

OIL CONSERVATION DIVISION  
P. O. BOX 2088  
SANTA FE, NEW MEXICO 87501

30-045-26746  
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.
LH-1896

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work		7. Unit Agreement Name	
b. Type of Well OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>		8. Farm or Lease Name Wit's End	
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, Under. Pictured Cliffs	
4. Location of Well UNIT LETTER M LOCATED 790 FEET FROM THE South LINE AND 790 FEET FROM THE West LINE OF SEC. 2 TWP. 23N RGE. 10W NMPM		12. County San Juan	
19. Proposed Depth 1210'		19A. Formation Pictured Cliffs	
20. Rotary or C.T. Rotary		21. Elevations (Show whether DF, RT, etc.) 6722' GL	
21A. Kind & Status Plug. Bond State Wide Bond		21B. Drilling Contractor Morrow Drilling Co.	
22. Approx. Date Work will start Fall 1986			

23.

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
8-3/4"	7"	23#	90'	27 cf	surface
5-1/8"	2-7/8"	6.4#	1210'	260 cf	surface

Plan to drill with as little mud as possible, using the slim-hole technique to test the Pictured Cliffs formation. Plan to run IES log, and if the well appears productive, will set 2-7/8" casing, cemented to surface. Will selectively perforate, possibly frac and clean out after frac.

BOP will be used during drilling and completing well.

APPROVAL EXPIRES 2-25-87  
UNLESS DRILLING IS COMMENCED.  
SPUD NOTICE MUST BE SUBMITTED  
WITHIN 10 DAYS.

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DIST. 3

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM; IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODU-  
TIVE 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 8-20-86

(This space for State Use)

APPROVED BY [Signature] TITLE SUPERVISOR DISTRICT #3 DATE AUG 25 1986

CONDITIONS OF APPROVAL, IF ANY:

## OIL CONSERVATION DIVISION

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENTP. O. BOX 2088  
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 Wits End		Well No. 5	
Unit Letter M	Section 2	Township 23 North	Range 10 West	County San Juan	
Actual Footage Location of Well: 790 feet from the South line and 790 feet from the West line					
Ground Level Elev., 6722	Producing Formation Pictured Cliffs		Pool Undesignated PC		Dedicated Acreage: 160 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.

Dugan Prod. LH-1896	
790	
790	

500 2

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## CERTIFICATION

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

*Jim L. Jacobs*  
Name  
Jim L. Jacobs

Position  
Geologist

Company  
Dugan Production Corp.

Date  
8-20-86

I have surveyed the well location shown on the plat and from field notes and records 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

August 12, 1986

Registered Professional Engineer  
and/or Land Surveyor

*Edgar L. Risenhoover*  
Certificate No. 5979

Edgar L. Risenhoover, L.S.