

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

W. Bryce Ruggan

RECEIVED

3. ADDRESS OF OPERATOR

1316 West 3rd Roswell, New Mexico

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

At surface

330/5 2310/E sec. 23

At proposed prod. zone

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

Approx. 8 miles NW Carrizozo, New Mexico

15. DISTANCE FROM PROPOSED*

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

16. NO. OF ACRES IN LEASE

880

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH

2500

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

5579

22. DATE WORK WILL START*

60 Days

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	Circulate QUANTITY OF CEMENT
12	8	24	350	
8	7od	23	1600	
7	5 1/2	13	2500	

16" to 2500 to be drilled with reverse unit
appropriate equipment and drilling fluid
will be utilized for well control at
all times.

RECEIVED
MAR 22 1973
U.S. GEOLOGICAL SURVEY
CARRIZO, NEW MEXICO

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

W. Bryce Ruggan

TITLE

Operator

DATE

Mar. 19 / 73

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

DATE

APPROVED
MAR 23 1973
R. L. BECKMAN
ACTING DISTRICT ENGINEER

THIS APPROVAL IS RESCINDED IF OPERATIONS
ARE NOT COMMENCED WITHIN 3 MONTHS.
JUN 23 1973

*See Instructions On Reverse Side

Instructions

General: This form is designed for submitting proposals to perform certain well operations, as indicated, on all types of lands and leases for appropriate action by either a Federal or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

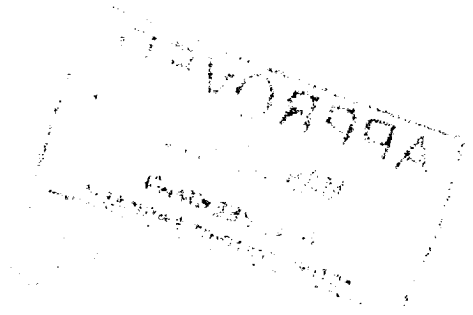
Item 1: If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable State or Federal regulations concerning subsequent work proposals or reports on the well.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 14: Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on this reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal or State agency offices.

Items 15 and 18: If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective production zone.

Item 22: Consult applicable Federal or State regulations, or appropriate officials, concerning approval of the proposal before operations are started.



NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form No. 10
Supplement No. 1
Effective Date 1-1-68

All distances must be from the outer boundaries of the Section.

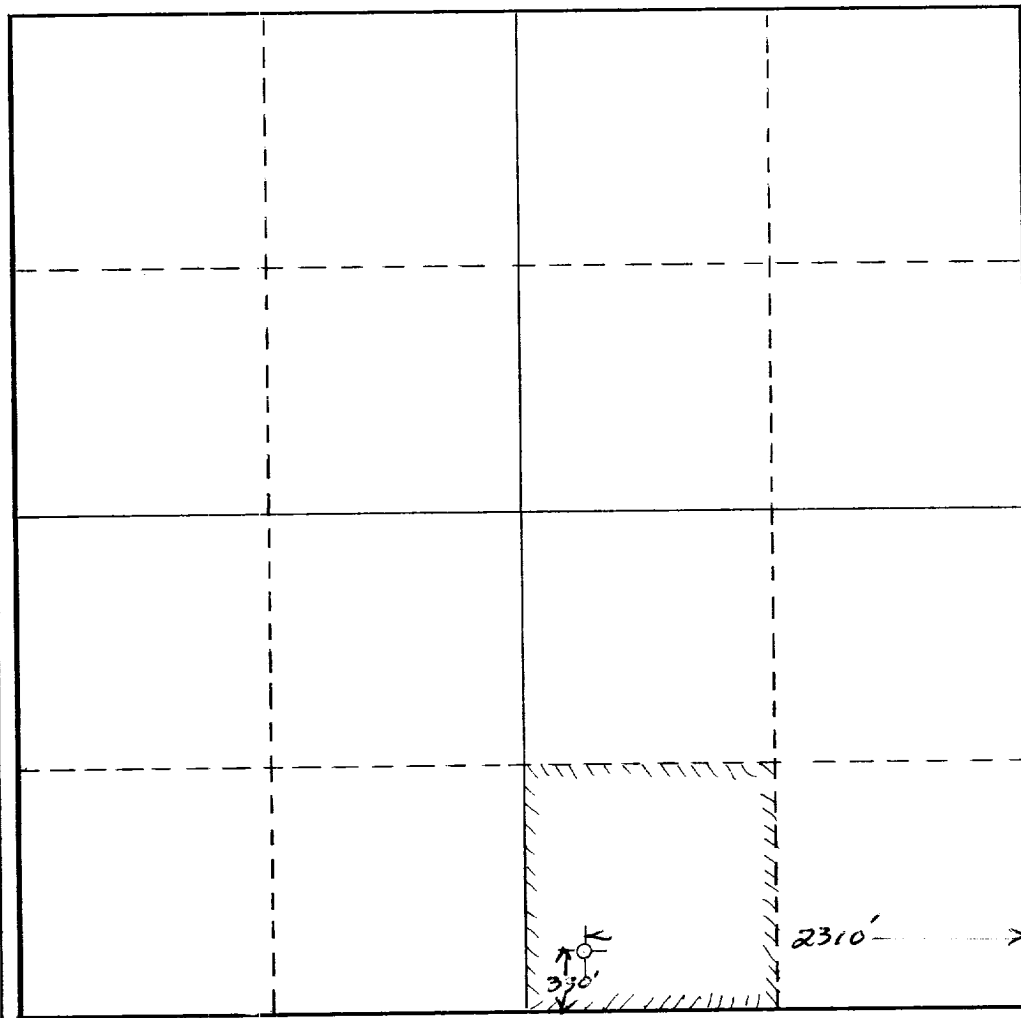
Operator W. Bryce Dugger		Lease HELEN Federal		Well No. 1
Unit Letter D	Section 23	Township 6 South	Range 10 East	County Lincoln
Actual Footage Location of Well: 330 feet from the South line and 2310 feet from the East line				
Ground Level Elev. 5579	Producing Formation G. F. 1	Pool W.C.	Dedicated Acreage: 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).
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.

