New Mexico



TOPOGRAPHIC MAP
EXHIBIT B
Charles B. Gillespie, Jr.
Poker Lake Unit Well No. 36
660' FSL and 660' FEL
Section 28, T-24-S, R-31-E
Eddy County, New Mexico



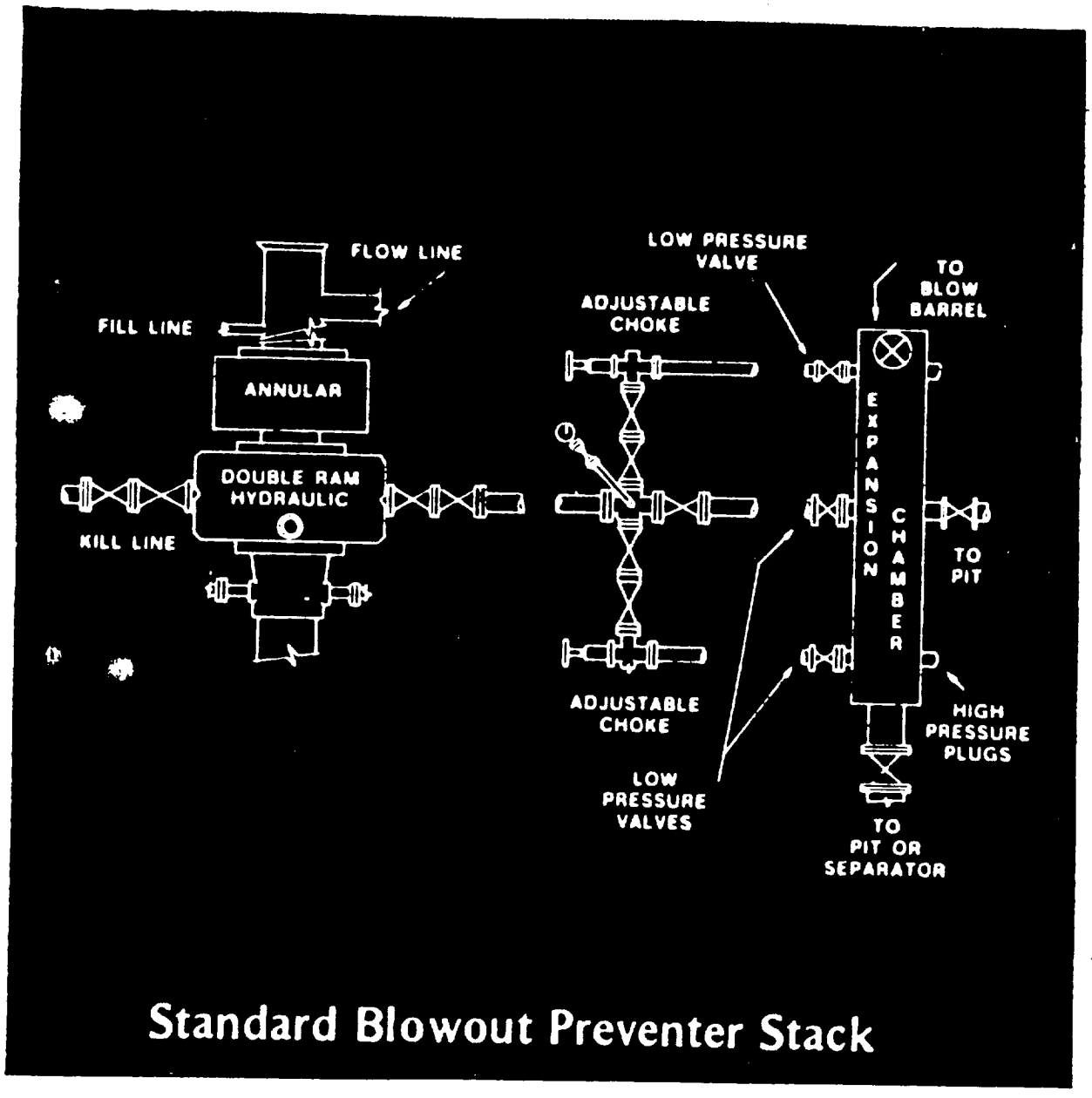
WELL LOCATION MAP
EXHIBIT C
Charles B. Gillespie, Jr.
Poker Lake Unit Well No. 36
660' FSL and 660' FEL
Section 28, T-24-S, R-31-E
Eddy County, New Mexico



PAD LAYOUT
EXHIBIT D
Charles B. Gillespie, Jr.
Poker Lake Unit Well No. 36
660' FSL and 660' FEL
Section 28, T-24-S, R-31-E
Eddy County, New Mexico

BLOWOUT PREVENTERS

One Shaffer LWS hydraulic double 13⅝" x 5,000 p.s.i. One Shaffer LWS hydraulic double 11" x 5,000 p.s.i. One Hydril 11" x 5,000 p.s.i. Annular. Choke manifold 4" x 5,000 p.s.i. flanged connections. Koomey 6-valve accumulator closing unit.



Standard Blowout Preventer Stack

BLOW OUT PREVENTER
EXHIBIT E
Charles B. Gillespie, Jr.
Poker Lake Unit Well No. 36
660' FSL and 660' FEL
Section 28, T-24-S, R-31-E
Eddy County, New Mexico

Charles B. Gillespie, Jr.

