

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1. TYPE OF WORK DRILL ☒ DEEPEN ☐ PLUG BACK ☐2. TYPE OF WELL OIL WELL ☒ GAS WELL ☐ OTHER ☐ SINGLE ZONE ☒ MULTIPLE ZONE ☐

3. NAME OF OPERATOR

DUGAN PRODUCTION CORP.

4. ADDRESS OF OPERATOR

P.O. Box 420, Farmington, NM 87499

5. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)

At surface
2310' FSL & 2310' FWL

At proposed prod. zone

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

approx. 8 1/2 miles SW of Blanco Trading Post, NM

16. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.
(Also to nearest dril. unit line, if any)

330'

18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.

N/A

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

6558' GL; 6570' KB

23.

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH
12-1/4"	8-5/8"	24#	200'
7-7/8"	4-1/2"	10.5#	4610'

16. NO. OF ACRES IN LEASE

160 7/10

19. PROPOSED DEPTH

4610'

17. NO. OF ACRES ASSIGNED TO THIS WELL

E/80

20. ROTARY OR CABLE TOOLS

Rotary

22. APPROX. DATE WORK WILL START

ASAP

2. LEASE DESIGNATION AND SERIAL NO

NM 36951

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Helsinki

9. WELL NO.

52

10. FIELD AND POOL, OR WILDCAT

South-Bisti Gallup Ext.

11. SEC. T., R., M., OR B.L. AND SURVEY OR AREA

K Sec. 9, T23N, R10W, NMPN

12. COUNTY OR PARISH

San Juan

13. STATE

NM

PROPOSED CASING AND CEMENTING PROGRAM

This action is subject to technical and
procedural review pursuant to 43 CFR 3165.3
and appeal pursuant to 43 CFR 3165.4.159 cf circ. to surface
1455 cf circ. to surface

Plan to drill a 12-1/4" hole and set 200' of 8-5/8" OD, 24#, J-55 surface casing; then plan to drill a 7-7/8" hole to total depth with gel-water-mud program to test Gallup formation. Plan to run IES and CDL logs. If determined productive, will run 4-1/2", 10.5#, J-55 casing, selectively perforate, frac, clean out after frac and complete well.

RECEIVED

JUL 9 1989

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

Sheridan E. Dugan
(This space for Federal or State office use)

TITLE

Geologist

DATE

6/15/89

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

Submit to Appropriate
District Office
State Lease - 4 copies
Fee Lease - 3 copies

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised 1-1-89

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator Dugan Production Corporation			Lease Helsinki		Well No. 52
Unit Letter K	Section 9	Township 23 North	Range 10 West	County NMPM	San Juan
Actual Footage Location of Well: 2310 feet from the South line and 2310 feet from the West line					
Ground level Elev. 6558	Producing Formation Gallup		Pool South Bisti Gallup	Dedicated Acreage: 80 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).

