

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL ☐ Re-enter DEEPEN ☐ PLUG BACK ☐		5. LEASE DESIGNATION AND SERIAL NO. LC-029415-B	
b. TYPE OF WELL OIL WELL ☒ GAS WELL ☐ OTHER ☐		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR William A. & Edward R. Hudson		7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR P.O. Box 9, Maljamar, NM 88264		8. FARM OR LEASE NAME 8809 JV-P Puckett	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 2310' FSL, 1650' FWL At proposed prod. zone		9. WELL NO. 2	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 7.5 miles southwest of Maljamar, N.M.		10. FIELD AND POOL, OR WILDCAT Malj-Gr-Sa	
15. DISTANCE FROM PROPOSED* 1650' FWL LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA K Sec 25, T17S, R31E	
16. NO. OF ACRES IN LEASE 1920		12. COUNTY OR PARISH Eddy	
17. NO. OF ACRES ASSIGNED TO THIS WELL		13. STATE N.M.	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.		20. ROTARY OR CABLE TOOLS Reverse Circulation	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) GR 3866.6		22. APPROX. DATE WORK WILL START*	

23. PROPOSED CASING AND CEMENTING PROGRAM				
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2"	13 3/8"	54.5#	400'	500 sx.- surface
11"	8 5/8"	24 & 32#	4150'	1500 sx. - surface

It is proposed to re-enter this well by drilling out the cement plugs in the 8 5/8" casing from the surface to a depth of 4000'. The well will then be completed in the GR-SA formation using acid and/or frac.

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 Laurie Hudson TITLE Prod. Supt. DATE 8-2-93
(This space for Federal or State office use)

PERMIT NO. 6/10 Dutton APPROVAL DATE OCT 5 - 1993
APPROVED BY [Signature] TITLE AREA MANAGER DATE

CONDITIONS OF APPROVAL, IF ANY:

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS
ATTACHED

MULTI-POINT SURFACE USE & OPERATIONS PLAN

William A. & Edward R. Hudson

8809 JV-P Puckett

Well No. 2

1. Existing Roads

- A. Exhibit -A- is a portion of a road map showing the location of the location as staked. Take U.S. Highway 62/180 east from Carlsbad to State Road 360, take State Road 360 north to County Road 222, take County Road 222 north to U.S. Highway 82, take U.S. Highway east to State Highway 529, take State Highway 529 east to the 3 mile marker, turn north on the established lease road, take the lease road 1/4 mile north to the location.
- B. Exhibit -B- show existing roads in the vicinity of the proposed well site.

2. Planned Access Road

- A. The existing road runs north and south 330' east of the existing location, as shown on Exhibit -C-.
- B. The lease road is 330' from our proposed well, as staked.
- C. Gates and Cattleguards; None required. There are no fences.

3. Location of Existing Wells

- A. All existing wells within the immediate area are shown on Exhibit -D-, County map.
- B. Hudson & Hudson operates two wells located in this quarter-quarter, Well #17 and 19, which produce from the Maljamar-Grayburg-San Andres-Eddy Field.

4. Location of Existing and/or Proposed Facilities

- A. Necessary production facilities for this well are located 1/4 mile north of well location.

8809 JV-P Puckett, Well No. 2

5. Location and Type of Water Supply

- A. Water needed for drilling operations will be purchased and trucked to the well site.

6. Source of Construction Materials

- A. Caliche needed for construction work will be obtained from an existing quarry on Federal Land in Section 25 just to the south of our location, and will be trucked to the well site over existing roads.

7. Waste Disposal

- A. Drill cuttings will be disposed of in the temporary workover pit.
- B. Remaining fluids will be allowed to evaporate in the reserve pit until the pit is dry enough for backfilling.
- C. Water produced during tests will be disposed of in the temporary workover pit.
- D. Oil produced during test will be stored in test tanks until transferred to the tank battery and sold.
- E. Trash, waste paper, garbage and junk will be transported from the location and disposed of in a legal trash dump.
- F. All trash and debris will be ~~buried or~~ removed from the wellsite within 30 days after drilling and/or completion operations are finished.

8. Ancillary Facilities

- A. None

9. Wellsite Layout

- A. Exhibit -E- shows the dimensions of the well pad, the pit and the road
- B. There is a 3" flow line on the surface along the existing lease road 330' east of our location stake.
- C. The temporary workover pit will be unlined, a four strand barbed wire fence will be built around the pit to keep livestock out. The pit will be covered with a net to keep birds out of any Hydro-carbons that may accumulate in the pit.
- D. Exhibit -G- shows route of proposed flow line from the well to the existing flow line located 330' east of the well.

