

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
P. W. Estill

3. ADDRESS OF OPERATOR
c/o Oil Reports & Gas Services, Inc., Box 743, Hobbs, N. M.

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
 At surface **1980' FNL & 1980' FNL, Section 21**
 At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
10 miles southeast 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 **320**

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. **none**

19. PROPOSED DEPTH **13,700'**

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
3834.5 GR

22. APPROX. DATE WORK WILL START*
When rig is available

5. LEASE DESIGNATION AND SERIAL NO.
NH-0252727

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
Federal-21

8. FARM OR LEASE NAME
Federal-21

9. WELL NO.
1

10. FIELD AND POOL, OR WILDCAT
Union. S. Corbin Morrow Gas

11. SEC., T., R., M., OR BLK.
 AND SURVEY OR AREA
Sec. 21, T18N, R33E

12. COUNTY OR PARISH
Lea

13. STATE
N. M.

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17	12 3/4	36#	375'	disc
11	8 5/8	24# & 32#	4800'	450
7 5/8	5 1/2	17# & 20#	13,700'	900

DRILLING MUST BE IN COMPLIANCE WITH
 THE ATTACHED "DRILLING WELL CONTROL
 REQUIREMENTS" DATED **6-22-73**

*Sufficient to fill
 to Base Salt*

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.

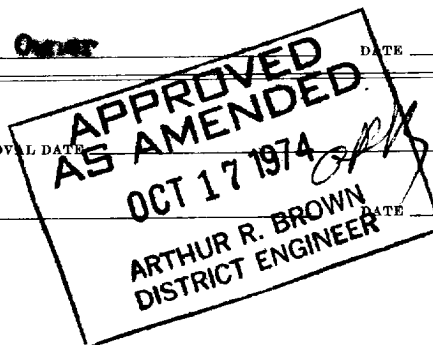
24. SIGNED *[Signature]* TITLE Owner DATE 10/2/74

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____

CONDITIONS OF APPROVAL, IF ANY:



ILLEGIBLE

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PL

Form
Supplemental
10-1-74

All dedications must be from the outer boundaries of the section.

F. W. ESTILL

FEDERAL 21

1

21

18 SOUTH

33 EAST

LEA

1980

NORTH

1980

WEST

320.5

Morrow

Corbin (So.), Morrow Gas

320

Draw the acreage dedicated to the subject well by colored pencil or ballpoint pen on the plat below.

Indicate that the acreage is dedicated to the well, outline each and identify the owner's share of each as follows:
NM-0252727 NW/4 21-18S-33E WI - Estill, RI - Federal
NM-0997 N/2 SW/4 21-18S-33E WI - Estill, RI - Federal
L-4520 S/2 SW/4 21-18S-33E WI - Estill, RI - State
Indicate that acreage not being dedicated to the well, have the interest of all owners and the acreage of each owner indicated on the plat below.

x **Community Development and Communitization**

Indicate the acreage which is being dedicated to the well, and the acreage which is being dedicated to the community development and communitization project. The acreage which is being dedicated to the community development and communitization project shall be indicated by a dashed line. The acreage which is being dedicated to the well shall be indicated by a solid line. The acreage which is being dedicated to the community development and communitization project shall be indicated by a dashed line. The acreage which is being dedicated to the well shall be indicated by a solid line.

