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U.S.G.S.	
LAND OFFICE	
TRANSPORTER	OIL
	GAS
OPERATOR	4
PRORATION OFFICE	

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-110  
Effective 1-1-65

I. Operator  
**El Paso Natural Gas Company**

Address  
**Box 990, Farmington, New Mexico**

Reason(s) for filing (Check proper box)  
New Well ☐ Change in Transporter of:  
Recompletion ☒ Oil ☐ Dry Gas ☐  
Change in Ownership ☐ Casinghead Gas ☐ Condensate ☐ **See Back for Workover Details**

If change of ownership give name  
and address of previous owner

II. DESCRIPTION OF WELL AND LEASE

Lease Name <b>Kernaghan</b>	Well No. <b>4</b>	Pool Name, Including Formation <b>Blanco Mesa Verde</b>	Kind of Lease State, Federal or Fee
Location Unit Letter <b>H</b> ; <b>1650</b> Feet From The <b>North</b> Line and <b>790</b> Feet From The <b>East</b> Line of Section <b>30</b> , Township <b>31N</b> Range <b>8W</b> , NMPM, <b>San Juan</b> County			

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
If well produces oil or liquids, give location of tanks.	Unit Sec. Twp. Rge. Is gas actually connected? When

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

IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'ty.	Diff. Res'ty.
		<b>X</b>		<b>X</b>			<b>X</b>	
Date Spudded <b>W/O 5-10-65</b>	Date Compl. Ready to Prod. <b>1-2-53 W/O 5-18-65</b>	Total Depth <b>5859</b>	C.O. <b>5837'</b>					
Pool <b>Blanco Mesa Verde ;</b>	Name of Producing Formation <b>Mesa Verde</b>	Top Oil/Gas Pay <b>5300</b>	Tubing Depth <b>5804</b>					
Perforations <b>5300-04, 5316-24, 5694-5702, 5737-45, 5776-84, 5800-08</b>		Depth Casing Shoe						

TUBING, CASING, AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT
12 1/4"	9 5/8"	172'	125
8 3/4"	7"	5190'	300
6 1/4"	4 1/2"	5858'	125
Tubing	2 3/8"	5804'	

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 <b>2219 MCF/D</b>	Length of Test <b>3 hrs.</b>	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (pitot, back pr.) <b>Calculated A.O.F.</b>	Tubing Pressure <b>845</b>	Casing Pressure <b>845</b>	Choke Size <b>3/4"</b>

VI. CERTIFICATE OF COMPLIANCE

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

ORIGINAL SIGNED E. S. OBERLY

(Signature)

Petroleum Engineer

(Title)

June 17, 1965

(Date)

OIL CONSERVATION COMMISSION

APPROVED **JUN 21 1965**  
Original Signed **Emery C. Arnold** 19  
BY

TITLE **Supervisor Dist. # 2**

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 Sections I, II, III, and VI only 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.

5-11-65	Pulled tubing, squeezed open hole w/200 sacks regular cement, 1/4 cu. ft. strata-crete "6"/sk, followed by 150 sacks regular, 10% sand, 2% calcium chloride. Perf. 7" casing w/4 holes at 2350', squeezed w/100 sacks regular, 2% calcium chloride, holding 1000#.
5-13-65	Drilled out cement to 5205', drilling whipstock hole w/gas.
5-15-65	Total depth 5859'.
5-16-65	Ran 183 joints 4 1/2", 10.5#, J-55 casing (5858.45') set at 5850' below R. T.
5-17-65	Cemented w/125 sacks regular, 4% gel, 1/4 cu. ft. fine Gilsontite/sk., preceded w/3 sks. gel w/20 bbls. water. Float collar at 5837'.
5-17-65	Perf. 5300-04 w/4 SPF; 5316-24, 5694-5702, 5737-45, 5776-84, 5800-08 w/2 SPF; trac w/70,160 gallons water w/2# FR-8/1000 gel., 75,000# 20/40 sand, flushed w/3600 gallons water. I.R. 53 BPM, Max. pr. 4000#, HDP 500#, tr. pr. 4000-2300#. Dropped 5 sets of 16 balls each. IBIP -0-, 5 min. SIP -0-.
5-18-65	Cleaned out to 5737', ran 184 joints 2 3/8", 4.7#, J-55 tubing (5793.93')
5-28-65	Landed at 5803.93' below R. T. S. N. @ 5799'. Date well was tested.