8809 JV-P Puckett, Well No. 2

10. Plans for Restoration of Surface

- A. Following re-entry and/or completion operations, all equipment and material not needed for further operations will be removed. Pits will be filled and the location will be cleaned of all trash and junk to leave the well site in an aesthetically pleasing condition as reasonably possible.
- B. After abandonment, all equipment, trash and junk will be removed and the well site cleaned. Any special rehabilitation and/or special revegetation requirements of the surface management agency will be complied with and will be accomplished as rapidly as is reasonable possible.

11. Other Information

- A. Topography: The surface is gently undulating with numerous dunes.
- B. Soil: Top soil in the area of the well site is fine sand.
- C. Flora and Fauna: Vegetation cover is moderate and includes mesquite, shinnery oak, sand sage, yucca, weeds and range grasses. Wildlife consists of coyotes, rabbits, rodents, reptiles, dove and quail.
- D. Ponds and Streams: There are no rivers, lakes, ponds or streams in the area.
- E. Residences and Other Structures: There are no inhabited dwellings or other structures within one mile of the proposed well site.
- F. Archaeological, Historical, and Cultural: None observed in the area.
- G. Land Use: Oil and gas production, grazing, and wildlife habitat.
- H. Surface Ownership: Federal

12. Operator's Representative

- A. The field representative that is responsible for assuring compliance with the approved surface use plan are:

Dwaine Howard - Production Superintendent
P.O. Box 9, Maljamar, New Mexico 88264
Phone; 505/676-2266 (Office)
505/676-4311 (Home)
505/365-8064 (Mobile)

8809 JV-P Puckett, Well No. 2

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 be best of my knowledge true and correct; and the the work associated with the operations and proposed herein will be performed by Hudson & Hudson Oil Producers and its contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved. A well location sign showing operators name, well no., section range and township will be installed at the well site prior to operations beginning.

