

NM OIL CONS. MISSION
Drawer DD UNITED STATES
Artesia, NM 88210
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE*

30-015-25322
Form approved.
Budget Bureau No. 1004-0136
Expires August 31, 1985

RECEIVED JUN 28 1985

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

ARTESIA, OFFICE

PLUG BACK ☐

b. TYPE OF WELL

OIL WELL ☒

GAS WELL ☐

OTHER ☐

SINGLE ZONE ☒

MULTIPLE ZONE ☐

2. NAME OF OPERATOR

J.C. WILLIAMSON

3. ADDRESS OF OPERATOR

P.O. BOX 16 MIDLAND, TEXAS 79702

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

990' FNL & ~~2310'~~ FWL

At proposed prod. zone

990' FNL & ~~2310'~~ FWL

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

12-1/2 miles S.E. of Malaga, New Mexico

15. DISTANCE FROM PROPOSED*
LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

990'

16. NO. OF ACRES IN LEASE
280

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.

990'

19. PROPOSED DEPTH
6250'

20. ROTARY OR CABLE TOOLS

Rotary

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

2894.3 2893.6 GR

22. APPROX. DATE WORK WILL START*

May 15, 1985

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#	350'	400 sx circulate
11"	8-5/8"	24# & 32#	2800'	150 sx tie back to base of salt
7-7/8"	5-1/2"	15.5#	6250'	1100 sx in 2 stages

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

TITLE

Agent

DATE

4/1/85

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS

*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

WELL LOCATION AND ACREAGE DEDICATION PLAT

Supersedes C-128
Effective 10/1/85

All distances must be from the outer boundaries of the Section

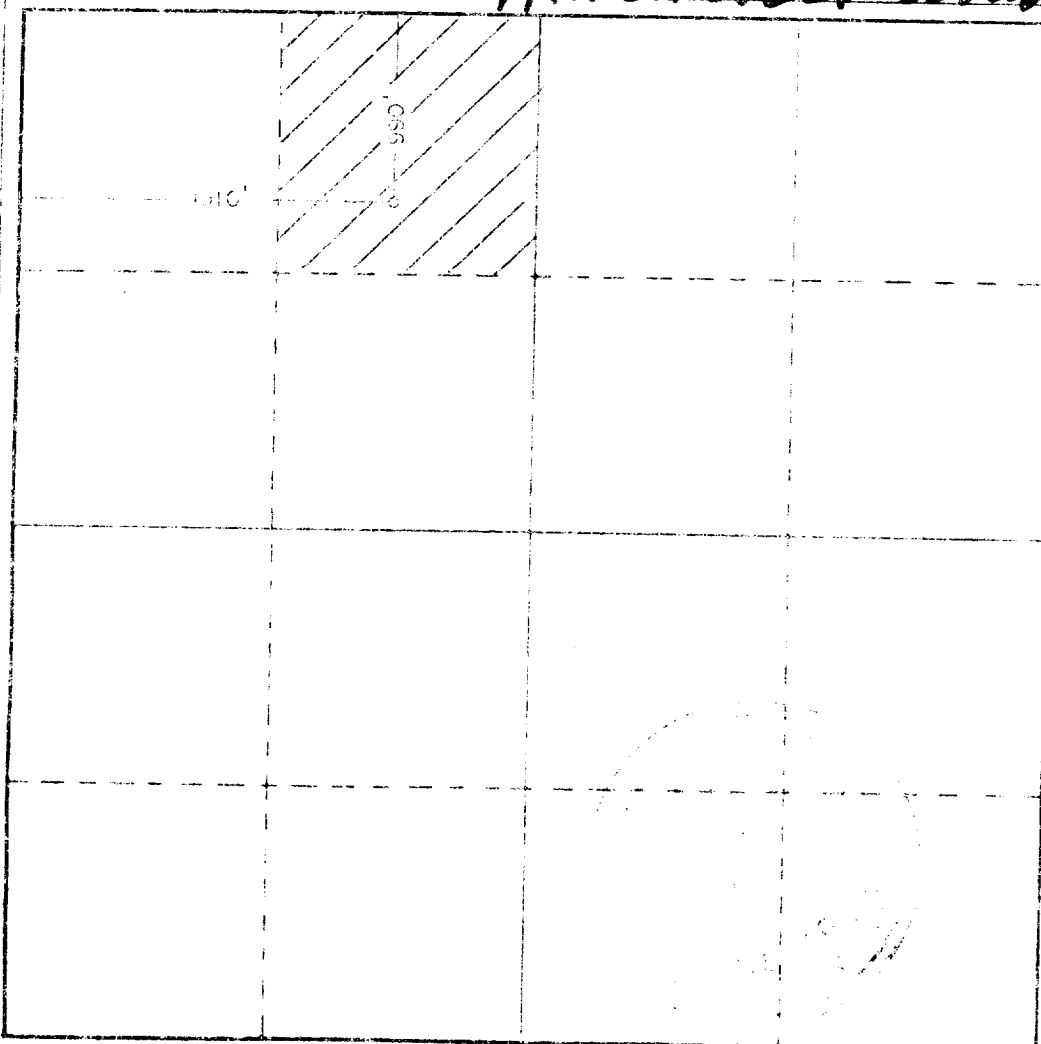
Owner J. C. WILLIAMSON		Lease HOLLY "A" FED.		Well No. 5
Well Letter C	Section 26	Township 26S	Range 10E	County FIVE
A. True North location of Well:				
99.3	feet from the NORTH line and	1910	feet from the WEST line	
Amount of Well Face 1800 L.S.	Producing Formation DELAWARE	Foot BRUSHY DRAW DELAWARE	Estimated Storage 40 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)
N/A
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) N/A

