

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

DUGAN PRODUCTION CORP.

3. ADDRESS OF OPERATOR

P O Box 208, Farmington, NM 87401

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

At surface

790' FNL - 1850' FWL

At proposed prod. zone

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

12 miles West of Cuba, NM

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

(Also to nearest drlg. unit line, if any)

790'

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT. $\frac{1}{2}$ mile to N

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

7142' GL; GL = RKB

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
6-1/4"	5 1/2"	14#	90'	35 sx to surface
4-3/4"	2-7/8"	6.5#	2100'	164 cu.ft. to surface

Plan to drill with spud mud to 90' to set surface casing. Will then drill with as little mud and gel as possible using the slim hole technique to test the Pictured Cliffs Formation. Will run IES log and, if the well appears productive, will run 2-7/8" casing, selectively perforate, frac, and clean out after frac and complete well using 1 1/2" tubing.

GAS NOT DEDICATED

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

Thomas A. Dugan

TITLE

Petroleum Engineer

DATE

7-17-82

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

30-C-43-20659
6. LEASE DESIGNATION AND SERIAL NO.

NM 16046

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Sis

WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Undesignated P.C.

11. SEC., T., R., M., OR BLK.
AND SURVEY OR AREA

Sec. 21 T21N R4W

12. COUNTY OR PARISH 13. STATE

Sandoval

NM

16. NO. OF ACRES IN LEASE

±2560

17. NO. OF ACRES ASSIGNED
TO THIS WELL

160

19. PROPOSED DEPTH

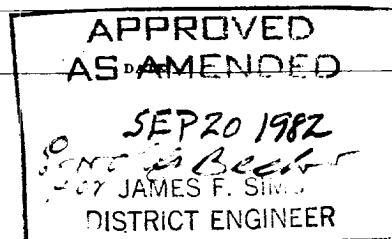
2100'

20. ROTARY OR CABLE TOOLS

Rotary

22. APPROX. DATE WORK WILL START*

ASAP



OIL CONSERVATION DIVISION

P. O. BOX 2088

Form C-102
Revised 10-1-78STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

SANTA FE, NEW MEXICO 87501

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

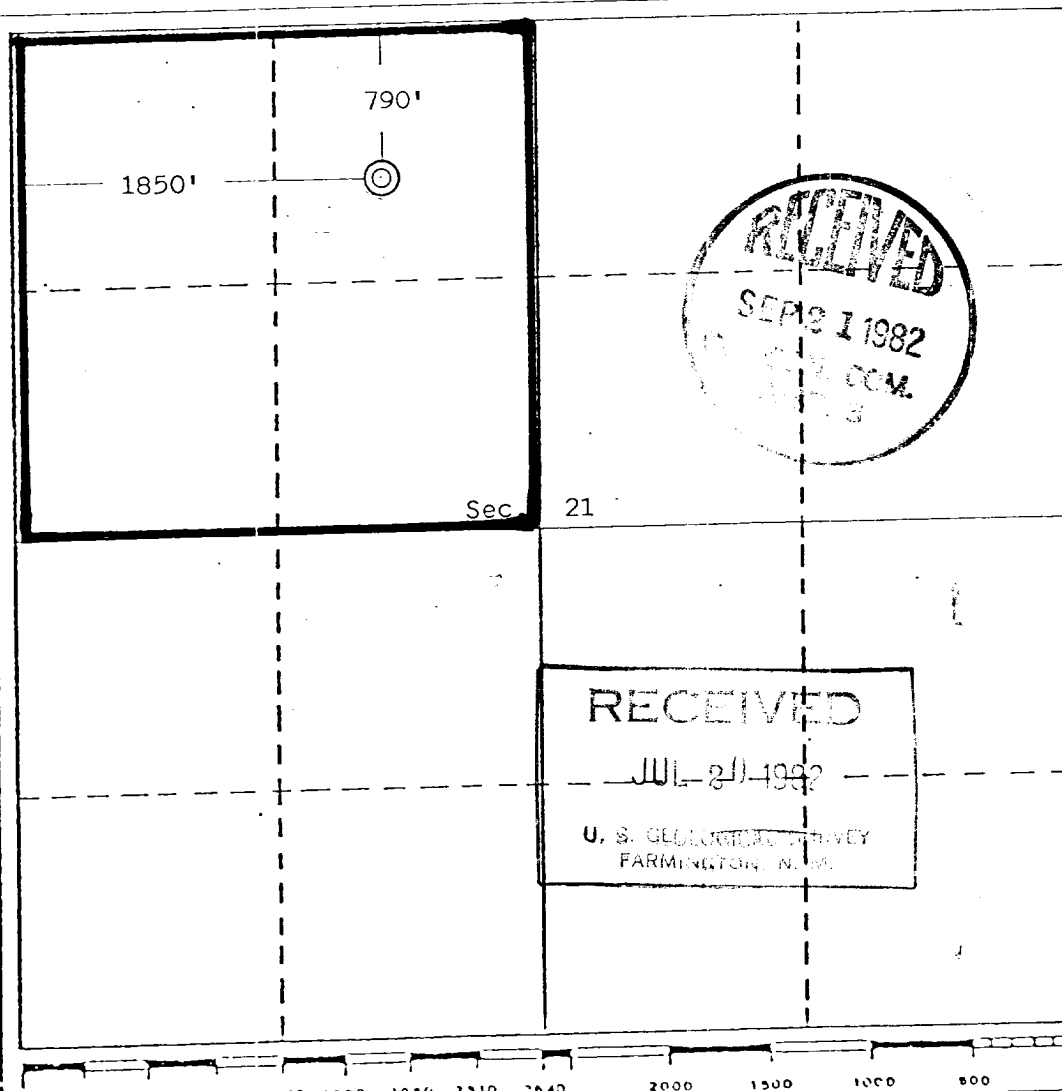
Operator Dugan Production Corporation			Lease Sis		Well No. 1
Unit Letter C	Section 21	Township 21 North	Range 4 West	County Sandoval	
Actual Footage Location of Well: 790 feet from the North line and 1850 feet from the West line					
Ground Level Elev. 7142	Producing Formation Pictured Cliffs	Pool Undesignated P.C.	Dedicated Acreage: 160 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 Division.



CERTIFICATION

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

Name

Thomas A. Dugan

Position

President

Company

Dugan Production Corp.

Date

7-17-82

I have examined the location shown on this plat and find it to be correct and complete to the best of my knowledge and belief.

EDGAR L. RISENHOVER
REGISTERED LAND SURVEYOR
NEW MEXICO
3979

Date Surveyed

June 25, 1982

Registered Professional Engineer
and/or Land Surveyor

Edgar L. Risenhoover
Certificate No. 5979

Edgar L. Risenhoover, L.S.