August 2, 1993



Dwaine Howard
Production Superintendent
Hudson & Hudson

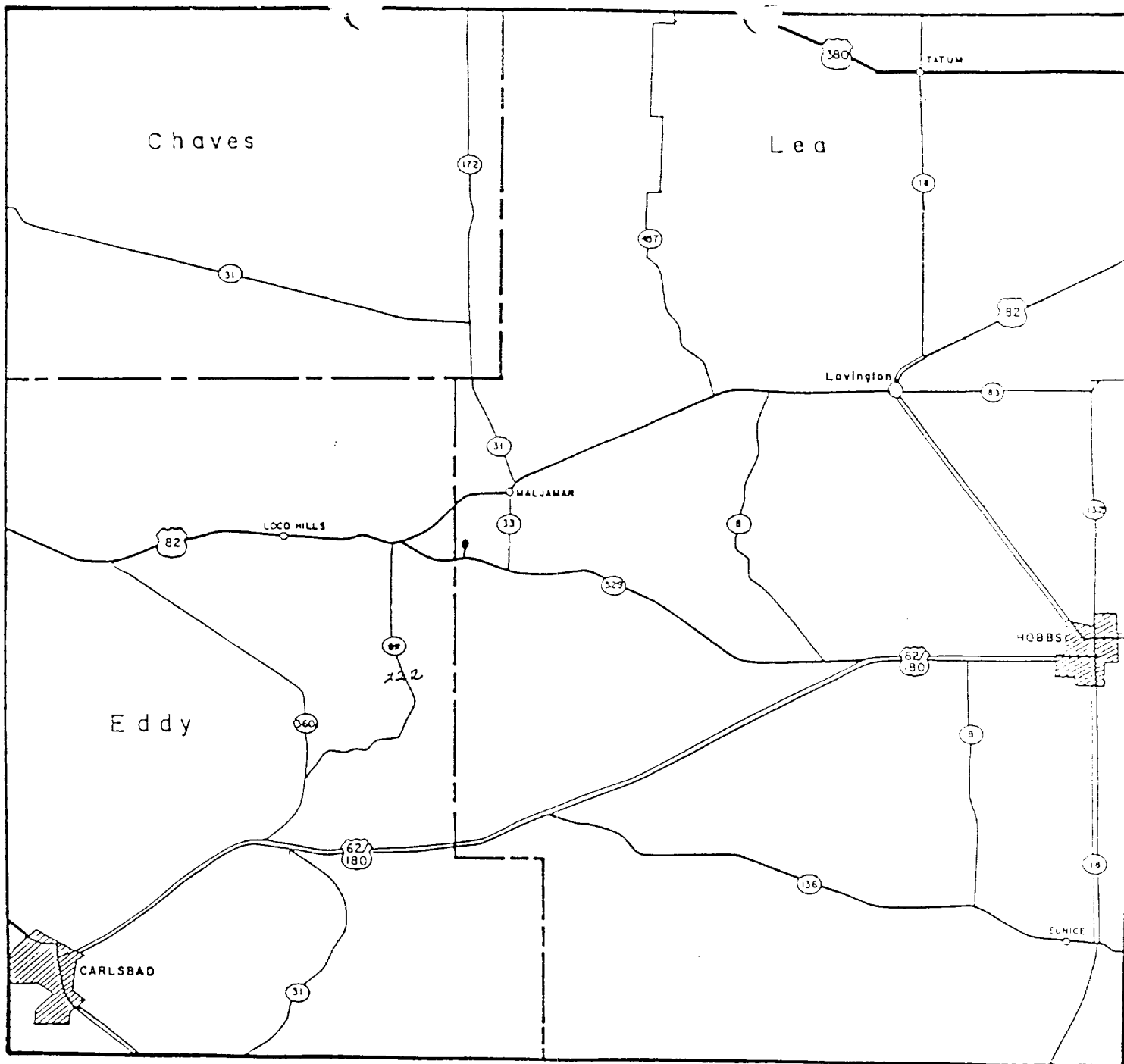


Figure 1

WILLIAM A. & EDWARD R. HUDSON
8809 JV-P Bickett No. 2

EDDY CO., NEW MEXICO

OIL & GAS FIELDS

EXHIBIT -A-
2310' FSL, 1650' FWL
Sec. 25, T17S, R31E

- | | | |
|--------------------|---------------------------|---------------------|
| ===== DIVIDED HWY. | — CONNECTING ROAD | ⬡ U.S. HIGHWAY |
| — PRIMARY ROAD | ----- UNIMPROVED ROAD | |
| — SECONDARY ROAD | *) 4 TA PROPOSED LOCATION | ○ STATE OR CO. ROAD |

Date:

Scale: 1" = Approx. 9 mi.

WILLIAM A. & EDWARD R. HUDSON

PUCKETT WATERFLOOD PROJECT

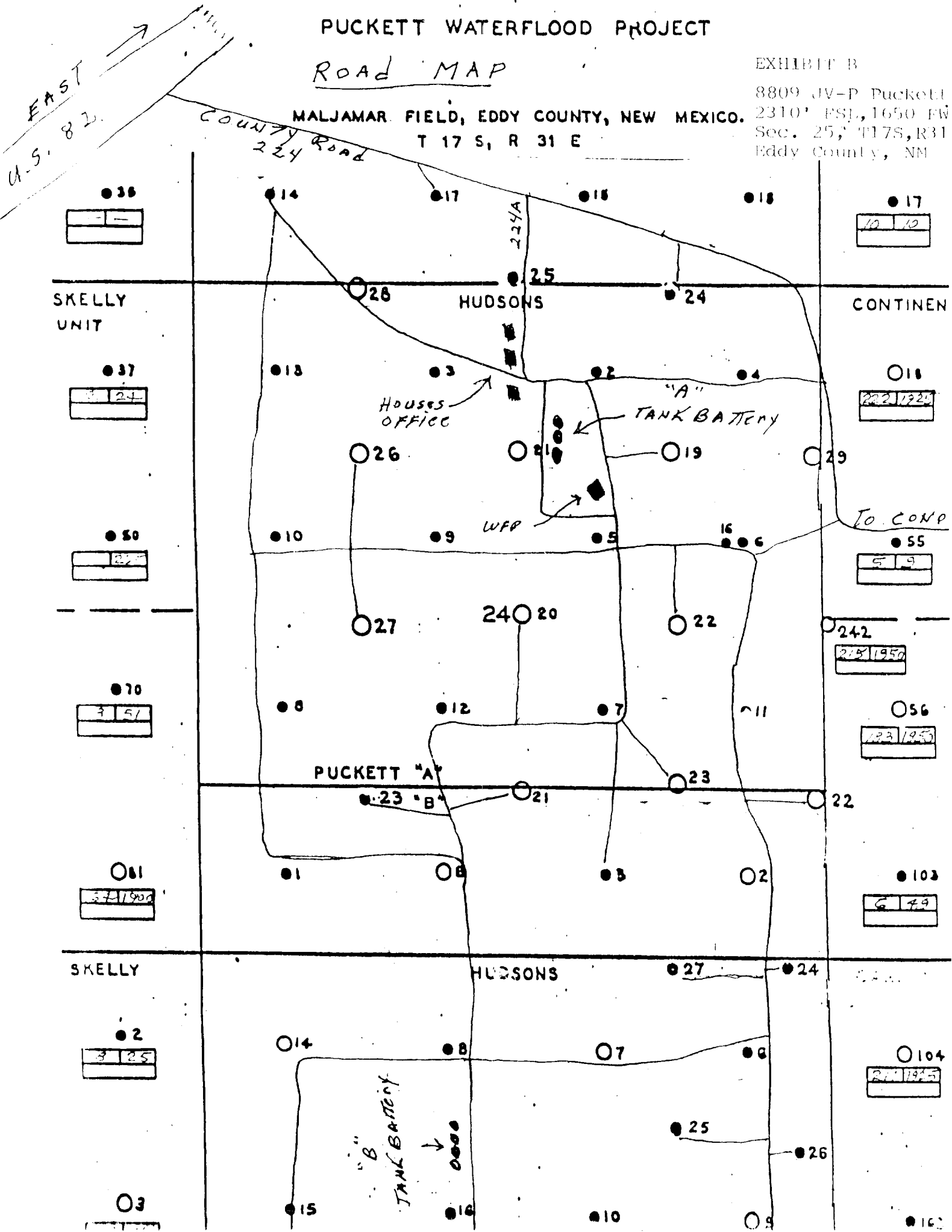
ROAD MAP

MALJAMAR FIELD, EDDY COUNTY, NEW MEXICO.

