

UNITED STATES  
DEPARTMENT OF THE INTERIOR(Other instructions on  
reverse side)

## 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

630' FNL - 550' FEL

At proposed prod. zone

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

7 miles SW of Blanco Trading Post

## 15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

(Also to nearest drig. unit line, if any)

550' FEL

## 16. NO. OF ACRES IN LEASE

160.52

## 17. NO. OF ACRES ASSIGNED

TO THIS WELL  
40

## 18. DISTANCE FROM PROPOSED LOCATION\*

TO NEAREST WELL, DRILLING, COMPLETED,

OR APPLIED FOR, ON THIS LEASE, FT. DPCs Olympic #1

1.13 miles NW of

## 19. PROPOSED DEPTH

4770

## 20. ROTARY OR CABLE TOOLS

Rotary

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

6660' GL; 6672 RKB

DRILLING OPERATIONS AUTHORIZED ARE  
SUBJECT TO COMPLIANCE WITH ATTACHED

"GENERAL REQUIREMENTS".

## 22. APPROX. DATE WORK WILL START\*

ASAP

## 23.

## PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8"	24#	200'	147 cf circulated to surface
7-7/8"	4-1/2"	10.5#	4770	1375 cf circulated to 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 7-7/8" hole to total depth with gel-water-mud program to test 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.

This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4.

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OIL CON. DIV  
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 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

DATE

5-15-85

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

APPROVED  
AS AMENDED

JUN 24 1985

/s/ J. Stan McKee

M. MILLENBACH  
AREA MANAGER

\*See Instructions On Reverse Side

NMOCC

## 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 Marathon		Well No. 1
Unit Letter A	Section 4	Township 23 North	Range 10 West	County San Juan
Actual Footage Location of Well: 630 feet from the North line and 550 feet from the East line				
Ground Level Elev. 4660	Producing Formation Gallup	Pool Undesignated Gallup	Dedicated Acreage: 40 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.

SEC. 4		Dugan Prod. Lease # 630 N00-C-14- 20-7308
		550
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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.

*Sherman E. Dugan*  
Name

Sherman E. Dugan  
Position

Geologist

Company

Dugan Production Corp.

Date

5-15-85

EDGAR L. RISENHOOVER  
REGISTERED LAND SURVEYOR  
I hereby 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 and belief.

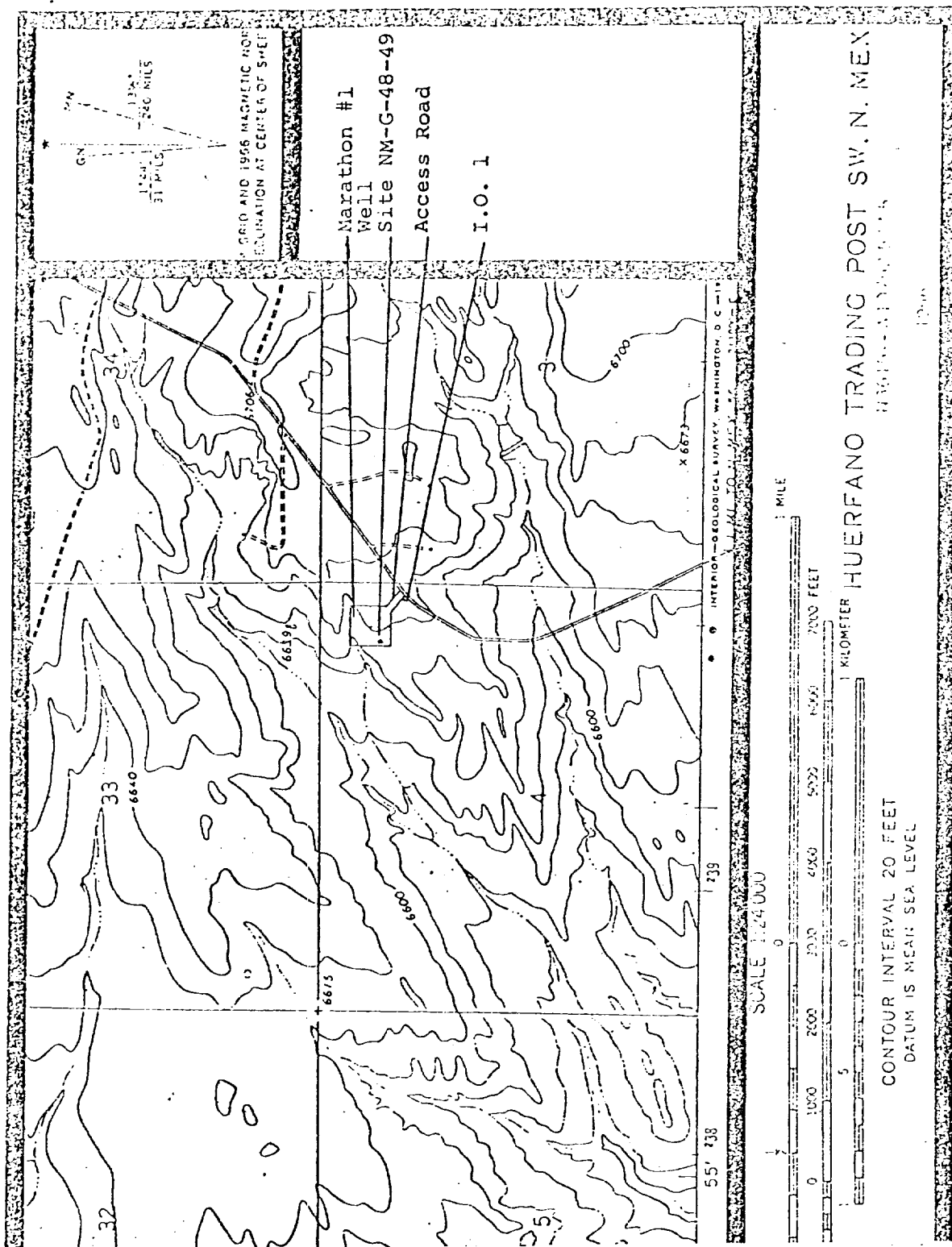
Date Surveyed

April 18, 1985

Registered Professional Engineer  
and/or Land Surveyor

*Edgar L. Risenhoover*  
Certificate No. 2979

Edgar L. Risenhoover, L.S.



Marathon #1 Well Location and Locations of Site NM-G-48-49 and I.O. 1, T. 23N, R. 10W.

DUGAN PRODUCTION CORP. - Marathon #1  
Existing Roads

Exhibit E

Distance from nearest town or reference pt.  
7 miles SW of Blanco Trading Post

Type of surface dirt

Conditions good

Other

DUGAN PRODUCTION CORP. - Marathon #1  
Planned Access Road(s)

Exhibit E

Width 20' Maximum grades 2%  
Drainage design None Required  
Cuts & Fills None  
Surfacing material None  
Turnouts  
Culverts  
Gates  
Cattleguards  
Fence cuts

None