

STATE OF NEW MEXICO 6 HMOCD 1 File
 PETROLEUM 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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FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

5A. Indicate Type of Lease
 STATE ☒ FEE ☐
 5. State Oil & Gas Lease No.
 1H-1896

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1. Type of Work
 a. 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 M LOCATED 660 FEET FROM THE South LINE
 660 FEET FROM THE West LINE OF SEC. 2 TWP. 23N RGE. 10W NMPM
 5. Elevation (Show whether DE, RT, etc.) 6719' GL
 19. Proposed Depth 4950'
 19A. Formation Gallup
 20. Rotary or C.T. Rotary
 21A. Kind & Status Plug. Bond State-Wide
 21B. Drilling Contractor Four Corners Drilling
 22. Approx. Date Work will start June 15, 1985

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"	32#	200'	150 cf	surface
7-7/8"	4-1/2"	10.5#	4950'	1680 cf	surface

Plan to drill a 12-1/4" hole and set 200' of 8-5/8" OD, 32#, 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.

B.O.P. will be used during drilling and completing well.

APPROVAL EXHIBIT 10-29-85
 UNLESS DRILLING IS COMMENCED.
 SPUD NOTICE MUST BE SUBMITTED
 WITHIN 10 DAYS

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.

Sherman E. Dugan Title Geologist Date 4-26-85
 (This space for State Use)

APPROVED BY [Signature] TITLE SUPERVISOR DISTRICT # 3 DATE APR 29 1985

CONDITIONS OF APPROVAL, IF ANY:

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENTP. O. BOX 2038
SANTA FE, NEW MEXICO 87501Form C-102
Revised 10-1-78

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

Operator Dugan Production Corporation		Lease Wit's End		Well No. 4	
Unit Letter M	Section 2	Township 23 North	Range 10 West	County San Juan	
Actual Footage Location of Well:					
660 feet from the South line and		660 feet from the West line			
Ground Level Elev. 6719	Producing Formation Gallup	Pool Undesignated Gallup		Dedicated Acreage: 40	Acre

- Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- 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	
		<p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</p>	
<p>Dugan Production Corporation State Lease # LH-1896 660</p>		Name Sherman E. Dugan	
		Position Geologist	
		Company Dugan Production Corp.	
		Date 4-26-85	
<p>660</p>		<p>I, EDGAR L. RISENHOOVER, Registered Professional Engineer and/or Land Surveyor, certify that the well location shown on this plat was plotted from 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.</p>	
		<p>Date Surveyed April 19, 1985</p>	
<p>Edgar L. Risenhoover Certificate No. 5979</p>		<p>Edgar L. Risenhoover, L.</p>	