

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

b. TYPE OF WELL

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 (Report location clearly and in accordance with any State requirements.)\*

At surface

990' FNL - 1850' FWL  
At proposed prod. zone

AUG 07 1985

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

5 miles south of Nageezi, NM

15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drlg. unit line, if any)

990'

16. NO. OF ACRES IN LEASE

640

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

160

18. DISTANCE FROM PROPOSED LOCATION\* approx. 2300'  
TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

Bowers #1

19. PROPOSED DEPTH

2100'

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

6930' GL; 6942' RKB

DRILLING OPERATIONS AUTHORIZED ARE

SUBJECT TO COMPLIANCE WITH ATTACHED  
"GENERAL REQUIREMENTS"

22. APPROX. DATE WORK WILL START\*

ASAP

23.

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	APPROX. QUANTITY OF CEMENT REQUIRED
8-3/4"	7"	23#	90'	41 cf circ. to surface
5-1/8"	2-7/8"	6.5#	2100'	381 cf circ. to 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.

GAS IS DEDICATED.

RECEIVED

AUG 28 1985

OIL CON. DIV.  
DIST. 6

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*  
Sherman E. Dugan

TITLE

Geologist

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

APPROVED  
AS AMENDED

AUG 23 1985

78/L Stan McKee  
M. MILLENBACH  
AREA MANAGER

\*See Instructions On Reverse Side

RECEIVED

## 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.

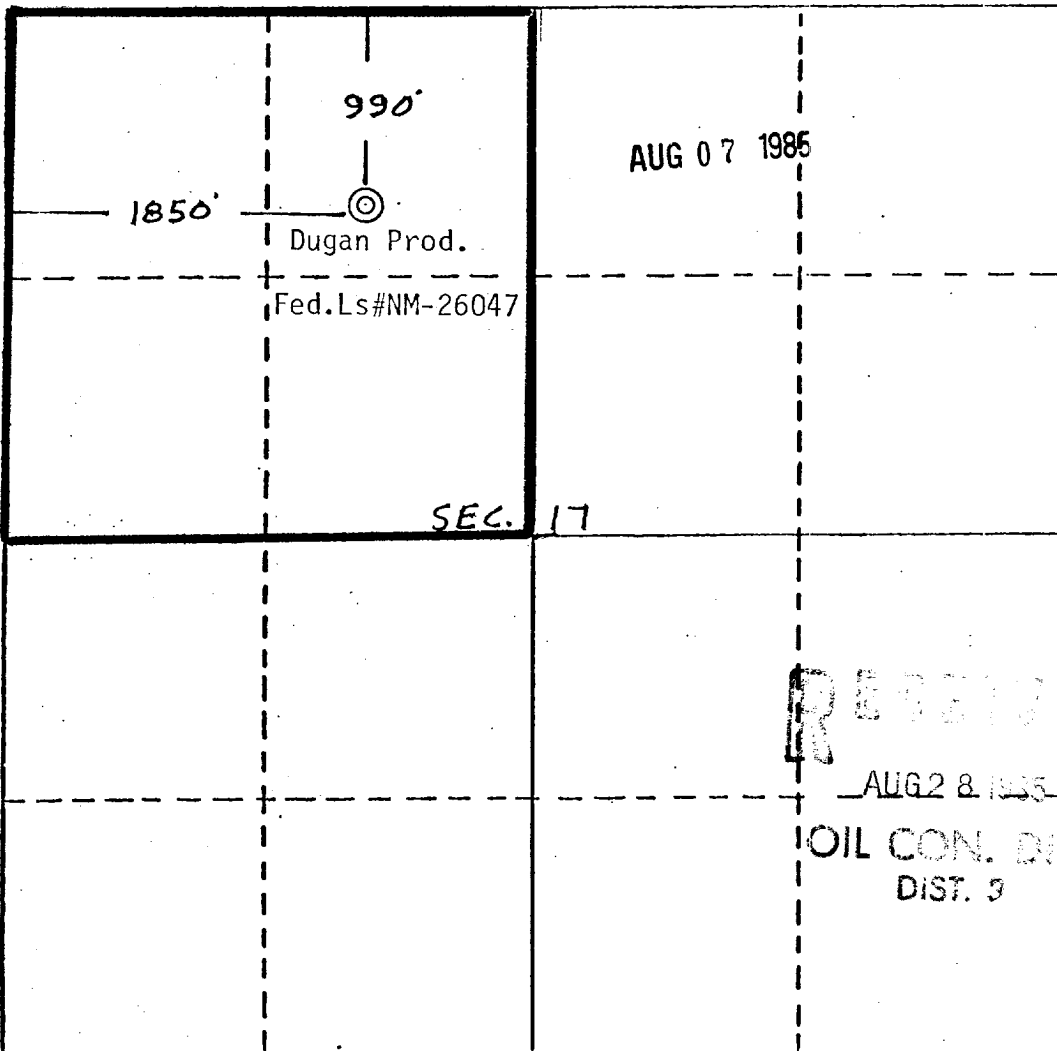
Operator Dugan Production Corporation		Lease Bowers		Well No. 2
Unit Letter C	Section 17	Township 24 North	Range 8 West	County San Juan
Actual Footage Location of Well: 990 feet from the North line and 1850 feet from the West line				
Ground Level Elev. 6930	Producing Formation Pictured Cliffs	Pool Potwin Pictured Cliffs <i>EXT</i>	Dedicated Acreage: 160 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hachure 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.