T 17 S, R 31 E

EXHIBIT B

8809 JV-P Puckett
2310' FSL, 1650' FW
Sec. 25, T17S, R31E
Eddy County, NM



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.

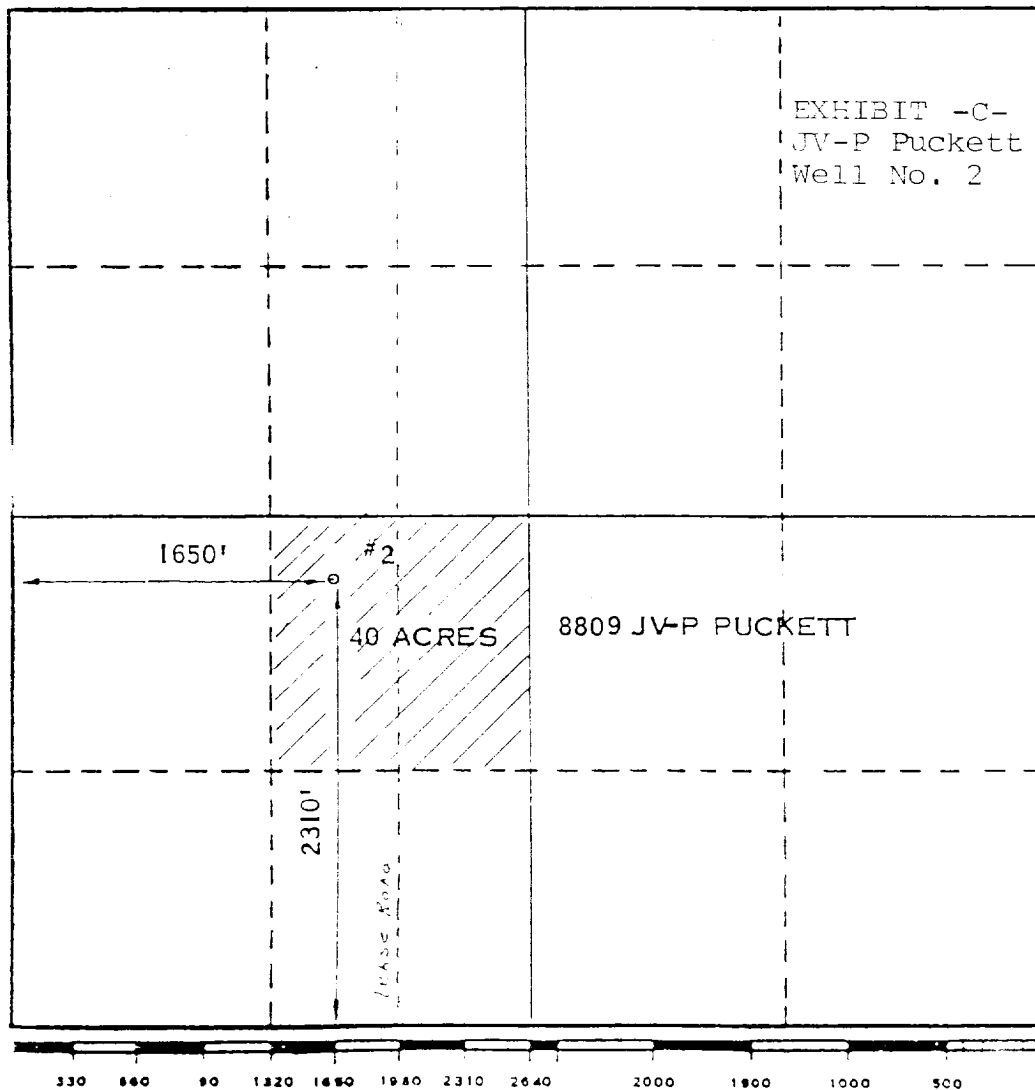
Operator BTA OIL PRODUCERS		Lease 8809 JV-P PUCKETT		Well No. 2	
Unit Letter "K"	Section 25	Township 17-S	Range 3-E	County EDDY	
Actual Postage Location of Well: 2310		SOUTH		1650 WEST	
feet from the		line and		feet from the	
Ground Level Elev. 3866.6	Producing Formation GR - SA		Pool Maljamar		Dedicated Acreage: 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.



