

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. SF 078091	
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR DUGAN PRODUCTION CORP. 6515		7. UNIT AGREEMENT NAME	
3. ADDRESS AND TELEPHONE NO. P.O. Box 420, Farmington, NM 87499 505-325-1821		8. FARM OR LEASE NAME, WELL NO. Patriot #90 1.3898	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 790' FSL & 1850' FWL (SE/4 SW/4) At proposed prod. zone		9. API WELL NO. 30-045-29511	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* approx. 4.5 miles SW of EPNG Chaco Plant		10. FIELD AND POOL, OR WILDCAT Basin Fruitland Coal 7/6 29	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any) 790'		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Unit N, Sec. 27, T26N, R13W	
16. NO. OF ACRES IN LEASE 1920		12. COUNTY OR PARISH San Juan	
17. NO. OF ACRES ASSIGNED TO THIS WELL W/320		13. STATE NM	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. from P&A WBU #140 approx. 1100'		20. ROTARY OR CABLE TOOLS Rotary	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 6242' GL (est)		22. APPROX. DATE WORK WILL START* ASAP	
23. PROPOSED CASING AND CEMENTING PROGRAM			

SIZE OF HOLE	GRADE SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
9-7/8"	7"	20#	120'	50 sx (59 cu.ft.) circ. to surf.
6-1/4"	4 1/2"	10.5#	1355'	160 sx (276 cu.ft.) circ. to surf.

DRILLING OPERATIONS AUTHORIZED ARE
SUBJECT TO COMPLIANCE WITH ATTACHED
"GENERAL REQUIREMENTS"

Plan to drill a 9-7/8" hole and set 120' of 7" OD, 20#, J-55 surface casing;
then plan to drill a 6-1/4" hole to total depth with gel-water-mud program to
test the Fruitland Coal 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
JAN 12 1998
OIL CON. DIV.
DIST. 2

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, 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 prevention program, if any.

24. SIGNED Sherman E. Dugan TITLE Vice-President DATE 6/2/97
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
CONDITIONS OF APPROVAL, IF ANY:APPROVED BY /s/ Duane W. Spencer TITLE _____ DATE JAN - 8 1998

*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

NMOON

Revised February 21, 1994

Instructions on back

Submit to Appropriate District Office

State Lease - 4 Copies

Free Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 30-045-29511		2 Pool Code 71629	3 Pool Name Basin Fruitland Coal
4 Property Code 13898	5 Property Name Patriot		6 Well Number 90
7 OGRID No. 006515	8 Operator Name Dugan Production Corporation		9 Elevation 6242' Estimated

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	27	26N	13W		790	South	1850	West	San Juan

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
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¹³ Dedicated Acres w/320	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

16			
		<div style="border: 1px solid black; padding: 5px; display: inline-block;"> RECEIVED JAN 12 1998 OIL CON. DIV. DIST. 3 </div>	
	Section 27		
	Dugan Prod. 1850' 790' SF 078031		

17 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

Title Vice-President

Date 6/2/97

18 SURVEYOR CERTIFICATION

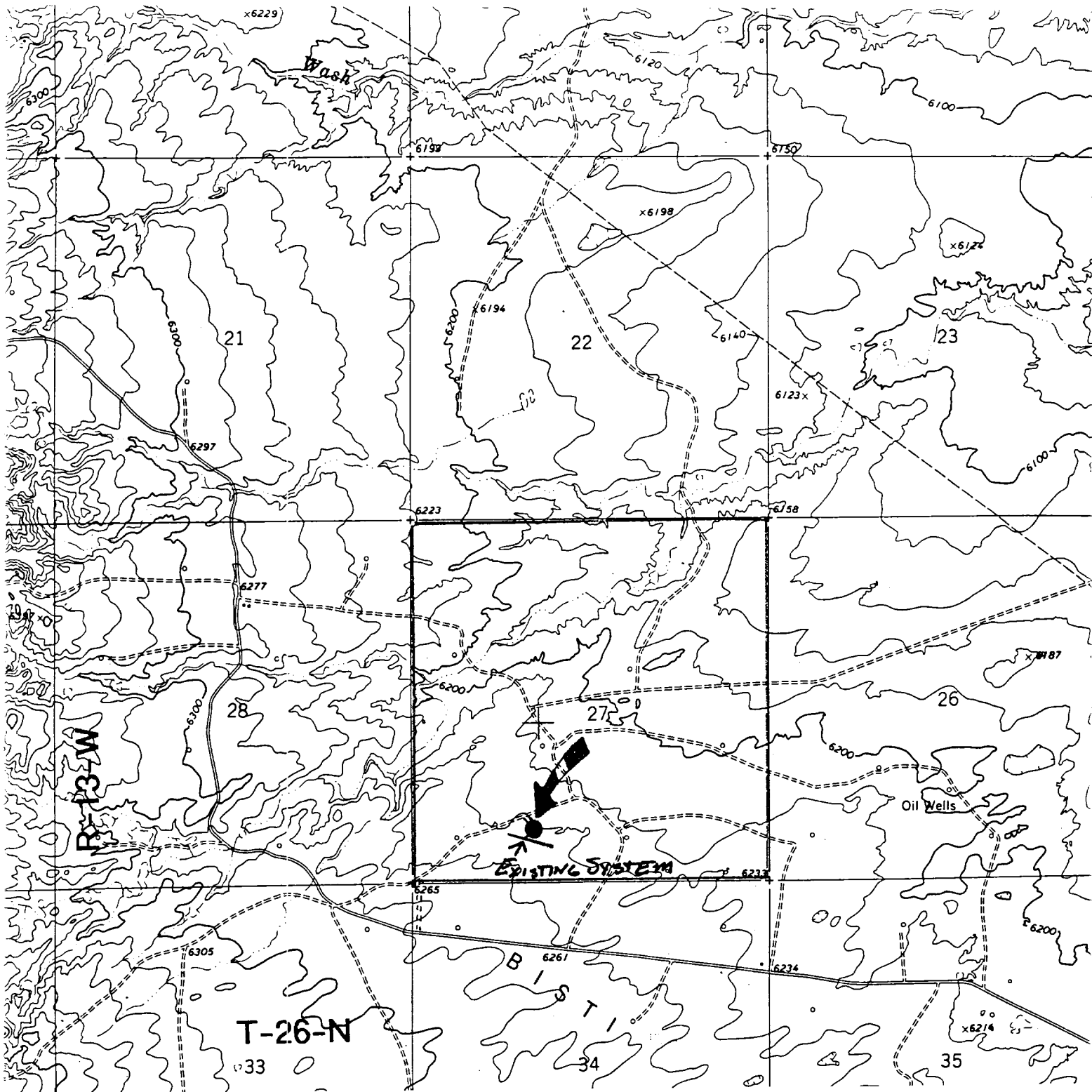
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

July 31, 1995

Date of Survey _____

Signature and Seal _____

Certificate Number _____



Existing Roads

Exhibit E

Vicinity of nearest town or reference pt.
approx. 4.5 miles SW of EPNG Chaco Plant

Type of surface dirt

Conditions good

Other _____

Reference map: USGS map - Moncisco Wash, NM

Planned Access Road(s)

Exhibit E

Width --- Maximum grades ---

Drainage design as required

Cuts & Fills as required

Surfacing material none

☒ Turnouts

☒ Culverts

☒ Gates

☒ Cattleguards

☒ Fence cuts

☒ Waterbars

Access Road &
Pipeline

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

NO NEW ACCESS REQUIRED

DUGAN PRODUCTION CORP. - Patriot #90