W. Bryce Dugger

Name

Position *Operator*

Company

Date **3-19-73**

RECEIVED
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.

Raymond L. Senn

Date Surveyed

Feb. 17, 1973

Registered Professional Engineer and/or Land Surveyor

Raymond L. Senn

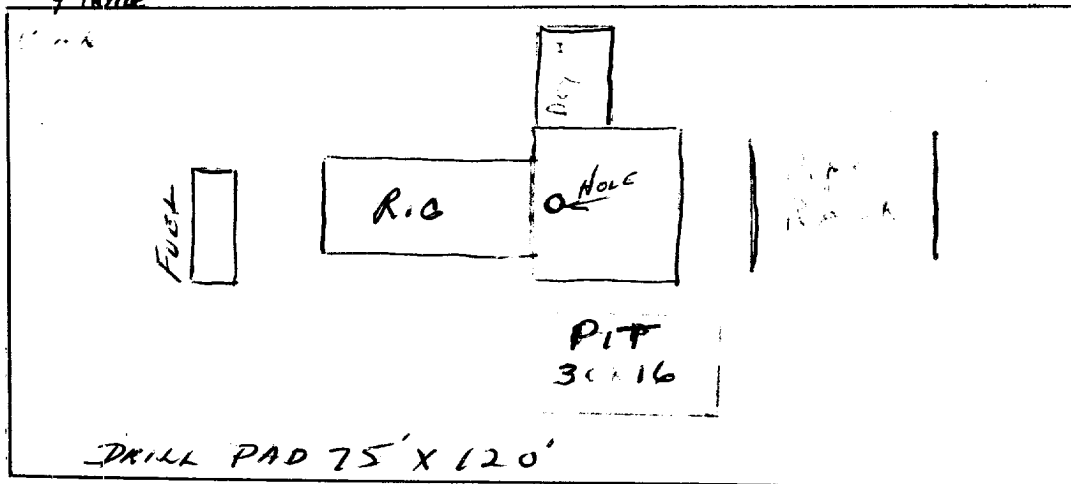
Certificate No.

New Mexico No. 1755

0 330 660 990 1320 1650 1980 2310 2640 2000 1500 1000 500 0

1 Existing ranch roads sufficient
 2 No new roads planned
 3 Location well site 660 ft ~~660~~ ft from the west line
 and south line SW SE

4 To conform with standard procedure
 5 Water to be hauled from Carrizozo
 6 Propose to drill waste disposal well
 7 North side proposed well site
 8 None



Present Ranch Road here-----

If no production is possible, this area shall be restored
 reseeded with vine mesquite grass

RECEIVED

MAR 22 1973

U. S. GEOLOGICAL SURVEY
 ARTESIA, NEW MEXICO

NEW MEXICO STATE HIGHWAY DEPARTMENT

PLANNING DIVISION

BUREAU OF PUBLIC ROADS

R 9E

R 10E

R 11E

R 12E

T 4S

T 5S

T 6S

T 8S