CERTIFICATION

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

Dorothy Houghton
Name

DOROTHY HOUGHTON

Position

Regulatory Administrator

Company

BTA OIL PRODUCERS

Date

2/2/89

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
FEBRUARY 2, 1989

Registered Professional Engineer
and/or Land Surveyor

Mark A. ...

Certificate No. 1910

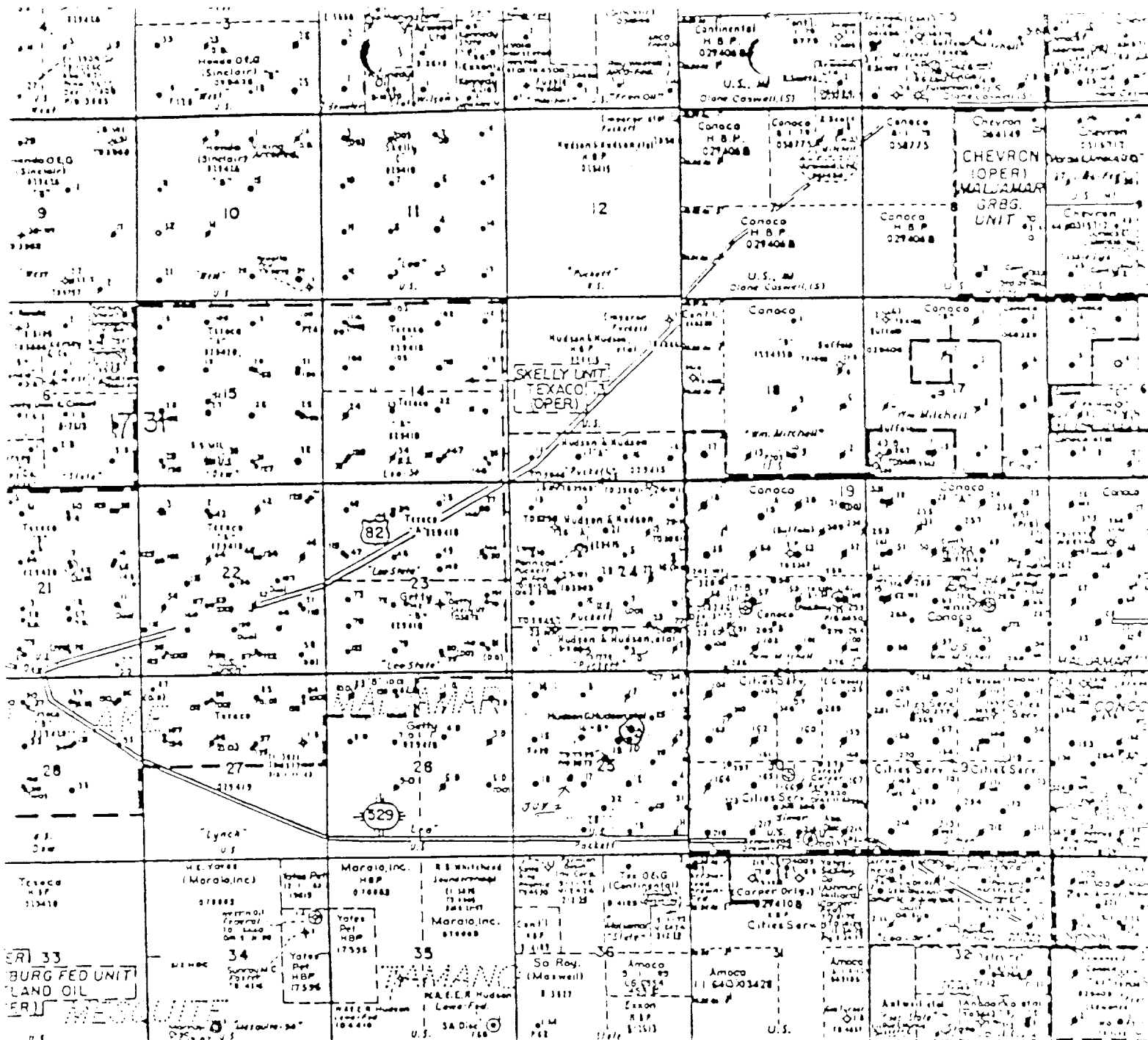


EXHIBIT -D-
8809 JV-P Puckett
Well No. 2
2310' FSL, 1650' FWL
Sec. 25, T17S, R31E
Eddy County, NM

