

APR 04 1984

SUBMIT IN DUPLICATE
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1425.

30-015-24832
C/87

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
ARTESIA, OFFICE

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
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
467' FNL & 1650' FEL
At proposed prod. zone
467' FNL & 1650' FEL

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
14 miles SE of Malaga, New Mexico

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)
467'

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
467'

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
2896.2'

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
10 1/2"	10-3/4"		350'	375 sx circulate
10"	8-5/8"	24#	1200'	set not cemented, to be pulled
8"	5-1/2"	14.40#	3200'	150 sx

5. LEASE DESIGNATION AND SERIAL NO.
NM 20367
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
7. UNIT AGREEMENT NAME
8. FARM OR LEASE NAME
MWD Federal
9. WELL NO.
4
10. FIELD AND POOL, OR WILDCAT
Brushy Draw Delaware
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 35, T-26-S, R-29-E
12. COUNTY OR PARISH
Eddy
13. STATE
New Mexico

16. NO. OF ACRES IN LEASE
110
17. NO. OF ACRES ASSIGNED TO THIS WELL
40
19. PROPOSED DEPTH
3200'
20. ROTARY OR CABLE TOOLS
Rotary Cable
22. APPROX. DATE WORK WILL START*
March 1, 1984

RECEIVED
FEB 9 10 22 AM '84
BUREAU OF LAND MANAGEMENT
ROCKY MOUNTAIN DISTRICT

Post. a p. 9
FD 10/1/84
4 6 84

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 Secretary

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY 'Orig. Sgd.' Earl R. Cunningham TITLE District Manager

CONDITIONS OF APPROVAL, IF ANY: _____

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS
ATTACHED

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form O-172
Supersedes O-128
Effective 10-65

All distances must be from the outer boundaries of the Section

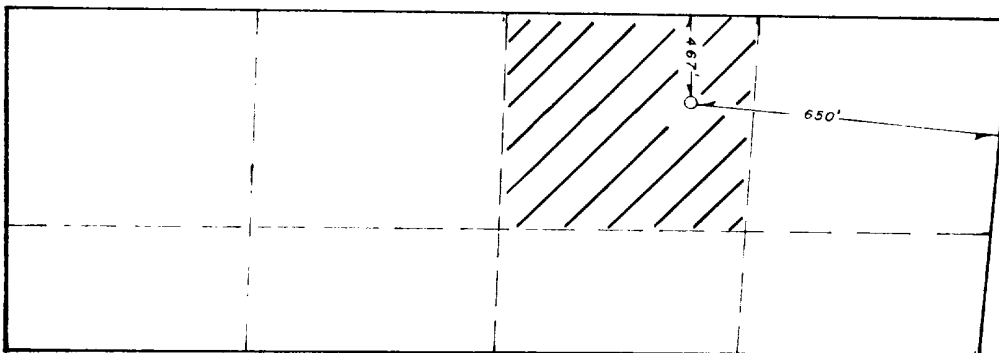
Operator J. C. WILLIAMSON			Lease MWJ FED.			Well No. 4		
Grid Letter B	Section 35	Township 26 SOUTH		Range 29 EAST	County EDDY			
Actual Footage Location of Well: 467 feet from the NORTH line and 1650 feet from the EAST line								
Ground Level Elev. 2896.2		Producing Formation Delaware			Pool BRUSHY DRAW DELAWARE		Estimated Acreage 40	

- Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
- 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**
- 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 **N/A**

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.

Jan Pfister

Jan Pfister

Secretary

J.C. Williamson

2/8/84

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

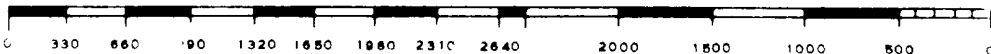
2/2/84

Registered Professional Engineer and/or Land Surveyor

John W. West

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

Ronald J. Eidson 3239



SUPPLEMENTAL DRILLING DATA

J.C. WILLIAMSON
WELL MWJ FEDERAL #4

1. SURFACE FORMATION: Quaternary Alluvium

2. ESTIMATED TOPS OF GEOLOGIC MARKERS:

Rustler Anhydrite	350'
Lamar Shale	3000'
Ramsey Sand	3025'
Olds Sand	3025'

3. ANTICIPATED POSSIBLE WATER AND HYDROCARBON BEARING ZONES:

Fresh Water	above 350'
Delaware (oil)	3025'

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. Surface casing will then be run to bottom and cemented to the surface to protect fresh water zones. 10-3/4" pipe will be run and cemented at 350 feet.

