

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 ☐		5. LEASE DESIGNATION AND SERIAL NO. NM 32124		
b. TYPE OF WELL OIL WELL ☒ GAS WELL ☐ OTHER ☐		6. INDIAN, ALLOTTEE OR TRIBE NAME		
2. NAME OF OPERATOR DUGAN PRODUCTION CORP.		7. UNIT AGREEMENT NAME		
3. ADDRESS OF OPERATOR P.O. Box 420, Farmington, NM 87499		8. FARM OR LEASE NAME Calgary		
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 990' FSL & 1980' FEL At proposed prod. zone		9. WELL NO. 7		
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* approx. 9-3/4 miles SW of Blanco Trading Post, NM		10. FIELD AND POOL, OR WILDCAT South Bisti Gallup		
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 990'		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA 0 Sec. 6, T23N, R10W, NMPM		
16. NO. OF ACRES IN LEASE 640 636.72		12. COUNTY OR PARISH San Juan		
17. NO. OF ACRES ASSIGNED TO THIS WELL W/80		13. STATE NM		
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. from DPC Calgary#6 4655'		19. PROPOSED DEPTH 4655'		
20. ROTARY OR CABLE TOOLS Rotary		21. APPROX. DATE WORK WILL START* ASAP		
22. APPROX. DATE WORK WILL START* ASAP		23. PROPOSED CASING AND CEMENTING PROGRAM		
23. PROPOSED CASING AND CEMENTING PROGRAM		24. 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.		
SIZE OF HOLE 12-1/4" 7-7/8"	SIZE OF CASING 8-5/8" 4-1/2"	WEIGHT PER FOOT 24# 10.5#	SETTING DEPTH 200' 4655'	QUANTITY OF CEMENT 159 c.f. circ. to surface 1467 c.f. 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 the Gallup formation. Plan to run IES and CDL logs. If determined productive, will run 4-1/2", 10.5#, J-55 casing with stage tool, selectively perforate, frac, clean out after frac and complete well.

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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.

SIGNED Sherman E. Dugan TITLE Vice-President DATE 10-25-91
(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED
AS AMENDED

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

NOV 15 1991

AREA MANAGER

*See Instructions On Reverse Side

NR0000

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OFFICE OF THE
SECRETARY

EX-100-1
15-00000-2

15-00000-2

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 1-1-80

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

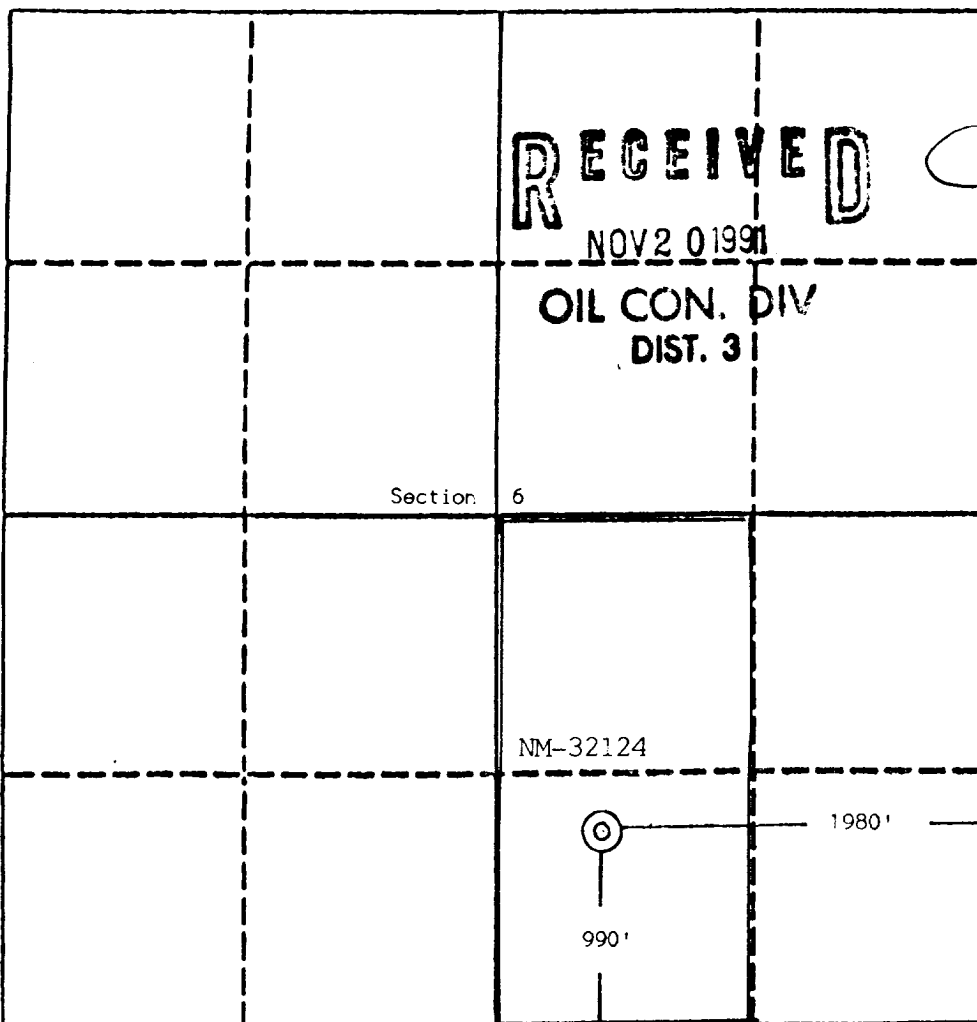
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator Dugan Production Corporation			Lease Calgary		Well No. 7
Unit Letter 0	Section 6	Township 23 North	Range 10 West	County NMPM	San Juan
Actual Footage Location of Well: 990 feet from the South line and 1980 feet from the East line					
Ground level Elev. 6582	Producing Formation Gallup		Pool South Bisti Gallup		Dedicated Acreage: 80 Acres

- Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- 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
Sherman E. Dugan
Printed Name
Sherman E. Dugan
Position
Vice-President
Company
Dugan Production Corp.
Date
10-25-91

SURVEYOR CERTIFICATION
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
August 26, 1991
Signature & Seal of Professional Surveyor
Edgar L. Risenhoover
Certificate No. 5979
Edgar L. Risenhoover

0 330 660 990 1320 1650 1980 2310 2640 2000 1500 1000 500 0