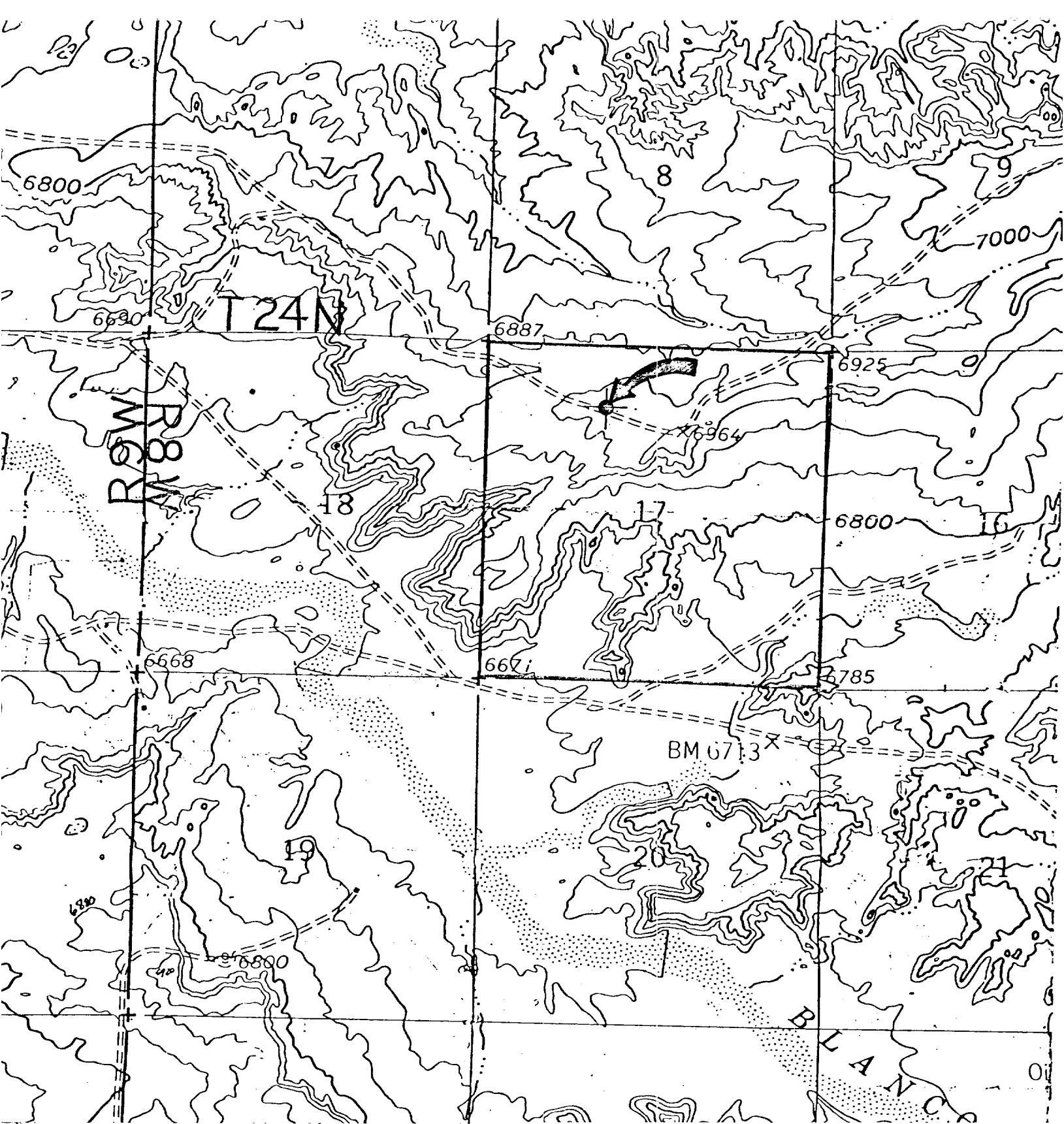
Date  
8-5-85

EDGAR L. RISENHOF  
NEW MEXICO  
5979  
I hereby certify that the well location shown on this plat was obtained from field notes or accepted records made by me or under my supervision and that the same is true and correct to the best of my knowledge.

Date Surveyed  
July 25, 1985

Registered Professional Engineer  
and/or Land Surveyor

*Edgar L. Risenhofer*  
Certificate No. 5979



DUGAN PRODUCTION CORP. - Bowers #2  
 Existing Roads ===== Exhibit E

Distance from nearest town or reference pt.  
 5 miles south of Nageezi, NM

Type of surface dirt

Conditions good

Other \_\_\_\_\_

DUGAN PRODUCTION CORP. - Bowers #2  
 Planned Access Road(s) ----- Exhibit F

Width \_\_\_\_\_ Maximum grades \_\_\_\_\_

Drainage design \_\_\_\_\_

Cuts & Fills \_\_\_\_\_

Surfacing material \_\_\_\_\_

☐ Turnouts

☐ Culverts

☐ Gates

☐ Cattleguards

☐ Fence cuts

NO ACCESS ROAD  
 REQUIRED