8-5/8" pipe will be run but not cemented at 1200'. This is done to mud off brine-brackish water entry which greatly impairs cable tool drilling.

10-3/4" surface casing will be cemented to the surface with 375 sacks of Class "C" cement.

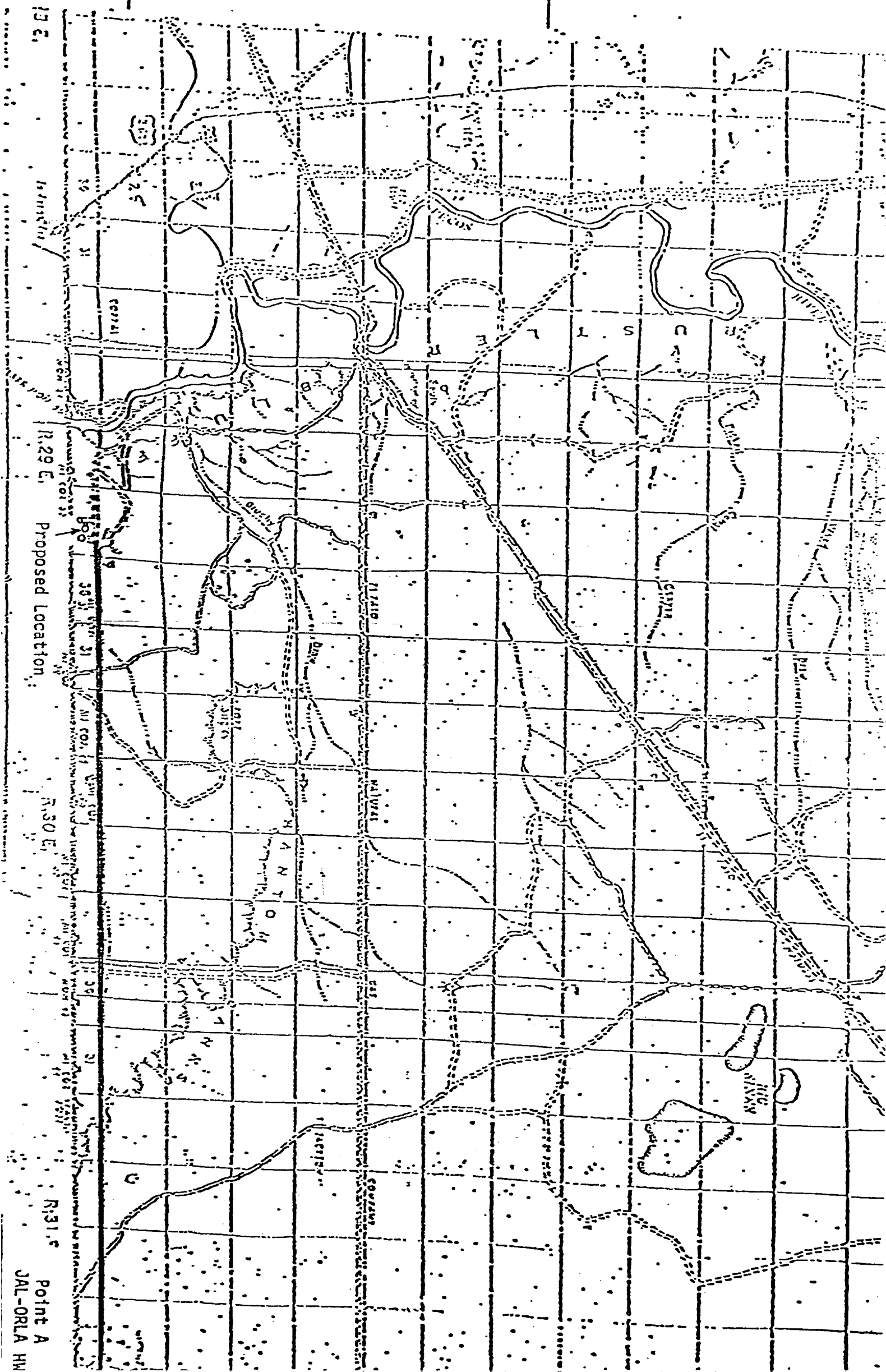
5-1/2" production casing will be cemented at a total depth or shallower if significant shows are encountered in the Bell Canyon formation, with 150 sacks at total depth of 3200' w/C-50/50 poz mix cement.