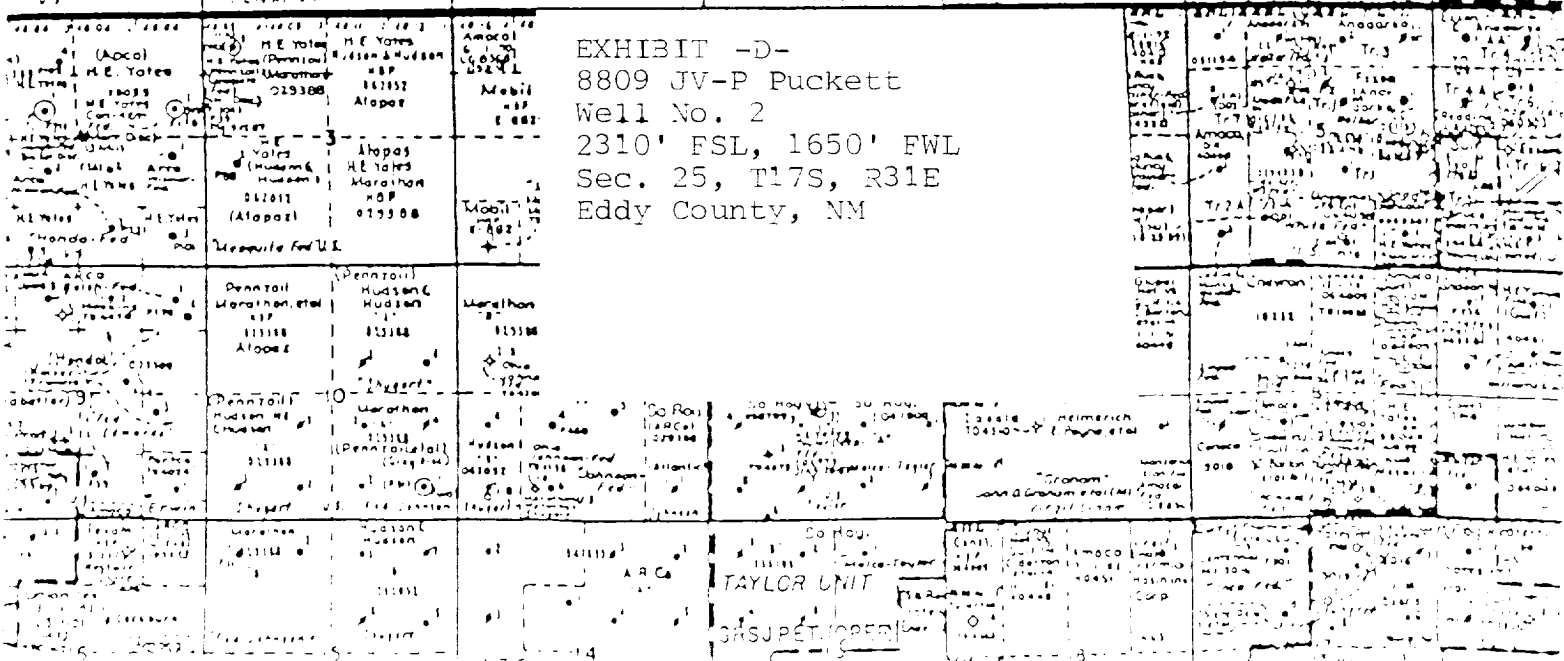


EXHIBIT -E-

Re-entry

WM. A. & ED. R. HUDSON
JV-P Puckett No. 2
2310' FSL, 1650' FWL
Sec. 25, T17S, R31E
Eddy County, N.M.

