

Form 9-331C
(May 1963)SUBMIT IN TRIPLICATE*
(Other instructions on
reverse side)Form approved.
Budget Bureau No. 42-R1425.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 874014. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
At surface 1110' FSL - 850' FWL

At proposed prod. zone

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

15. DISTANCE FROM PROPOSED*
LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any) 850' FEL18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT. 1400'16. NO. OF ACRES IN LEASE
64019. PROPOSED DEPTH
3540'17. NO. OF ACRES ASSIGNED
TO THIS WELL 16020. ROTARY OR CABLE TOOLS
Rotary21. ELEVATIONS (Show whether DF, RT, GR, etc.)
7515' GL

22. APPROX. DATE WORK WILL START*

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
9-7/8"	7"	26#	150'	60 sx class B neat
6-1/8"	4 1/2"	10.5#	3540'	200 sx cement

Plan to drill w/ mud to test Pictured Cliff Formation. Plan to run IES and CDL logs to T.D. If productive, will set 4 1/2" casing, cement in one stage, selectively perforate, frac, clean out after frac, run 1 1/2" tubing and complete well.

Plan to use BOP furnished by rig while drilling (Hydrolic Bag).

Plan to use rental BOP while completing (6" 3000 psi double gate manual).

GAS 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 Sherman E. Dugan TITLE Landman DATE 9-8-81

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE OCT 6 1981

APPROVED BY [Signature] TITLE Acting District Supervisor DATE _____

CONDITIONS OF APPROVAL, IF ANY:

DRILLING OPERATIONS AUTHORIZED ARE
SUBJECT TO COMPLIANCE WITH ATTACHED
"GENERAL REQUIREMENTS"

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-102
Revised 10-1-78

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

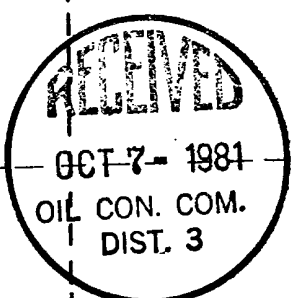
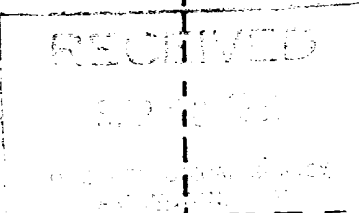
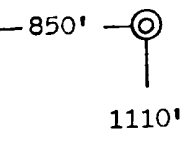
Operator Dugan Production Corporation			Lease Emerald		Well No. #1
Unit Letter M	Section 17	Township 24 North	Range 1 West	County Rio Arriba	
Actual Footage Location of Well: 1110 feet from the South line and 850 feet from the West line					
Ground Level Elev. 7515	Producing Formation Pictured Cliffs	Pool Gavilan P.C. S. Blanco Ext.		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.

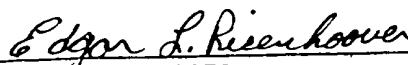
			
Sec. 17			
100% Dugan Production Corp.			
			

CERTIFICATION

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

Name
Sherman E. Dugan
Position
Landman
Company
Dugan Production Corp.
Date
9-8-81

I hereby certify that the location shown on this plat was in the 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
September 3, 1981
Registered Professional Engineer and/or Land Surveyor

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

