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NEW MEXICO OIL CONSERVATION COMMISSION  
REQUEST FOR ALLOWABLE  
AND  
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Form C-104  
Supersedes Old C-104 and C-1  
Effective 1-1-65

Operator El Paso Natural Gas Company	
Address Box 990, Farmington, New Mexico 87401	
Reason(s) for filing (Check proper box)	Other (Please explain)
New Well <input type="checkbox"/>	Change in Transporter of:
Recompletion <input checked="" type="checkbox"/>	Oil <input type="checkbox"/> Dry Gas <input type="checkbox"/>
Change in Ownership <input type="checkbox"/>	Casinghead Gas <input type="checkbox"/> Condensate <input type="checkbox"/>

If change of ownership give name  
and address of previous owner

## II. DESCRIPTION OF WELL AND LEASE

Lease Name Hardie B	Well No. 1	Pool Name, including Formation Blanco Mesa Verde	Kind of Lease State, Federal or Fee	Lease No. SF 078049-
Location Unit Letter <u>L</u> : <u>1750</u> Feet From The <u>South</u> Line and <u>915</u> Feet From The <u>West</u> Line of Section <u>28</u> Township <u>29-N</u> Range <u>8-W</u> , NMPM, <u>San Juan</u> County				

## III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)					
El Paso Natural Gas Company	Box 990, Farmington, New Mexico					
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)					
El Paso Natural Gas Company	Box 990, Farmington, New Mexico					
If well produces oil or liquids, give location of tanks.	Unit <u>L</u>	Sec. <u>28</u>	Twp. <u>29N</u>	Rge. <u>8W</u>	Is gas actually connected?	When

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

## V. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v.	Diff. Res'v.
		X		X			X	
Date Spudded W/O 6-29-69	Date Compl. Ready to Prod. W/O 7-24-69		Total Depth 5397		P.B.T.D. 5367			
Elevations (DF, RKB, RT, GR, etc.) 6379' GL	Name of Producing Formation Mesa Verde		Top <del>Oil</del> Gas Pay 4568'		Tubing Depth 5239			
Perforations 4568-71, 4597-4603, 4632-38, 4656-62, 4672-34, 5134-46, 5156-68, 5178-84, 5212-24, 5254-60, 5302-03					Depth Casing Shoe 5397'			

## TUBING, CASING, AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT
13 3/4"	9 5/8"	172'	125 sks.
8 3/4"	7"	4500'	300
6 1/4"	4 1/2"	5397	125
	2 3/8"	5239	tubing

## 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.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil-Bbls.	Water-Bbls.	Gas-MCF

## GAS WELL

Actual Prod. Test-MCF/D 20,314 MCF/D	Length of Test 3 hrs.	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (pitot, back pr.) Calculated A.O.F.	Tubing Pressure (Shut-in) 838	Casing Pressure (Shut-in) 840	Choke Size 3/4"

## VI. CERTIFICATE OF COMPLIANCE

OIL CONSERVATION COMMISSION

## WORKOVER

6-29-69 Rigged up Dwinell Bros. rig #1, cut stuck tubing off at 4598', set retainer at 4395', squeezed open hole w/200 sks. cement. Perf 1 squeeze hole at 2050', set retainer at 2017'. Squeezed base of Ojo Alamo through perfs w/125 sacks cement.

6-30-69 Set retainer at 1990', re-squeezed through perfs at 2050' w/125 sks. cement.

7-1-69 Drilled out cement and retainers at 1990 & 4395', drilled cement to 4515'.

7-2-69 Drilling sidetrack hole from 4515' w/gas, 1° @ 4515', 6° @ 4533'.

7-3-69 Drilling, 4 1/2° @ 4580', 3° @ 4515'.

7-4-69 Reached T. D. of 5397', 3 1/2° at 5397'. Logged well and ran 164 joints 4 1/2", 10.5#, K-55 casing, 5387 set at 5397' w/125 sks. cement.

7-5-69 P.B.T.D. 5367'. Perf 5134-46', 5156-68', 5178-84', 5212-24', 5254-60, 5302-08' w/16 SPZ. Sand water frac w/68,000# 20/40 sand, 69,930 gallon water. Flush w/3948 gallon water, dropped 5 sets of 16 balls. Set bridge plug at 4906', tested w/3000#, O.K. Perf 4568-74' w/15 shots, 4597-4603', 4632-38', 4656-62', 4672-84' w/16 SPZ. Sand water frac perfs w/48,000# 20/40 sand, 49,518 gallon water. Flushed w/3150 gallon water. Dropped 4 sets of 16 balls.

7-6-69 Blowing well and drilled baffel at 4906'.

7-7-69 Ran 175 joints 2 3/8", 4.7#, J-55 tubing, 5229' landed at 5239', seating nipple on bottom.