

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 16760	
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <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 Box 208, Farmington, NM 87401		8. FARM OR LEASE NAME MF	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 1820' FSL - 790' FWL At proposed prod. zone 690'		9. WELL NO. #1	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 26 miles southeast of Bloomfield, NM		10. FIELD AND POOL, OR WILDCAT Basin Dakota	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any) 790'		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec 18 T24N R9W	
16. NO. OF ACRES IN LEASE 1279.83		12. COUNTY OR PARISH San Juan	
17. NO. OF ACRES ASSIGNED TO THIS WELL 5/319.73		13. STATE NM	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 0'		19. PROPOSED DEPTH 6050'	
20. ROTARY OR CABLE TOOLS Rotary		21. ELEVATIONS (Show whether DF, RT, GR, etc.) 6980' GL	
22. APPROX. DATE WORK WILL START* ASAP			

PROPOSED CASING AND CEMENTING PROGRAM

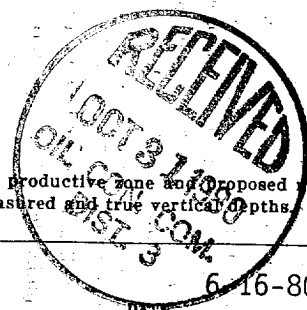
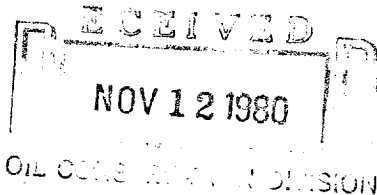
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8"	24#	225'	125 sx circulate
7-7/8"	4-1/2"	10.5#	6050'	925 sx in two stages

Plan to drill with mud to test the Basin Dakota Formation. Plan to run IES log to TD. If productive, plan to set 4-1/2" casing, cement in two stages, selectively perforate, frac, clean out after frac, run 1-1/2" tbg and complete well.

Plan to use BOP furnished by rig while drilling (10" 3000 psi hydraulic)

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

NMERB: 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 6-16-80  
(This space for Federal or State office use)

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

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

\*See Instructions On Reverse Side

## WELL LOCATION AND ACREAGE DEDICATION PLAT

Supersedes L-1242  
Effective 1-1-85

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

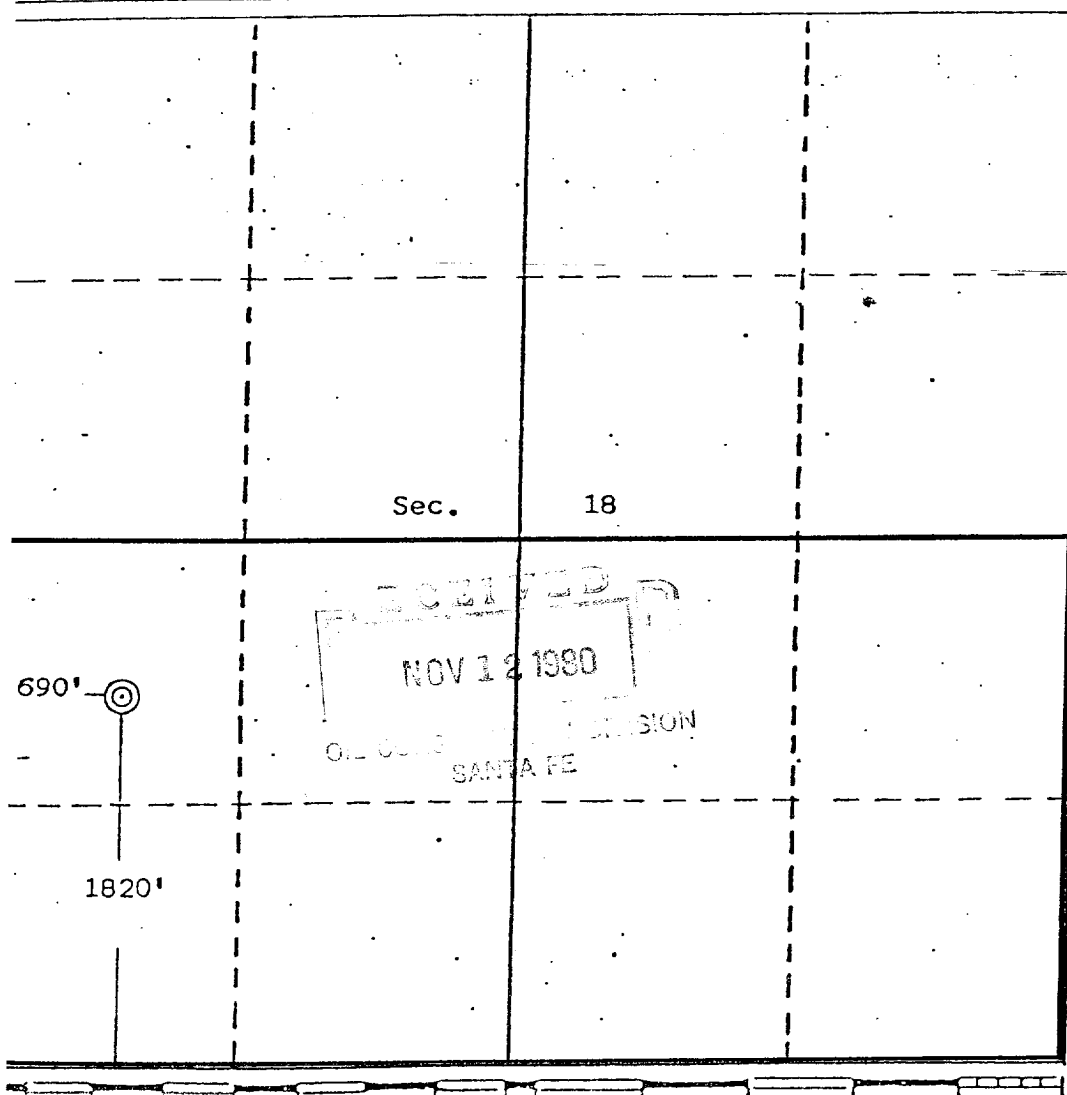
Operator Dugan Production Corporation			Lease MF.		Well No. 1
Section Letter L	Section 18	Township 24 North	Range 9 West	County San Juan	
Well Footage Location of Well: 820 feet from the South line and 690 feet from the West line					
Ground Level Elev. 5978	Producing Formation Dakota	Pool Basin		Dedicated Acreage: 320 3/4 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.

*Sherman E. Dugan*  
Name

Sherman E. Dugan

Position  
Landman

Company  
Dugan Production Corp.

Date  
6-23-80

EDGAR L. RISENHOVER  
REGISTERED LAND SURVEYOR  
I, Edgar L. Risenhover, certify that the location shown on this plat was located from field notes collected 5979 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  
June 14, 1980

Registered Professional Engineer  
and/or Land Surveyor

*Edgar L. Risenhover*  
Certificate No. 5979