

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form C-101
Revised 10-1-78

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

5A. Indicate Type of Lease	
STATE <input checked="" type="checkbox"/>	FEE <input type="checkbox"/>
5. State Oil & Gas Lease No.	
V-1509	

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work				7. Unit Agreement Name	
b. Type of Well DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>				8. Farm or Lease Name Mary Lou	
2. Name of Operator DUGAN PRODUCTION CORP.				9. Well No. 5	
3. Address of Operator P.O. Box 208, Farmington, NM 87499				10. Field and Pool, or Wildcat South Bisti Gallup EXT	
4. Location of Well UNIT LETTER <u>K</u> LOCATED <u>1980</u> FEET FROM THE <u>South</u> LINE AND <u>1980</u> FEET FROM THE <u>West</u> LINE OF SEC. <u>32</u> TWP. <u>24N</u> RGE. <u>10W</u> NMPM				12. County San Juan	
19. Proposed Depth 4805'				19A. Formation Gallup	
20. Rotary or C.T. Rotary				21. Elevations (Show whether DF, RT, etc.) 6603' GL; 6615' RKB	
21A. Kind & Status Plug. Bond Statewide		21B. Drilling Contractor 4 Corners Drilling		22. Approx. Date Work will start rig availability	

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#	4805'	1522 cf	surface

Plan to drill a 12-1/4" hole and set 200' of 8-5/8" OD, 24#, J-55 surface casing; then plan to drill a 7-7/8" hole to total depth with gel-water-mud program to test Gallup formation. Plan to run IES and CDL logs. If determined 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 & completing well.

APPROVAL EXPIRES 3-30-88
 UNLESS DRILLING IS COMMENCED.
 SPUD NOTICE MUST BE SUBMITTED
 WITHIN 10 DAYS.

4. ABOVE SPACE DESCRIBE PROPOSED PROGRAM; IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODU-
 IVE ZONE. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

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

Signed Sherran E. Sherran Dugan Title Geologist Date 9-29-87

(This space for State Use)

APPROVED BY Ernie Ruch TITLE DEPUTY OIL & GAS INSPECTOR, DIST. #3 DATE 7-20-87

CONDITIONS OF APPROVAL, IF ANY:

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

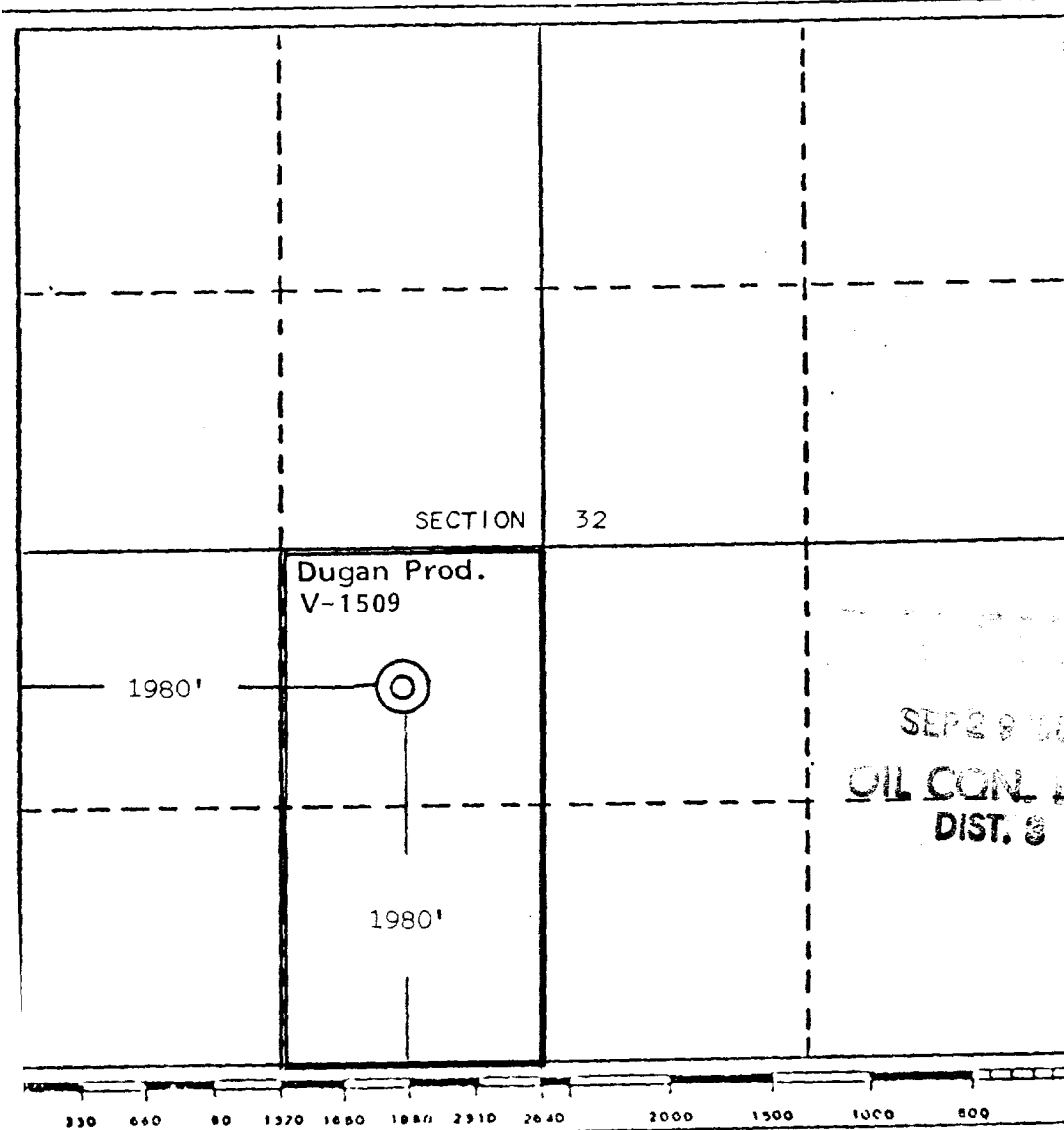
Operator Dugan Production Corporation		Lease Mary Lou		Well No. 5			
Unit Letter K	Section 32	Township 24 North	Range 10 West	County San Juan			
Actual Postage Location of Well:							
1980	feet from the	South	line and	1980	feet from the	West	line
Ground Level Elev. 6603	Producing Formation Gallup		Pool South Bisti Gallup EXT		Dedicated Acreage: 80		Acre

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
9-29-87

I hereby certify that the location shown on this plat is 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
September 15, 1987

Registered Professional Engineer
and/or Land Surveyor

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