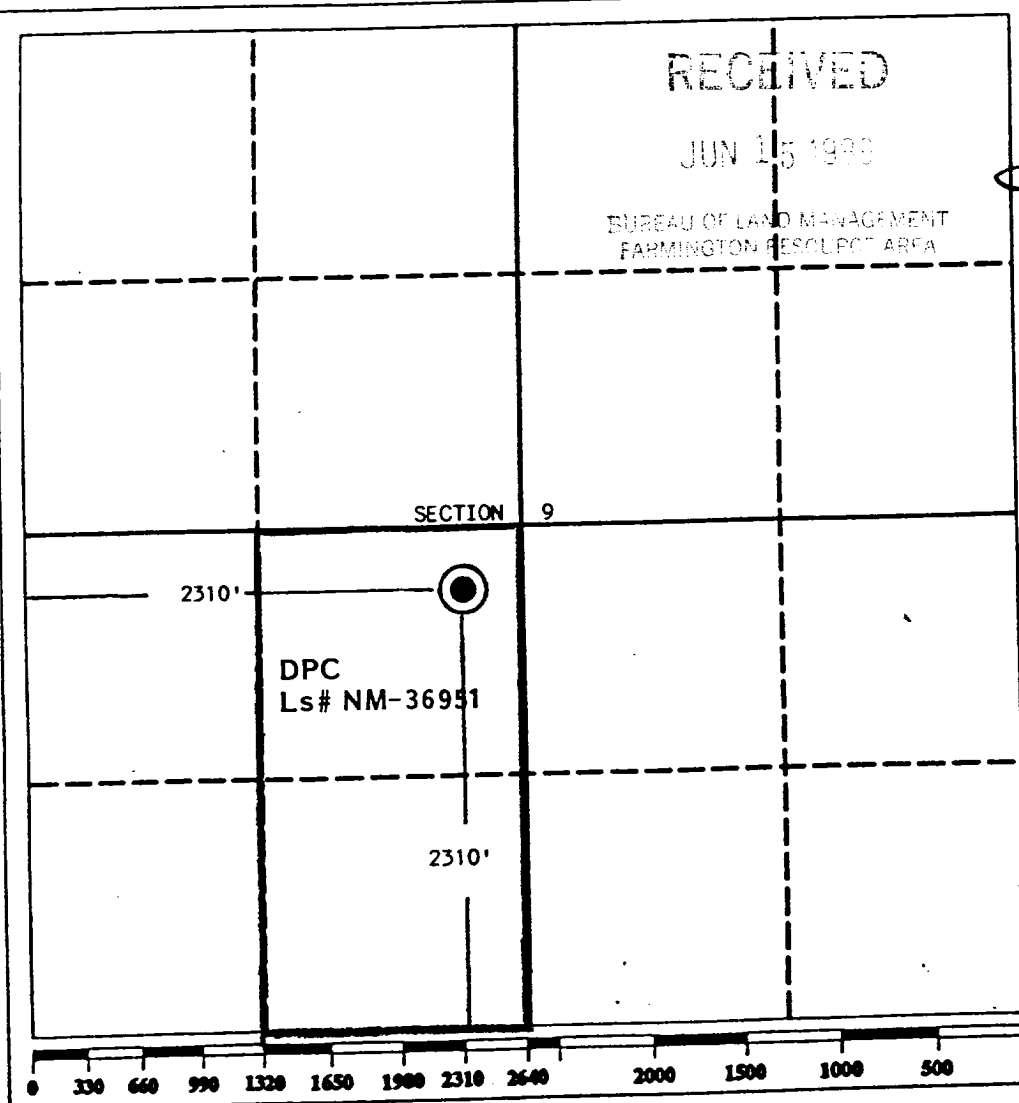
3. If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.?

☐ 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 interest, has been approved by the Division.



OPERATOR CERTIFICATION

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

Signature

Printed Name

Sherman E. Dugan

Position

Vice-President

Company

Dugan Production Corp.

Date

6-15-89

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes 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

June 7, 1989

Signature & Seal of Professional Surveyor

EDGAR L. RISENHOVER
NEW MEXICO
5379
Edgar L. Risenhover
Certificate No. 5979
REGISTERED LAND SURVEYOR

Helsinki #52
Existing Roads

Exhibit E

Dugan Production Corp.
Planned Access Road(s)

Exhibit E

Vicinity of nearest town or reference pt.
Approx. 9½ mi. southwest of Blanco Trading

Type of surface dirt Post

Conditions good

Other _____

Reference map: USGS map Huerfano Trading
Post SW 1966; Pueblo Bonito NW 1966

Width 20' Maximum grades 6%

Drainage design as required

Cuts & Fills See Cut & Fill Diagram

Surfacing material none

Turnouts none Waterbars none

Culverts none

Gates none Existing road

Cattleguards none

Fence cuts none New road

Access road(s) (do) do not cross (Fed) Ind land.

— Natural gas line to existing system

GAS LINE R-O-W WILL BE APPLIED
FOR TO DUGAN'S ST. LOUIS #12, ALLOTTED
LEASE, UNDER A SEPARATE APPLICATION
TO BIA.

