

DUGAN PRODUCTION CORP. - Riviera #1  
Existing Roads Exhibit E

Distance from nearest town or reference pt.  
6 miles NW of Kirtland, NM

Type of surface dirt

Conditions good

Other \_\_\_\_\_

DUGAN PRODUCTION CORP. - Riviera #1  
Planned Access Road(s) Exhibit E

Width 15' Maximum grades 2%

Drainage design toward south end arroyo

Cuts & Fills none

Surfacing material on site

Turnouts none

Culverts none

Gates none

Cattleguards none

Fence cuts none

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

30-045-25819  
5. LEASE DESIGNATION AND SERIAL NO.  
NM 19403  
6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
7. UNIT AGREEMENT NAME  
8. FARM OR LEASE NAME  
Riviera  
9. WELL NO.  
1  
10. FIELD AND POOL, OR WILDCAT  
Basin Dakota  
11. SEC., T., R., M., OR BLK.  
AND SURVEY OR AREA  
B  
Sec. 18 T30N R14W  
12. COUNTY OR PARISH  
San Juan  
13. STATE  
NM

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  
1120' FNL - 1850' FEL  
At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
6 miles NW of Kirtland, NM

15. DISTANCE FROM PROPOSED\*  
LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drlg. unit line, if any)  
1120'

16. NO. OF ACRES IN LEASE  
400

17. NO. OF ACRES ASSIGNED  
TO THIS WELL  
320

18. DISTANCE FROM PROPOSED LOCATION\*  
TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.  
1/2 mile

19. PROPOSED DEPTH  
5900'

20. ROTARY OR CABLE TOOLS  
rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
5535' GL; 5547' RKB  
DRILLING OPERATIONS AUTHORIZED ARE  
SUBJECT TO COMPLIANCE WITH ATTACHED

22. APPROX. DATE WORK WILL START\*  
ASAP

23. PROPOSED CASING AND CEMENTING PROGRAM

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
12-1/4"	8-5/8"	24#	200'	160 cf circulated to surf.
7-7/8"	4-1/2"	10.5#	5900'	1875 cf in 2 stages

Plan to drill a 12 1/4" hole to set 200' of surface casing; then plan on drilling 7-7/8" hole to total depth with gel-water-mud program to test the Dakota formation. Plan to run IES and CDL logs. If deemed productive, will run 4 1/2" casing, selectively perforate, frac, clean out after frac, and complete well.

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OCT 13 1983

OIL CON. DIV.  
DIST. 3

GAS 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 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:

\*See Instructions On Reverse Side

NMOCC

DATE 9-20-83  
APPROVED  
AS AMENDED  
OCT 12 1983  
R. Bingham  
Acting AREA MANAGER  
FARMINGTON RESOURCE AREA

## OIL CONSERVATION DIVISION

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form C-102  
Revised 10-1-78

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

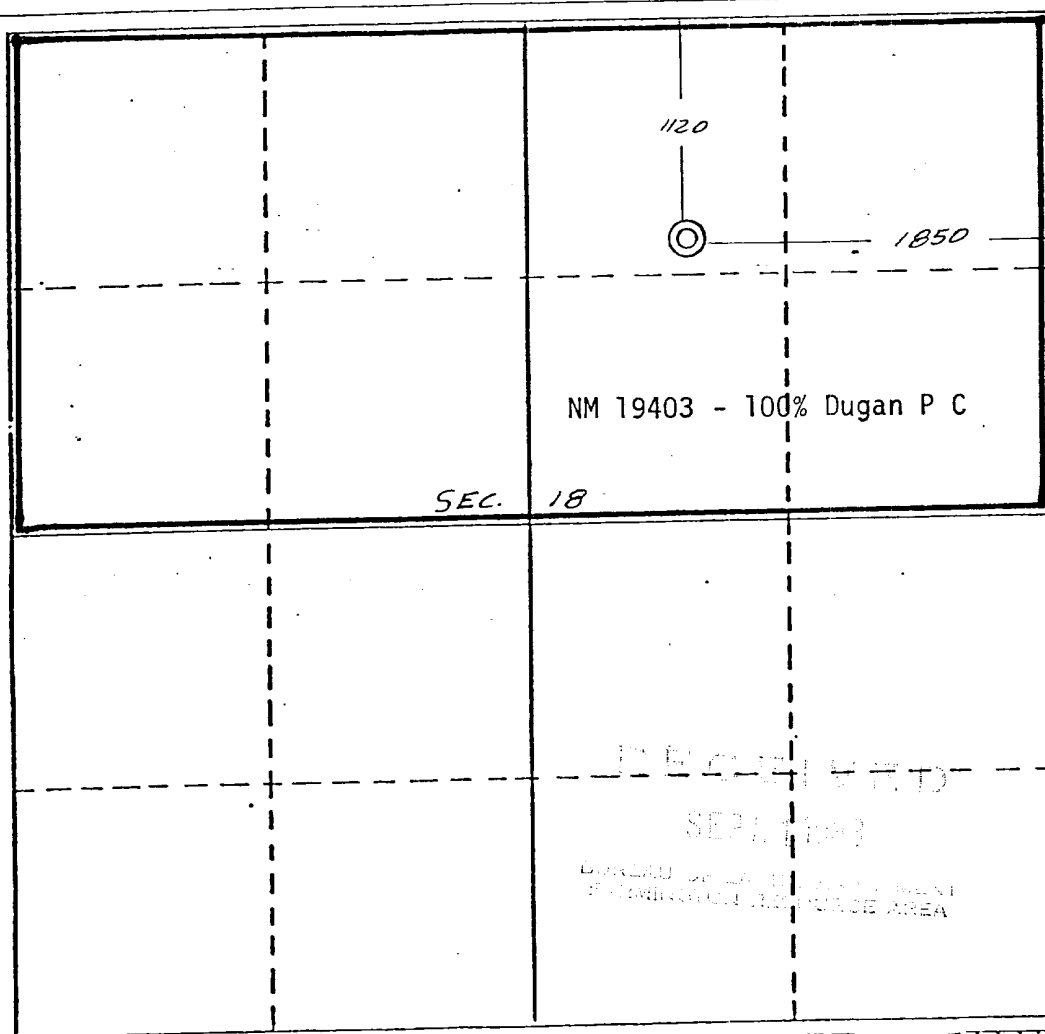
Operator Dugan Production Corporation		Lease Riviera		Well No. 1	
Unit Letter B	Section 18	Township 30 North	Range 14 West	County San Juan	
Actual Footage Location of Well: 1120 feet from the North line and 1850 feet from the East line					
Ground Level Elev. 5535	Producing Formation Dakota	Pool Basin Dakota		Dedicated Acreage: 320	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 communization, 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 communization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Division.

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OIL CON. DIV.

## 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

9-20-83

I hereby certify that the location shown on this plat was located from field notes or other 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

September 12, 1983

Registered Professional Engineer  
and/or Land Surveyor

Edgar L. Risenhoover

Certificate No. 5979

Edgar L. Risenhoover, L.S.