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STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

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FILE	
U.S.G.S.	
LAND OFFICE	
TRANSPORTER	OIL
	GAS
OPERATOR	
PROMOTION OFFICE	

OIL CONSERVATION DIVISION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-104
Revised 10-01-78
Format 06-01-83
Page 1

REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

RECEIVED
AUG 13 1984
OIL CON. DIV.
DIST. 3

I. Operator Dugan Production Corp.
Address P O Box 208, Farmington, NM 87499
Reason(s) for filing (Check proper box)
☒ New Well ☐ Recompletion ☐ Change in Ownership
Change in Transporter of: ☐ Oil ☐ Dry Gas ☐ Casinghead Gas ☐ Condensate
Other (Please explain) _____

If change of ownership give name and address of previous owner _____

II. DESCRIPTION OF WELL AND LEASE

Lease Name <u>Pacheco</u>	Well No. <u>1</u>	Pool Name, Including Formation <u>Undesignated Gallup</u>	Kind of Lease <u>NavaJO</u>	Lease No. <u>N00-C-14-20</u>
Location Unit Letter <u>B</u> : <u>810</u> Feet From The <u>North</u> Line and <u>1850</u> Feet From The <u>East</u> Line of Section <u>13</u> Township <u>24N</u> Range <u>9W</u> , NMPM, <u>San Juan</u> County				

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input checked="" type="checkbox"/> or Condensate <input type="checkbox"/> <u>Giant Refining, Inc.</u>	Address (Give address to which approved copy of this form is to be sent) <u>P O Box 256, Farmington, NM 87499</u>	
Name of Authorized Transporter of Casinghead Gas <input checked="" type="checkbox"/> or Dry Gas <input type="checkbox"/> <u>El Paso Natural Gas Co.</u>	Address (Give address to which approved copy of this form is to be sent) <u>P O Box 4990, Farmington, NM 87499</u>	
If well produces oil or liquids, give location of tanks.	Unit <u>B</u>	Sec. <u>13</u>
	Twp. <u>24N</u>	Rge. <u>9W</u>
	Is gas actually connected? <u>No</u> When _____	

If this production is commingled with that from any other lease or pool, give commingling order number: _____

NOTE: Complete Parts IV and V on reverse side if necessary.

VI. CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Division have been complied with and that the information given is true and complete to the best of my knowledge and belief.

Jim L. Jacobs (Signature)
Geologist

(Title)

8-10-84

(Date)

OIL CONSERVATION DIVISION

APPROVED AUG 13 1984, 19____
BY Original Signed by FRANK T. CHAVEZ
TITLE SUPERVISOR DISTRICT # 3

This form is to be filed in compliance with RULE 1104.

If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.

All sections of this form must be filled out completely for allowable on new and recompleted wells.

Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transporter, or other such change of condition.

Separate Forms C-104 must be filed for each pool in multiply completed wells.

IV. COMPLETION DATA

Designate Type of Completion - (X)		Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v.	Diff. Res'v.
		XX		XX					
Date Spudded	Date Compl. Ready to Prod.		Total Depth		P.B.T.D.				
5-8-84	6-26-84 7-6-84		5595' RKB		5528'				
Elevations (DF, RKB, RT, GR, etc.)	Name of Producing Formation		Top Oil/Gas Pay		Tubing Depth				
6635' GL; 6647' RKB	Gallup				5354'				
Perforations		Depth Casing Shoe							
4783 - 5447'		5354'							
TUBING, CASING, AND CEMENTING RECORD									
HOLE SIZE	CASING & TUBING SIZE		DEPTH SET						
12-1/4"	8-5/8" OD		221' RKB						
7-7/8"	4-1/2" OD		5595' RKB						
	2-3/8"		5354'						
		2122 cf in 2 stages							

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 OIL CON. DIV.
 DIST. 2

V. TEST DATA AND REQUEST FOR ALLOWABLE OIL WELL

(Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

Date First New Oil Run To Tanks	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
7-6-84	8-9-84	Pumping	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
24 hrs.	40 psi	40 psi	---
Actual Prod. During Test	Oil - Bbls.	Water - Bbls.	Gas - MCF
	50 BOPD	25 (frac)	35 MCFGPD