F. W. Estill
0252727

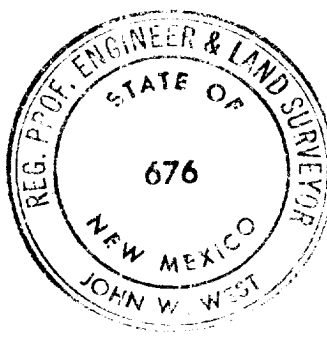
U S

NM-0997

U S

L-4520

State



B. A. Talley
Agent

F. W. Estill

January 8, 1974

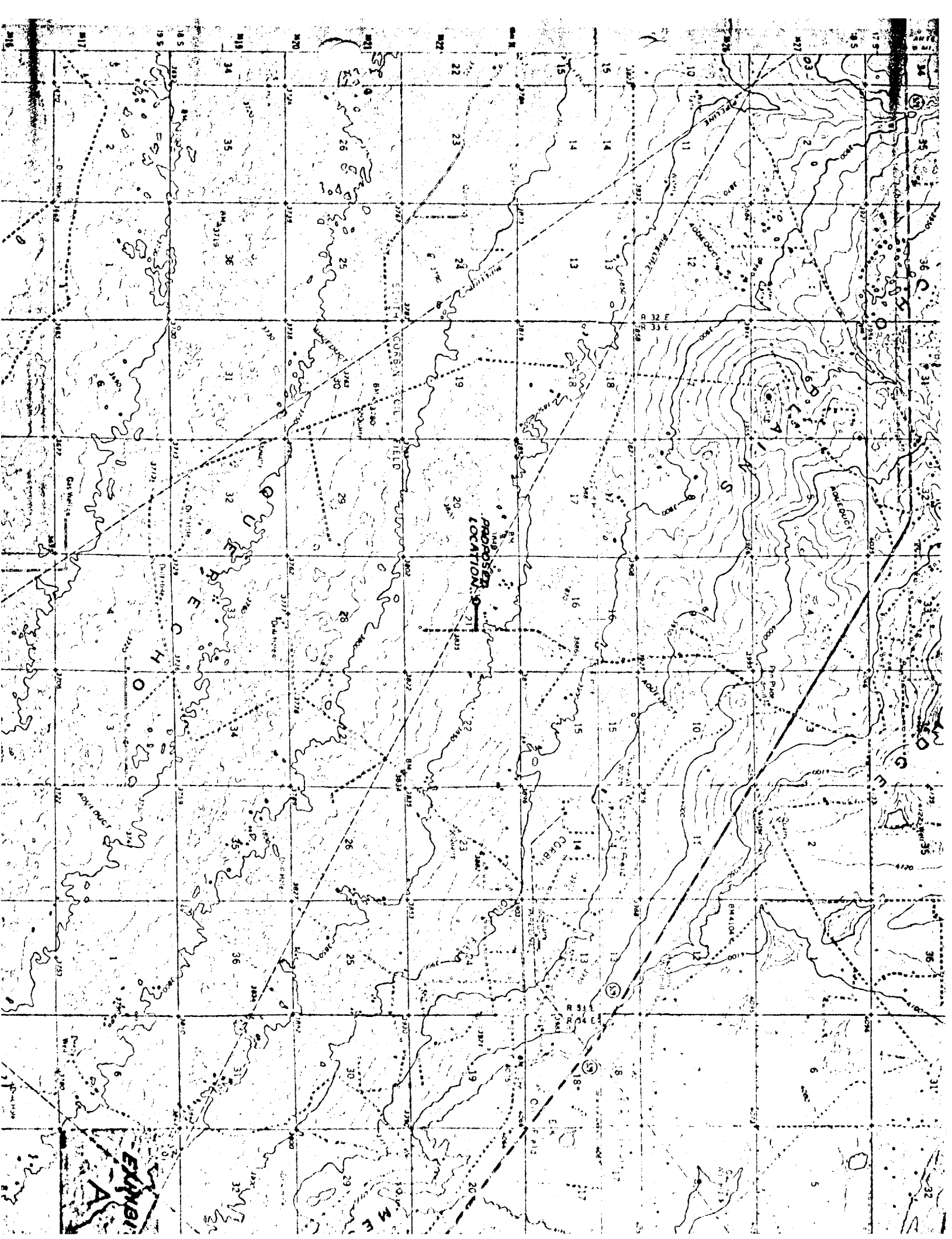
January 8, 1974

John W. West

DEVELOPMENT PLAN FOR SURFACE USE

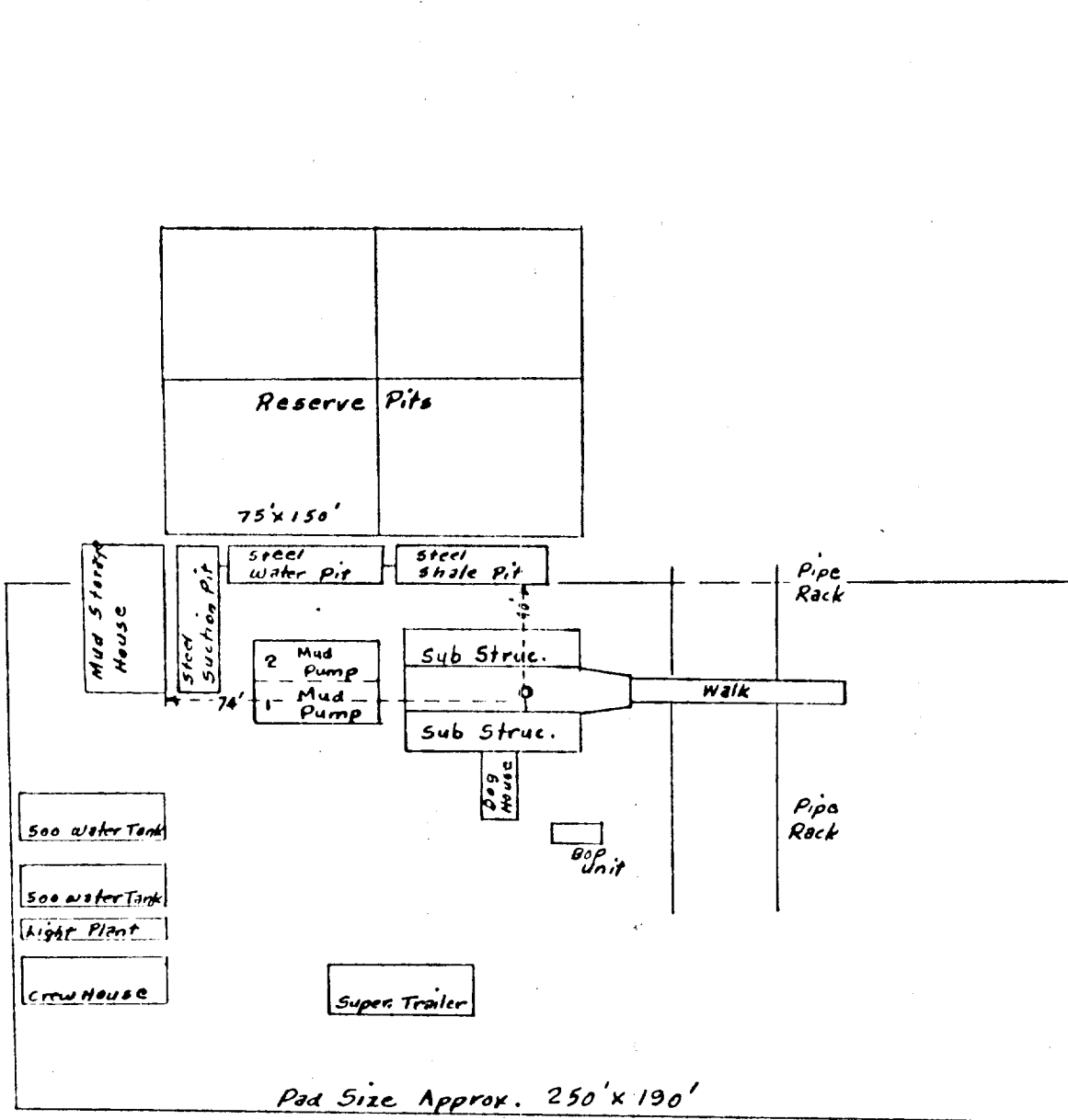
F. W. ESTILL No. 1 FEDERAL - 21
1980 FN & WL's, Section 21, T18S, R33E
Lea County, New Mexico

1. Existing Roads: See attached reproduction from USGS Quadrangles (Portions of Laguna Gatuna and Buckeye) marked Exhibit "A". An existing caliche surfaced road exits from New Mexico State Highway No. 529 at a point approximately 1-1/2 miles northwest of the northwest boundary of the E-K Queen Pool Unit. This road meanders generally south with laterals from it connecting to wells drilled by Aztec Oil and Gas Company in SE/4 Section 21, SE/4 Section 20, and NW/4 Section 28, T18S, R33E. The road is indicated in yellow color.
2. Planned Access Roads: Exhibit "A"
An access road to the location will commence at the above mentioned existing road and be graded east to west a distance of approximately 1/4 mile. It will be surfaced with caliche. Width to accommodate normal two lanes of traffic.
3. Location of Existing Wells: See Exhibit "B"
4. Lateral Roads to Well Locations: Covered in Item 1.