SUMMARY

RE-ENTRY AND CEMENTING PROGRAM

1. Move in rotary tools, set casing head and install BOP's.
2. Drill out 10 sx cement plug at surface.
3. Drill out 100 sx cement plug set at 4460-4560'.
4. Wash and rotate to clean hole to 6000'. Tag cement plug set at 6000-6100'.
5. Set 100 sx class 'C' cement plug from 5700-5800'. Wait on cement 24 hours.
6. Tag cement plug set at 5700-5800'.
7. Run 2 7/8" fiberglass lined tubing and 13 3/8" Baker Lok-Set packer set at 4500'.
8. Load 13 3/8" annulus with packer fluid and test 13 3/8" casing to 1000# for 30 minutes.
9. Commence injection operations.

EXHIBIT F(1)
Charles B. Gillespie, Jr.
Poker Lake Unit Well No. 36
660' FSL and 660' FEL
Section 28, T-24-S, R-31-E
Eddy County, New Mexico

CEMENT PROGRAM

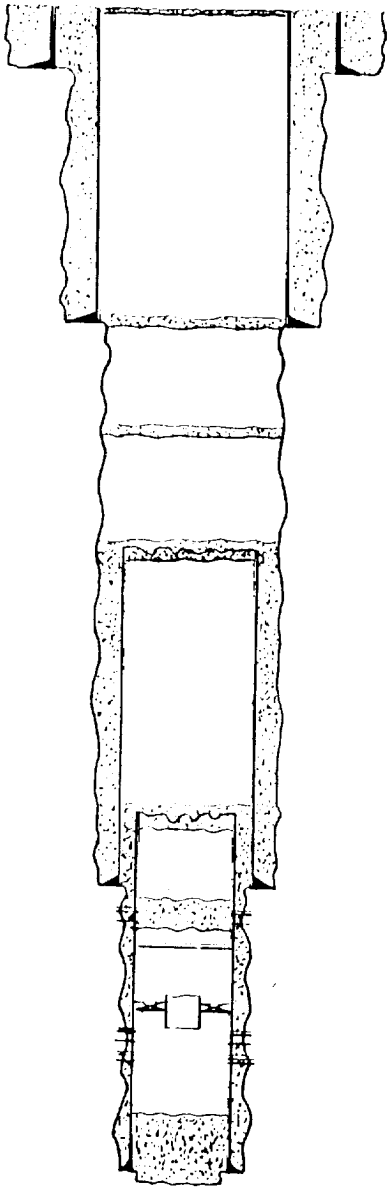
12 1/4" Open Hole: 100 sx. class 'C' containing 2% $CaCl_2$. 5700-5800'

EXHIBIT F(2)
Charles B. Gillespie, Jr.
Poker Lkae Unit Well No. 36
660' FSL and 660' FEL
Section 28, T-24-S, R-31-E
Eddy County, New Mexico

EXHIBIT 6

PROPOSED DISPOSAL WELL

Charles B. Gillespie, Jr.
Poker Lake Unit No. 36
660' FSL & 660' FEL
Section 28-T24S-R31E
Eddy County, New Mexico



TD 16,660'

10 sx. cmt. plug @ surface with marker.

26" hole.

20" csg. set @ 875' w/1300 sx. cmt.
Cmt. circ. to surface.

17 1/2" hole.

13 3/8" csg. set @ 4513' w/4050 sx. cmt.
Cmt. circ. to surface.

100 sx. cmt. plug set @ 4460-4560'.

12 1/4" open hole.

100 sx. cmt. plug set @ 6000-6100'.

12 1/4" open hole.

Shot and pulled 9 5/8" csg. @ 7730'.
Spotted 50 sx. cmt. plug in and out of csg. stub.

12 1/4" hole.

Shot and pulled 7" csg. liner @ 11,470'.
Spotted 100 sx. cmt. plug in and out of csg. stub.

9 5/8" csg. set @ 12,551' w/2300 sx. cmt.
Calc. TOC @ 8400'.

8 3/4" hole.

Perforations 12,843'-13,061'.
100 sx. cmt. plug set @ 12,710-13,170' to cover perfs.

CIBP set @ 13,400'.

Cut and pulled 2 1/2" tbg. @ 14,182'.

Baker Model "D" Packer @ 14,300'.

Perforations 14,590-650', 14,740-755',
14,910-944', 14,950-971',
14,988-15,010'.

7" csg. liner set from 12,320-16,526'
w/1150 sx. cmt. Calc. TOC @ 12,400'.

5 7/8" open hole from 16,526-16,660'.
Squeezed open hole w/200 sx. cmt. PBTD 15,767'.

Completed as producing gas well 2-28-67.
Recompleted as producing gas well 6-14-67.
P & A 2-5-68.

SUGGESTED DRILLING FLUID PROGRAM

0-6000': Drill out with fresh water gel to which lime is added to a 36-40 vis. Paper can be added for seepage. Mud weight and viscosity may be altered as hole conditions dictate. This type of drilling fluid should be sufficient to clean hole to 6000'.

EXHIBIT H
Charles B. Gillespie, Jr.
Poker Lake Unit Well No. 36
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Eddy County, New Mexico