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, force-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.

Amended - was 2310' FWL



CERTIFICATION

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

Jan Pfister

Name
Jan Pfister

Position
Agent

Signature
J.C. Williamson

Date
June 6, 1985

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
6/6/85
Registered Professional Engineer and Land Surveyor

John H. West
Certificate No. JOHN H. WEST, 070

**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

Owner J. C. WILLIAMSON		Lease EDDY FED. "A"		Acres 5	
Well Letter C	Section 26	Township 26S	Range 29E	County EDDY	
Actual Portage Location of Wells: 990 feet from the NORTH line and 2310 feet from the WEST line					
Ground Level Elev. 2894.3	Producing Formation DELAWARE	Pool BRUSHY DRAW DELAWARE		Dedicated Acreage 40	

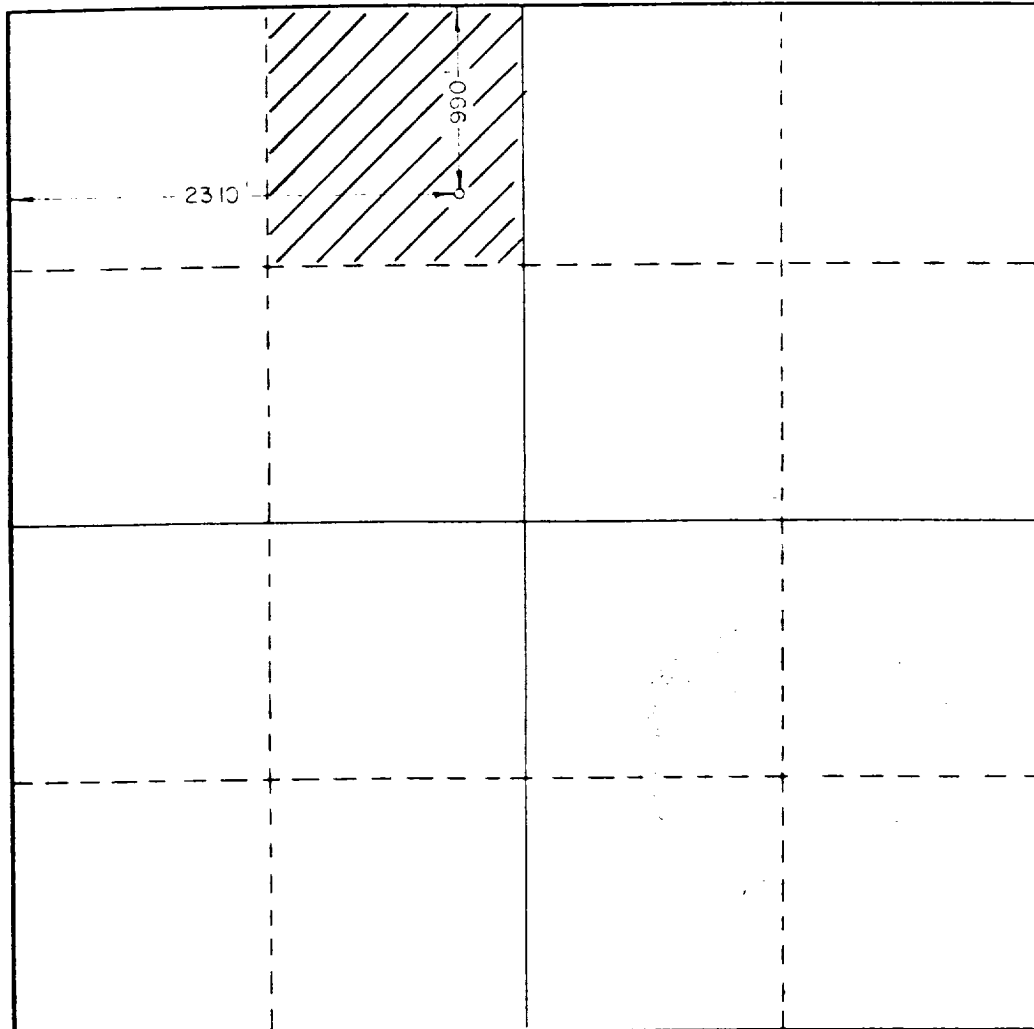
1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