5. Location of Tank Batteries and Flow Lines: If well is productive and commercial, tank battery to be positioned on southwest portion of drilling pad with flow lines traversing a direct route to stack-pack and separator probably located on northeast portion of pad. Thence to tank battery.
6. Location and Type of Water Supply: As far as known no water available in immediate area. Water for drilling to be hauled to location by tank truck.
7. Methods for Handling Waste Disposal: All waste and debris to be placed in ~~reactive~~ **TRASH** pit and covered during final clean up.
8. Location of Camps: None.
9. Location of Airstrips: None.
10. Location Layout (Rig, Pits, Pipe Racks, etc.): See Exhibit "C".
11. Plans for Restoration of Surface: All pits to be filled and pits and location graded and levelled.
12. Other Information: The terrain is sandy with some dunes. Vegetation is mesquite and scrub oak. No creeks, gullies or washes extreme enough to present special consideration.



[illegible]

Drilling Rig Layout



Pad to be compacted

Double hydraulic 1500 Series Shaffer blow-out preventer and
1500 Series choke Manifold + HYDRIL

Mud Program:

Surface to 375' - Magrogel and lime

375' to 4800' - Native mud

4800' to 10,000' - Brine

10,000' to TD - 5214 gel mud 11/50. 33-24 11/5 10 5-10