

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. NM 13049
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
2. NAME OF OPERATOR Dugan Production Corp.		7. UNIT AGREEMENT NAME
3. ADDRESS OF OPERATOR P O Box 208, Farmington, NM 87401		8. FARM OR LEASE NAME Christmas Season
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*) At surface 790' FSL - 1610' FEL Unit Letter "0" At proposed prod. zone		9. WELL NO. #1
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 6 miles SW of Nageezi Trading Post, NM		10. FIELD AND POOL, OR WILDCAT Chacra
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drilg. unit line, if any) 790'	16. NO. OF ACRES IN LEASE 1920	11. SEC. T., R., M., OR BLK. AND SURVEY OR AREA Sec 18 T23N R9W
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. approx. 2 mi.	19. PROPOSED DEPTH 1400'	12. COUNTY OR PARCEL NO. 13. STATE San Juan NM
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 6660 GR		17. NO. OF ACRES ASSIGNED TO THIS WELL 160
23. PROPOSED CASING AND CEMENTING PROGRAM		20. ROTARY OR CABLE TOOLS Rotary
22. APPROX. DATE WORK WILL START* ASAP		

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
9 1/2"	7"	26#	85'	21 sx
4-3/4"	2-7/8"	6.5#	1450'	75 sx 65-35 poz w/ 12% gel + 1/4# Floseal; 50 sx class B w/ 1/4# Floseal

Plan to drill w/ mud using slim hole technique to test P.C. and Upper Chacra formations.

If productive, plan to set 2-7/8" csg. thru formation, selectively perf, frac clean out and run tbq.

Plan to use Regan BOP - install BOP after setting surface pipe and pressure test to 1000 psi after drilling out from under surface pipe. The Regan BOP will control up to 3000 psi.

NMERB Requirement: 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 Jerome P. McHugh Jr. TITLE Landman DATE 12-19-80  
(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

APPROVED BY Bruce Landry TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY: for

\*See Instructions On Reverse Side

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

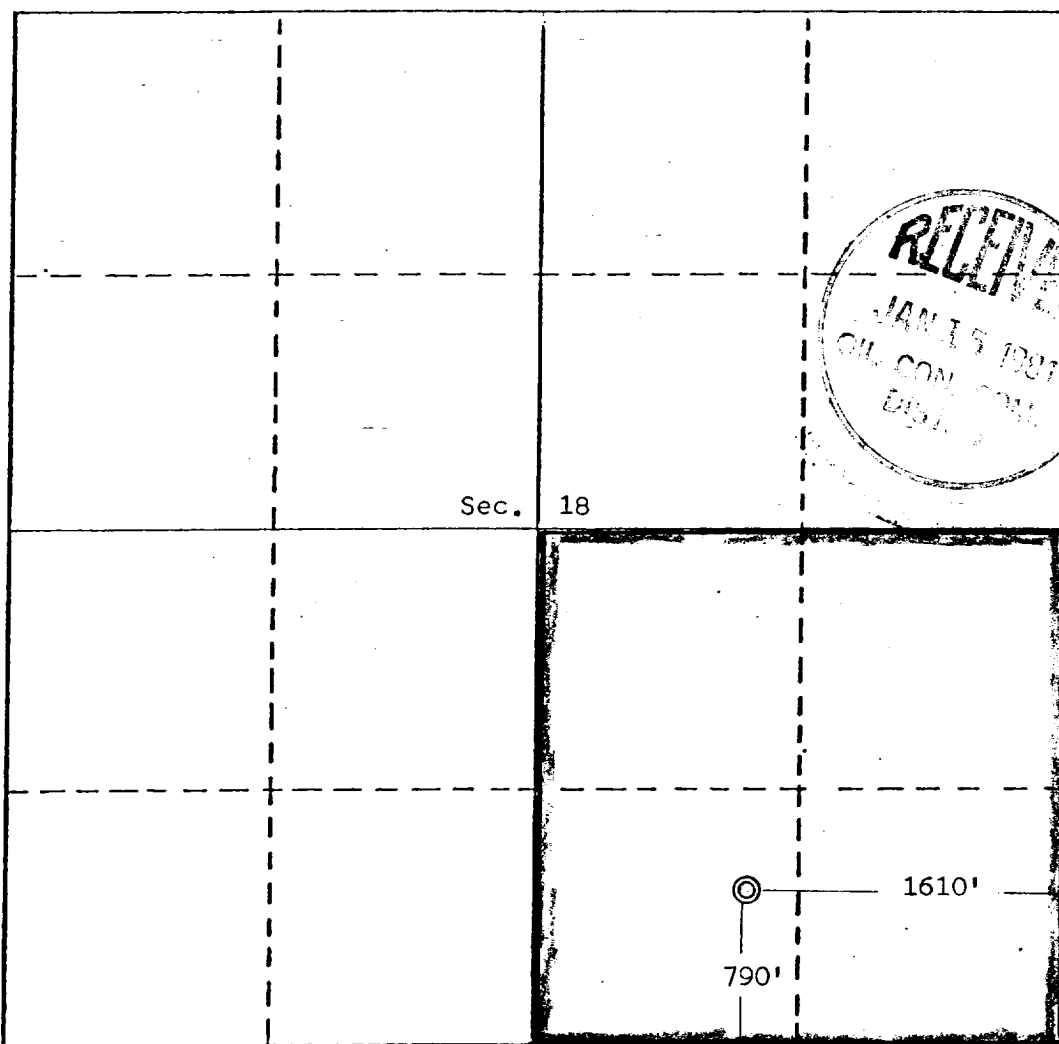
Operator Dugan Production Corporation			Lease Christmas Season		Well No. 1
Unit Letter 0	Section 18	Township 23 North	Range 9 West	County San Juan	
Actual Footage Location of Well: 790 feet from the South line and 1610 feet from the East line					
Ground Level Elev. 5660	Producing Formation Chacra	Pool Chacra		Dedicated Acreage: 160 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hachure 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.

*Jerome P. McHugh Jr.*

Name  
Jerome P. McHugh Jr.

Position  
Landman

Company  
Dugan Production Corp.

Date  
12-19-80

*Edgar L. Risenhoover*  
I hereby certify that the location shown on this plat was located from field notes of actual survey 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  
December 17, 1980

Registered Professional Engineer and/or Land Surveyor

*Edgar L. Risenhoover*

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