N/A
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.) **N/A**

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 *Jan Pfister*

JAN PFISTER

Position

AGENT

Company

J.C. WILLIAMSON

Date

APRIL 1, 1985

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

4/4/85

Registered Professional Engineer and/or Land Surveyor

John W. West

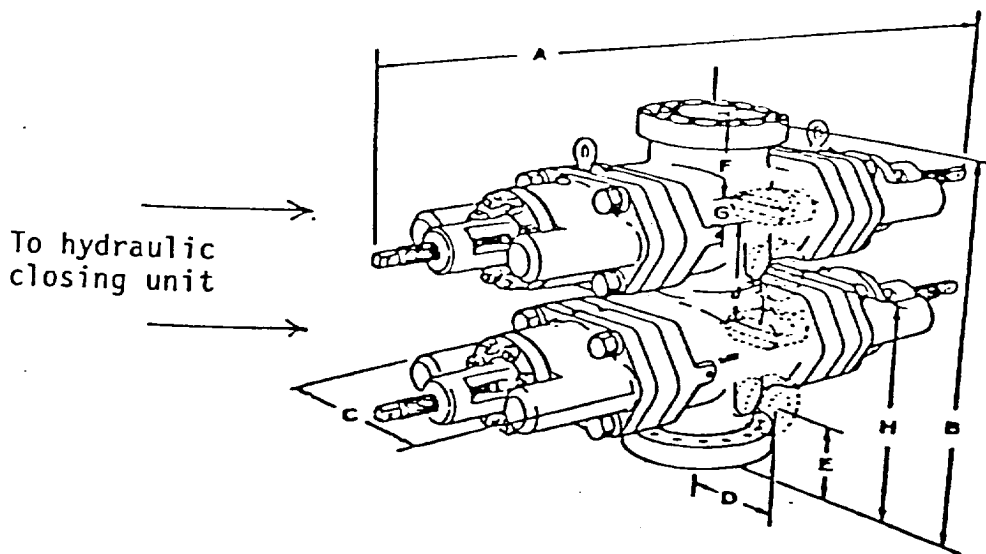
Certificate No. **JOHN W. WEST, 676**

RONALD J. EIDSON, 3239

EXHIBIT "E"

BOP Diagram

After 8-5/8" intermediate casing has been set and cemented, an 11" double ram BOP, as shown below will be put on the hole. This blowout preventer will be connected to a hydraulically controlled closing unit. The pressure rating on this BOP is 3000#, and will have blank and 4-1/2" drill pipe rams.



J.C. WILLIAMSON
HOLLY "A" FEDERAL #5

SUPPLEMENTAL DRILLING DATA

J. C. WILLIAMSON
HOLLY FEDERAL "A" #5

1. SURFACE FORMATION: Quaternary Alluvium

2. ESTIMATED TOPS OF GEOLOGIC MARKERS:

Rustler Anhydrite	250'
Lamar Shale	3000'
Ramsey Sand	3025'
Olds Sand	3025'
Top Cherry Canyon	4150'
Top Brushy Canyon	5100'

3. ANTICIPATED POSSIBLE WATER AND HYDROCARBON BEARING ZONES:

Fresh Water	above 100'
Delaware (oil)	3025'
Brushy Canyon (oil)	5100' - 5150' - 5600' - 5650'
Lower Brushy Canyon (oil)	6150' - 6200'

4. PROPOSED CASING AND CEMENTING PROGRAM:

Casing program is shown on Form 9-331 C.

Hole for surface casing will be drilled to a depth below fresh water zones. 13-3/8" surface casing will be run to 350 feet, below all fresh water zones, and well into the Rustler anhydrite, (as established by cable tool drill samples obtained by operator in this area from his own wells), and will be cemented to the surface with 400 sacks of Class "C" cement w/1/2# floreal and 2% CaCl₂/sx. Operator will be glad to make a presentation to this effect on request. The pipe will be run open ended with the bottom joint belled out and notched with no centralizers and no plug used to displace the cement. 30-60' of cement will be left inside the pipe and at this depth there is virtually no uncertainty about the depth to which the cement has been displaced.

8-5/8" casing will be run and cemented at 2800 feet, prior to entering delaware section and will be cemented with 150 sacks of Class "C" cement at 2800 feet, tying same back into salt section.