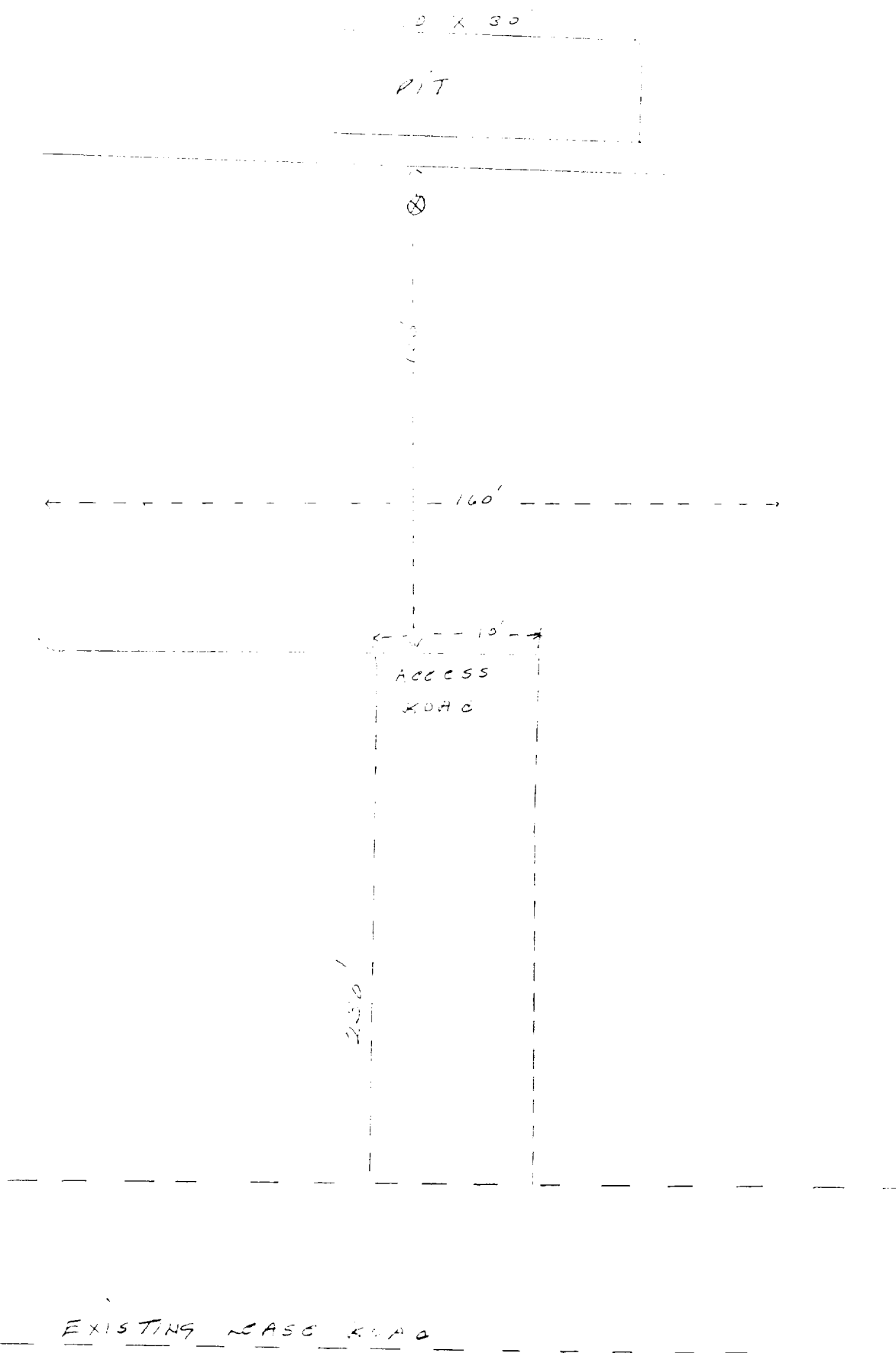
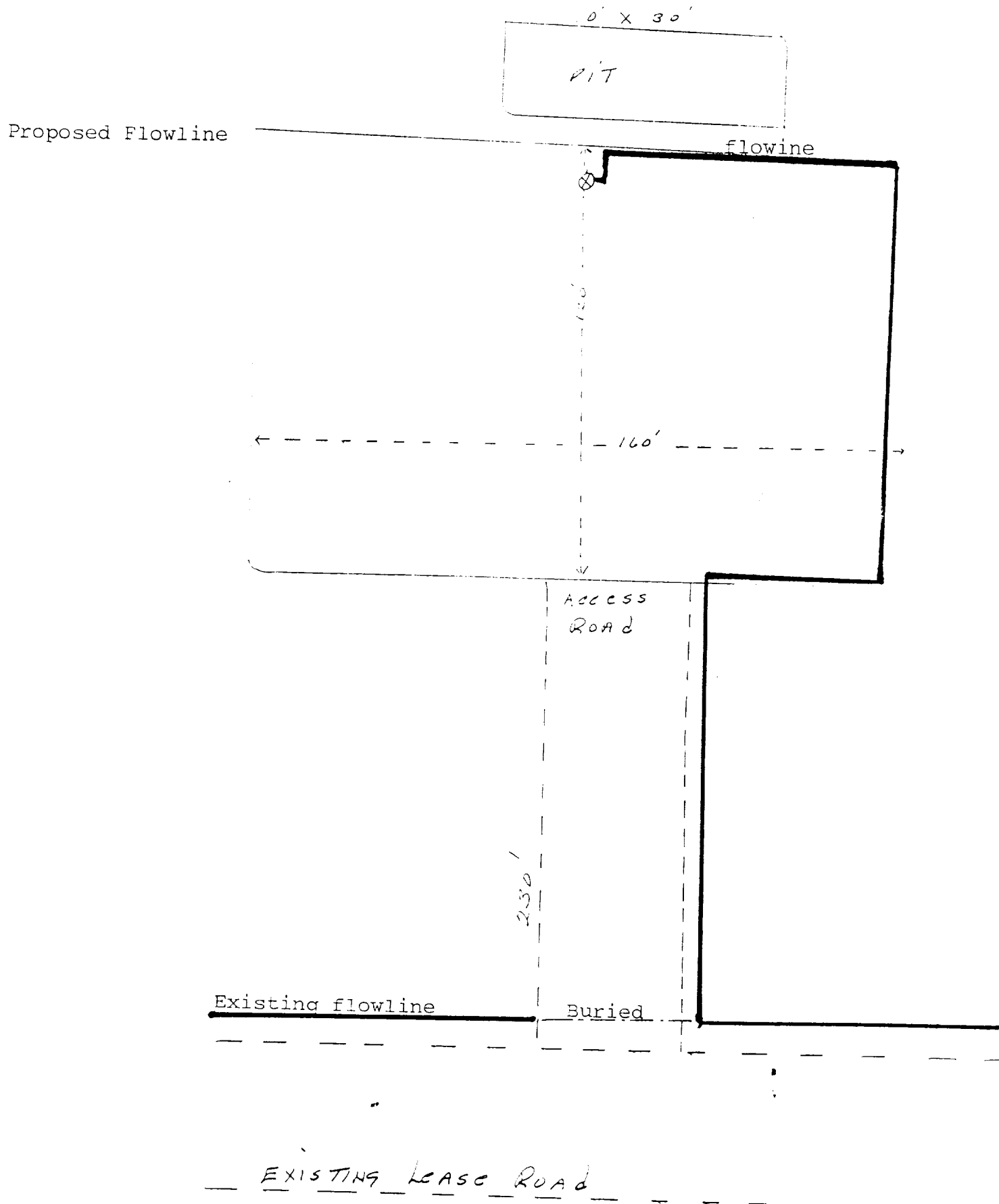


