

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

6 NMOCD 1 File
OIL CONSERVATION DIVISION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

30-045-26776

Form C-101
Revised 10-1-78

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SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

5A. Indicate Type of Lease
STATE ☒ FEE ☐
5. State Oil & Gas Lease No.
V-1509

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work
b. Type of Well DRILL ☒ DEEPEN ☐ PLUG BACK ☐
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 87499
4. Location of Well UNIT LETTER O LOCATED 660 FEET FROM THE South LINE
AND 1980 FEET FROM THE East LINE OF SEC. 32 TWP. 24N RGE. 10W NMPM
19. Proposed Depth 4815' 19A. Formation Gallup 20. Rotary or C.T. Rotary
21. Elevations (Show whether DF, RT, etc.) 6605' GL; 6617' RKB 21A. Kind & Status Plug. Bond State Wide 21B. Drilling Contractor 4 Corners Drilling 22. Approx. Date Work will start rig availability

23. PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
12-1/4"	8-5/8"	24#	200'	150 cf	surface
7-7/8"	4-1/2"	10.5#	4815'	1325 cf	surface

Plan to drill a 12-1/4" hole and set 200' of 8-5/8" OD, 24#, K-55 surface casing; then plan to drill a 7-7/8" hole to total depth with gel-water-mud program to test the Gallup formation. Plan to run IES and CDL logs. If deemed productive, will run 4 1/2", 10.5#, J-55 casing, selectively perforate, frac, clean out after frac and complete well.

BOP will be used during drilling and completing well.

APPROVAL EXPIRES 9-21-87
UNLESS DRILLING IS COMMENCED.
SPUD NOTICE MUST BE SUBMITTED
WITHIN 10 DAYS.

RECEIVED
MAR 20 1987
OIL CON. DIV.
BCT 2

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. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

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

Signed Sherman E. Dugan Title Geologist Date 3-20-87
(This space for State Use)

Original signed by CHARLES GIBLSON TITLE DEPUTY OIL & GAS INSPECTOR, DIST. #3 DATE MAR 20 1987
APPROVED BY
CONDITIONS OF APPROVAL, IF ANY:

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form C-102
Revised 10-1-78

STATE OF NEW MEXICO

ENERGY AND MINERALS DEPARTMENT

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

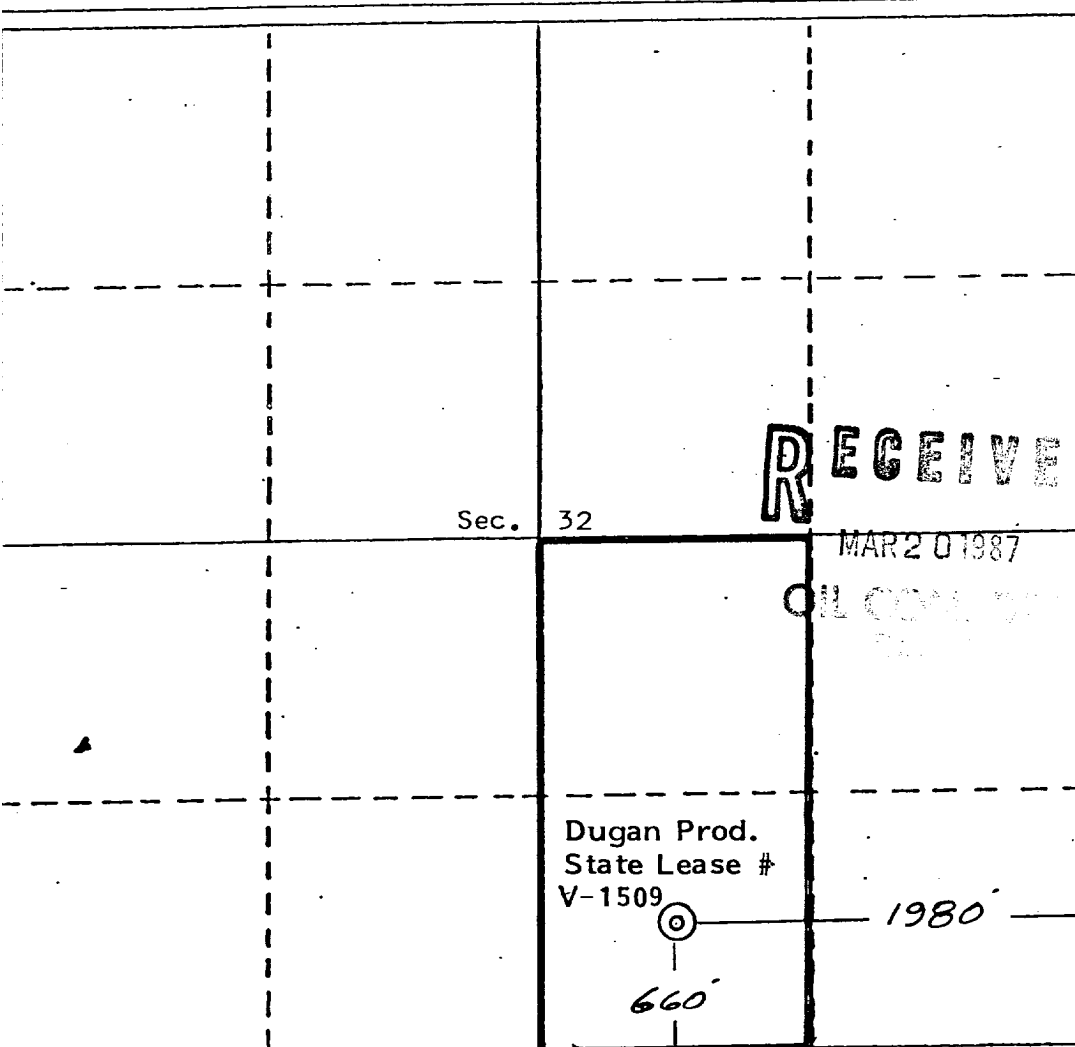
Operator Dugan Production Corporation		Lease Mary Lou		Well No. 4	
Init Letter 0	Section 32	Township 24 North	Range 10 West	County San Juan	
Actual Footage Location of Well:					
660 feet from the South line and		1980 feet from the East line			
Ground Level Elev. 6605	Producing Formation Gallup	Pool South Bisti-Gallup <i>Ext</i>		Dedicated Acreage: 80 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.

Sherman E. Dugan

Name
Sherman E. Dugan

Position
Geologist

Company
Dugan Production Corp.

Date
3-20-87

I have personally surveyed the location shown on this plat and verified it from field notes of actual measurements 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
March 18, 1987

Registered Professional Engineer
and/or Land Surveyor

Edgar L. Risenhoover

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