5. PRESSURE CONTROL EQUIPMENT:

Pressure control equipment will consist of a 8" double ram manually controlled blow-out preventer, which will be put on the hole 100' prior to entering the upper Delaware Bell Canyon section at 2900' I.

6. CIRCULATING MEDIUM:

This is a cable tool hole, the hole will be kept as dry as possible at all times. Fresh water, put on bottom with a wire line bailer will be used to bail cuttings and corings from the hole.



Point A
JAL-ORLA HM

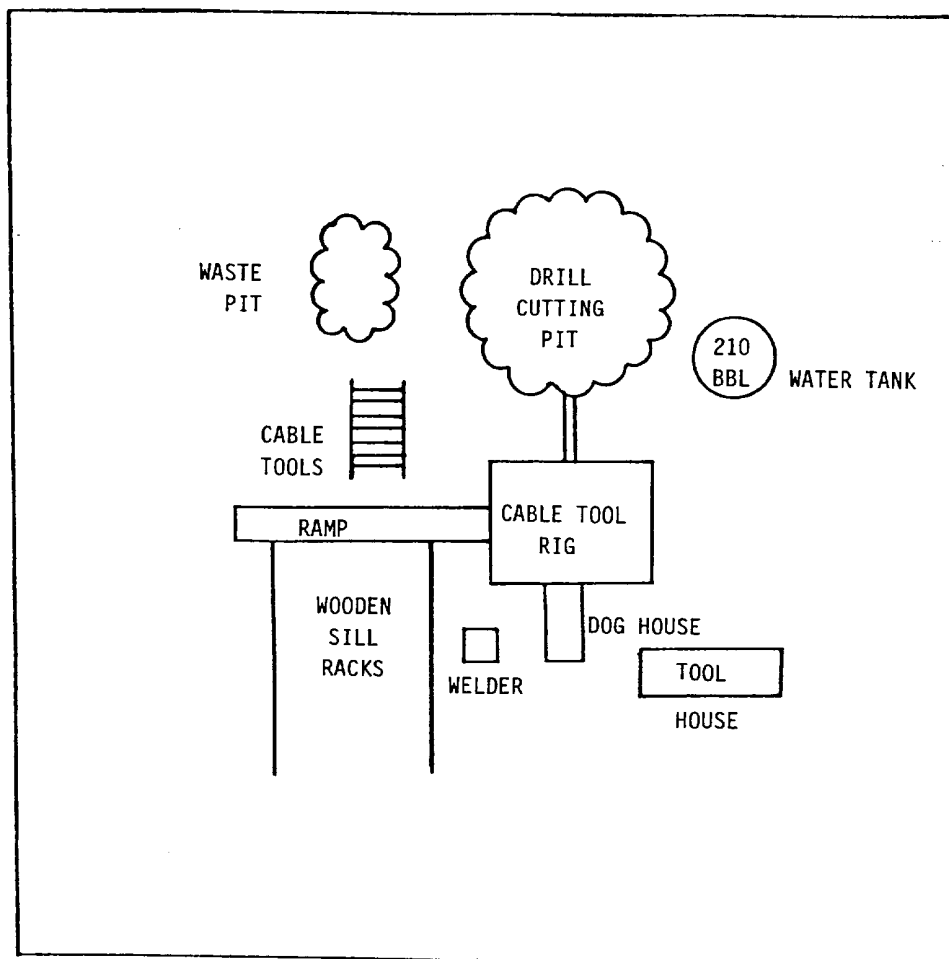
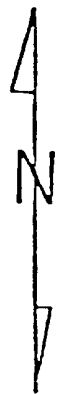


EXHIBIT "D"
J.C. WILLIAMSON
#4 MWJ FEDERAL