EXHIBIT -G-

Re-entry

WM. A. & ED. R. HUDSON
JV-P Puckett No. 2
2310' FSL, 1650' FWL
Sec. 25, T17S, R31E
Eddy County, N.M.



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2. NAME OF OPERATOR William A. & Edward R. Hudson			7. UNIT AGREEMENT NAME		
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11"	8 5/8"	24 & 32#	4150'	1500 sx. - surface

Exhibit -F- shows BOP to be used during re-entry and completion of the well.

Note: Exhibit -F- goes before Exhibit -G-.

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 Prod. Supt. DATE 8/2/93
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

WILLIAM A. & EDWARD R. HUDSON

6" 600-900 Double w/ Rams & Blinds
3000 PSL Test

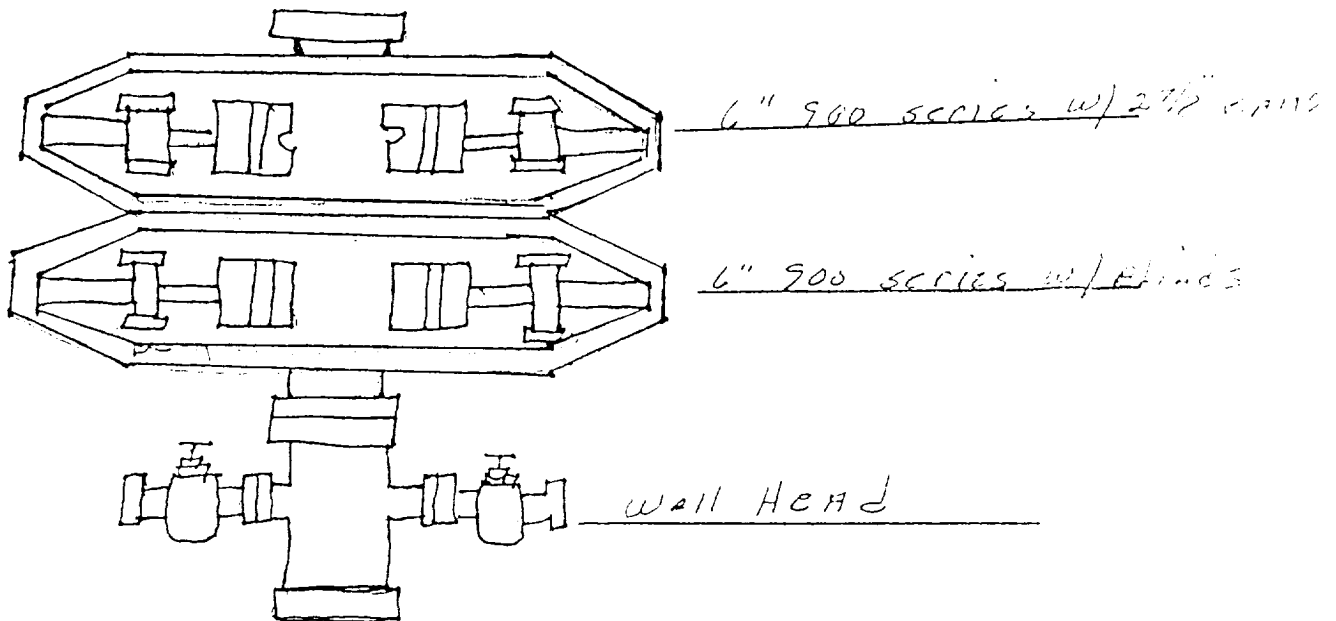


EXHIBIT -F-

JV-Puckett-No. 2
2310' FSL, 1650' FWL
Sec. 25, T17S, R31E
Eddy County, N.M.