GAS WELL

Actual Prod. Test - MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (prior, back pr.)	Tubing Pressure (shut-in)	Casing Pressure (shut-in)	Choke Size

6 BLM, Fmn 1 Navajo Nation 1 File 1 TR
2 EPNG UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE*

(See other In-
structions on
reverse side)

1 MZ form approved.
Budget Bureau No. 1004-0137
Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO.

N00-C-14-20-5542

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo Alloted

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Pacheco

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Undesignated Gallup

11. SEC. T. R. M., OR BLOCK AND SURVEY
OR AREA

Sec. 13, T24N, R9W, NMPM

12. COUNTY OR
PARISH

San Juan

13. STATE

NM

14. PERMIT NO. DATE ISSUED

5-08-84

15. DATE SPUDDED

5-8-84

16. DATE T.D. REACHED

5-16-84

17. DATE COMPL. (Ready to prod.)

7-6-84

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*

6635' GL; 6647' RKB

19. ELEV. CASINGHEAD

6635'

20. TOTAL DEPTH, MD & TVD

5595' RKB

21. PLUG, BACK T.D., MD & TVD

5528'

22. IF MULTIPLE COMPL.,
HOW MANY*

single

23. INTERVALS
DRILLED BY

ROTARY TOOLS

T.D.

CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION— TOP, BOTTOM, NAME (MD AND TVD)*

4783 - 5447' Gallup

25. WAS DIRECTIONAL
SURVEY MADE

no

26. TYPE ELECTRIC AND OTHER LOGS RUN

IES and CDL logs, GR-CCL

27. WAS WELL CORED

no

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8" OD	24#	221' RKB	12-1/4"	271 cf class "B" + 2% CaCl ₂	---
4-1/2" OD	10.5#	5595' RKB	7-7/8"	2122 cf in 2 stages (1st	---
stg=368 cf, 290 sx 50-50		pos+2% gel & 1# flocele/sk)		(2nd stg=1754 cf, 690 sx	65-35+12% gel &
1# flocele/sk 8175 sx 50-50		pos+2% gel & 1# flocele/sk)		(Est. cement top at 160' from surface)	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-3/8"	5354'	

31. PERFORATION RECORD (Interval, size and number)

See Reverse Side

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
4783-5192'	58,200 gals. slick water
	50,000# 20/40 sand
5246-5447'	55,000 gals. slick water
	67,500# 20/40 sand

33.*

PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)					WELL STATUS (Producing or shut-in)	
7-6-84*		Pumping					Producing	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO	
8-9-84	24	---	→	50	35	25 (frac)	700	
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)		
40	40	→	50	35	25 (frac)	40° est.		
34. DISPOSITION OF GAS (Soll. used for fuel vented, etc.)								

34. DISPOSITION OF GAS (Solid, used for fuel, vented, etc.)

Vented during test.

TEST WITNESSED BY

Cole Baird

35. LIST OF ATTACHMENTS

*1st new oil to tank.

ACCEPTED FOR RECORD

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

Jim L. Jacobs

TITLE

Geologist

DATE

8-10-84

*(See Instructions and Spaces for Additional Data on Reverse Side)

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):				38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
			<p><u>31. PERFORATION RECORD</u></p> <p>Perforated with 1 JSPD & 3-1/8" casing gun as follows:</p> <p>4783,95; 4800,10,37,56,93,95,98; 4900,11,22,40; 5046,56,69,82,93; 5112,15,19,23,36,38,41,52,55, 61,67,87 & 92. (Total of 31 0.34" holes). And 5246,49,57,62,65,73,75,77,89; 5300,07,08,09,32, 35,50,51,54,55,56,57,59,65,79,85,87,89; 5445, 47. (Total of 29 0.34" holes).</p>	<p>Ojo Alamo</p> <p>Kirtland</p> <p>Fruitland</p> <p>Pictured Cliffs</p> <p>Lewis</p> <p>Mesa Verde</p> <p>Point Lookout</p> <p>Mancos</p> <p>Gallup</p>	<p>872'</p> <p>1023'</p> <p>1443'</p> <p>1672'</p> <p>1917'</p> <p>2535'</p> <p>4082'</p> <p>4308'</p> <p>4683'</p>	