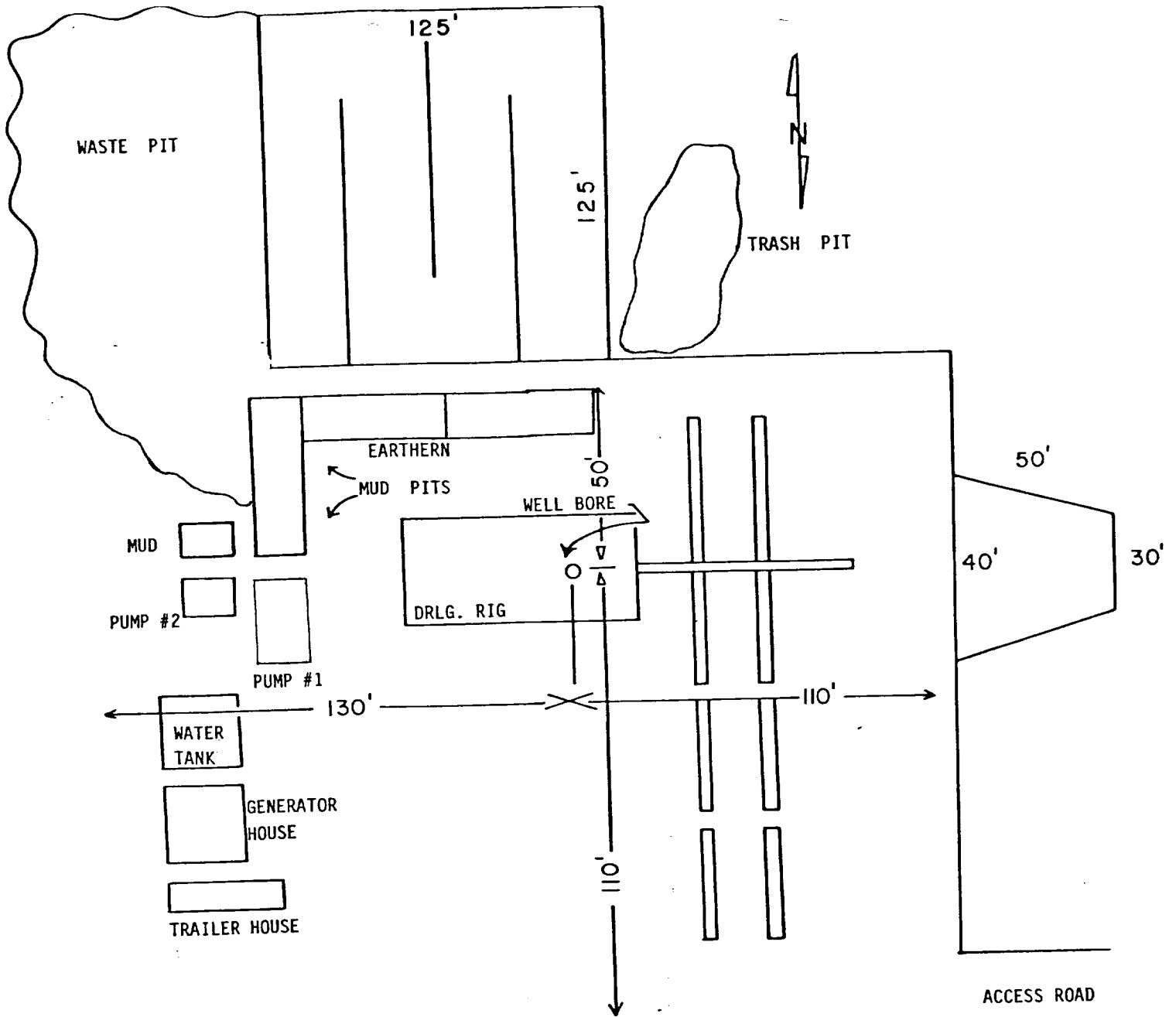
5-1/2" casing will be run to total depth and will be cemented at a total depth if significant shows are encountered in the Brushy Canyon formation, with 1100 sacks Class "C" cement 50-50 poz in stages with DV tool set at 4600 feet plus or minus.

5. PRESSURE CONTROL EQUIPMENT:

Pressure control equipment will consist of at least a 3000# double ram hydraulically controlled blow out preventer and a 3000# choke manifold. This pressure control equipment will be placed on the hole after the 8-5/8" casing has been set and cemented.

6. CIRCULATING MEDIUM:

The circulating medium will be fresh water down to 350 feet and cut brine water in the rest of the hole, which will saturate itself as the intermediate hole is drilled.



Scale: 1" = 50'

EXHIBIT "D"

J.C. Williamson
HOLLY FEDERAL "A" #5

DRILLING RIG LAYOUT