

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

790' FSL -790' FEL

At proposed prod. zone

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

3 miles west of Chaco Plant

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT. 790' from East & South
(Also to nearest drlg. unit line, if any) Lines

16. NO. OF ACRES IN LEASE

320

17. NO. OF ACRES ASSIGNED
TO THIS WELL

160

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT. 1400' to
Irish #1

19. PROPOSED DEPTH

1300'

20. ROTARY OR CABLE TOOLS

Rotary

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

6023' GL DRILLING OPERATIONS AUTHORIZED ARE

22. APPROX. DATE WORK WILL START*

ASAP

23. SUBJECT TO COMPLIANCE WITH ATTACHED

This action is subject to administrative
appeal pursuant to 30 CFR 290.

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
8-3/4"	7"	20#	100'	26 cf class "B" circ. to surface
5-1/8"	2-7/8"	6.5#	1300'	200 cf circulated to surface

Plan to drill a 8-3/4" hole with mud and set 100' of 7" surface casing. Then will drill a 5-1/8" hole with gel-mud-water program to 1300' to test Pictured Cliffs Formation. Will log open hole, evaluate log; if deemed productive, will run 2-7/8", 6.5#, J-55 tubing for casing, selectively perforate, frac, clean out and complete well.

GAS IS DEDICATED.

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

TITLE

Geologist

(This space for Federal or State Office use)

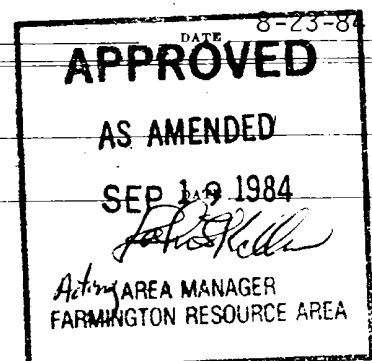
PERMIT NO.

APPROVAL DATE

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE



*See Instructions On Reverse Side

OIL CONSERVATION DIVISION

P. O. BOX 2088

Form O-10
Revised 10-78STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

SANTA FE, NEW MEXICO 87501

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

Operator Dugan Production Corporation		Lease Irish		Well No. 2
Unit Letter P	Section 11	Township 26 North	Range 13 West	County San Juan
Actual Footage Location of Well:				
790	feet from the South	line and	790	feet from the East
Ground Level Elev. 6023	Producing Formation Pictured Cliffs		Pool WAW Pictured Cliffs	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 will be communitized

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. 11	
RECEIVED SEP 20 1984 OIL CON. DIV. DIST. 3	Hawthorn Oil Co. 50% DUGAN PRODUCTION CORP. 50% Lease # NM 10757 SOUTHLAND ROYALTY Lease # NM 57580 790'

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

8-23-84

I hereby certify that the location shown on this plat was obtained 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

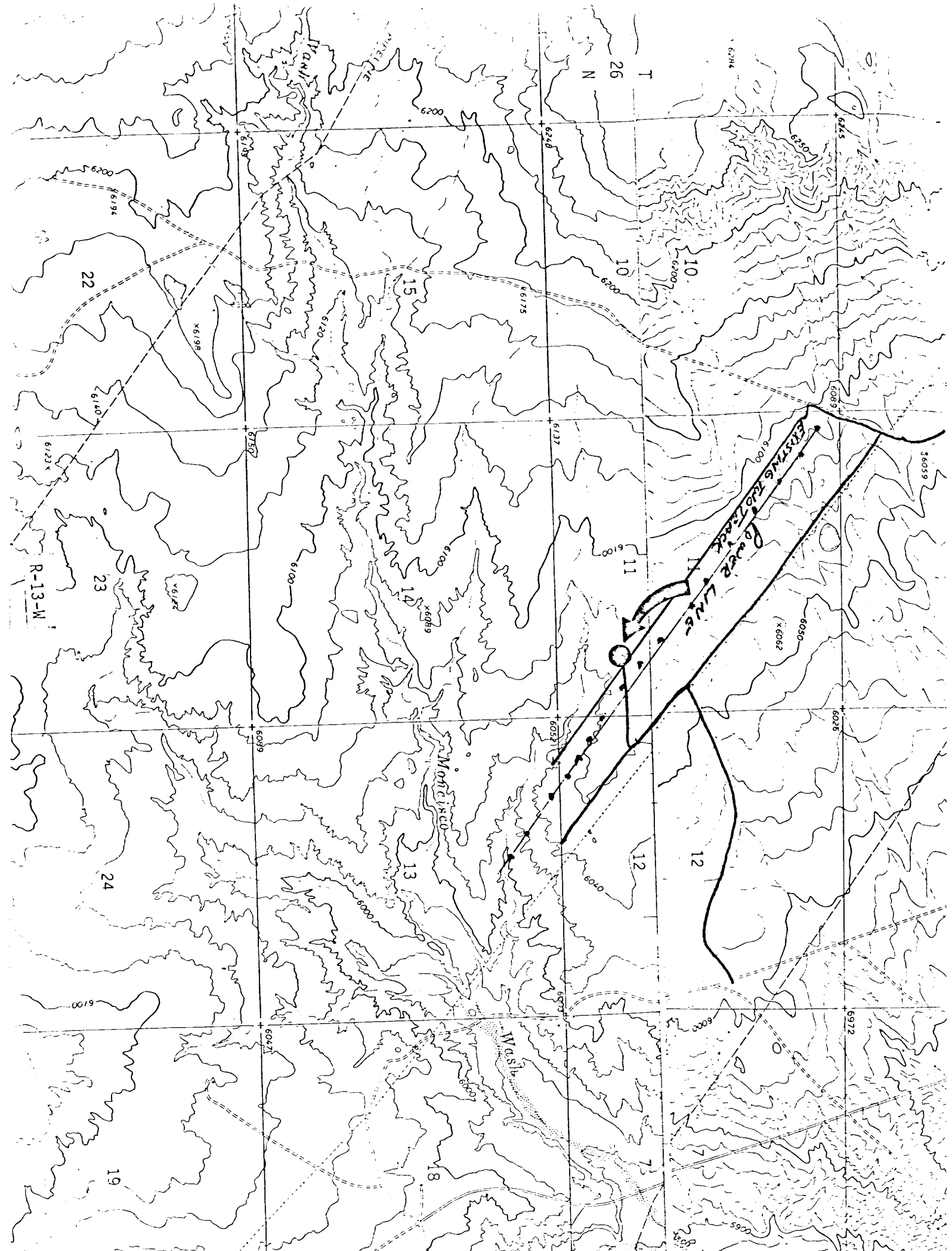
August 17, 1984

Registered Professional Engineer
and/or Land Surveyor

Edgar L. Risenhoover

Certificate No. 5979

Edgar L. Risenhoover, L.



DUGAN PRODUCTION - Irish #2
Existing Roads Exhibit E
Distance from nearest town or reference pt.
3 miles west of Chaco Plant
Type of surface Dirt
Conditions Good
Other _____

DUGAN PRODUCTION CORP. - Irish #2
Planned Access Road(s) Exhibit E
Width _____ Maximum grades _____
Drainage design _____
Cuts & Fills _____
Surfacing material _____
Turnouts _____
Culverts _____
Gates _____
Cattleguards _____
Fence cuts _____
NO ACCESS ROAD
IS PLANNED