

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 State requirements.)
 At surface
 790' FSL - 1120' FEL
 At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 10 miles NE of Counselor, NM

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.
 (Also to nearest drlg. unit l'ne, if any) 790'

16. NO. OF ACRES IN LEASE 160

17. NO. OF ACRES ASSIGNED TO THIS WELL 160

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 700' to West

19. PROPOSED DEPTH 2500'

20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 6681' GL

22. APPROX. DATE WORK WILL START*
 6-1-82

5. LEASE DESIGNATION AND SERIAL NO.

Tribal Lease #12

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Jicarilla Apache

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Harris

9. WELL NO.

5R

10. FIELD AND POOL, OR WILDCAT

Ballard P.C.

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

Sec 21 T24N R5W

12. COUNTY OR PARISH

Rio Arriba

13. STATE

NM

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
8-3/4"	7"	23#	90'	35 sx to surface
5-1/8"	2-7/8"	6.5#	2500'	250 cu.ft. slurry to surface

Plan to drill with spud mud to approx. 100' to set surface csg. Will then drill with as little mud as possible, using the slim hole technique to test the Pictured Cliffs formation to a total depth of 2500'. Will then run an IES log and, if productive, will run 2-7/8" tbg. and cement to surface. Will selectively perforate, frac, clean out after frac & complete well.

GASS 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

Jerry McHugh

TITLE Well Site Coordinator

DATE 5-4-82

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

APPROVED
AS AMENDED

MAY 10 1982

For JAMES F. ...
DISTRICT ENGINEER

NMDC

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENTP. O. BOX 2088
SANTA FE, NEW MEXICO 87501Form C-102
Revised 10-1-78

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

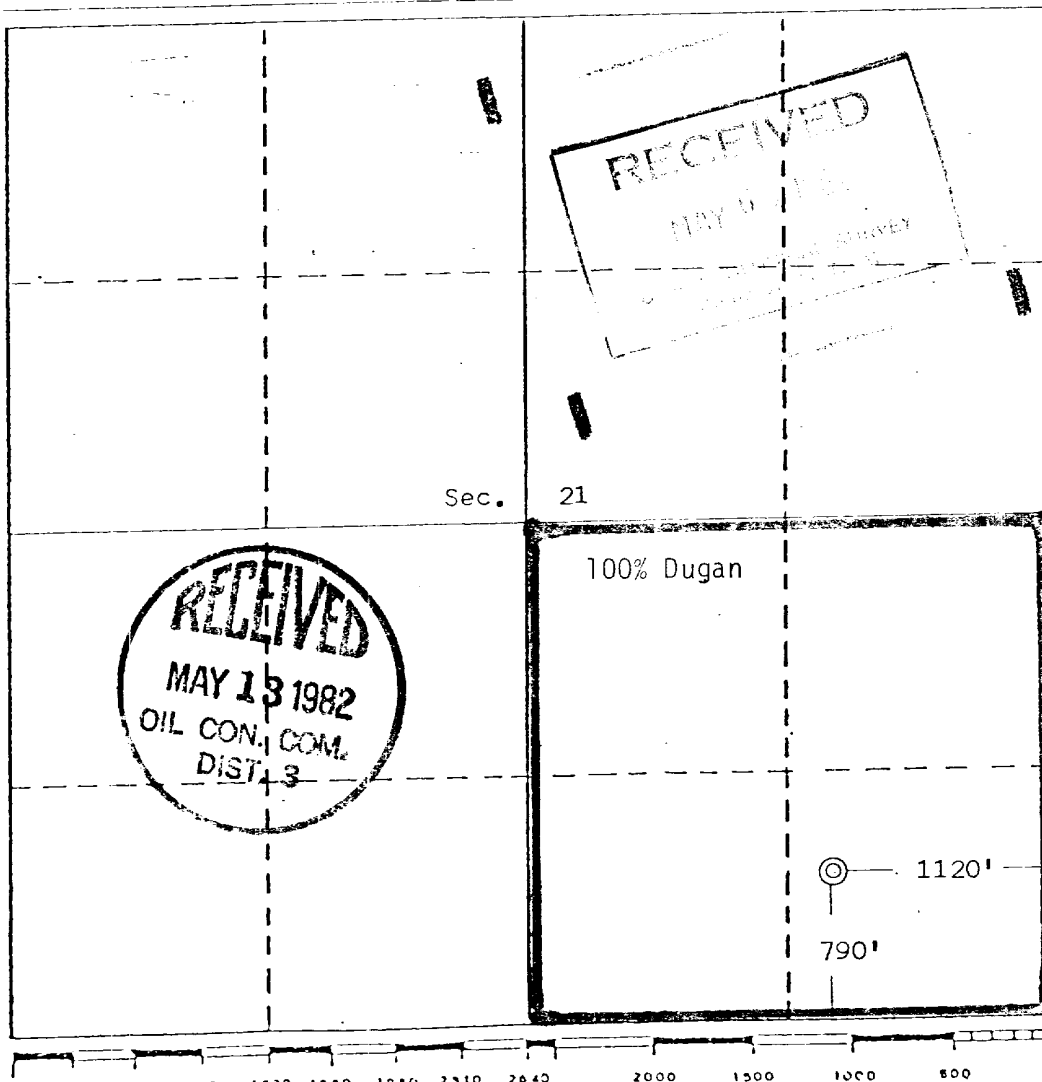
Operator Dugan Production Corporation		Lease Harris		Well No. 5R
Unit Letter P	Section 21	Township 24 North	Range 5 West	County Rio Arriba
Actual Footage Location of Well:				
790	feet from the South	line end	1120	feet from the East
Ground Level Elev. 6681	Producing Formation Pictured Cliffs	Pool Ballard 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.

Jerry McHugh
Name
Jerry McHugh

Position
Well Site Coordinator

Company
DUGAN PRODUCTION CORP.

Date
5-4-82

EDGAR L. RISENHOVER
NEW MEXICO
5979
I hereby certify that the well location shown on this plat is from field notes of actual surveys made by me or under my supervision, and that the same are true and correct to the best of my knowledge and belief.

Date Surveyed
April 2, 1982

Registered Professional Engineer
and/or Land Surveyor

Edgar L. Risenhoover
Certificate No. 5979
Edgar L. Risenhoover, L.S.

