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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-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: Oil ☐ Dry Gas ☐  
Recompletion ☒ Casinghead Gas ☐ Condensate ☐  
Change in Ownership ☐ Other (Please explain)

If change of ownership give name  
and address of previous owner

II. DESCRIPTION OF WELL AND LEASE

Lease Name <b>Neil</b>	Well No. <b>9</b>	Pool Name, Including Formation <b>Blanco Mesa Verde</b>	Kind of Lease State, <u>Federal</u> or Fee <b>SF</b>	Lease No. <b>078051</b>
Location Unit Letter <b>N</b> , <b>990</b> Feet From The <b>South</b> Line and <b>1600</b> Feet From The <b>West</b> Line of Section <b>4</b> Township <b>31-N</b> Range <b>11-W</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 checked="" type="checkbox"/> <b>El Paso Natural Gas Company</b>	Address (Give address to which approved copy of this form is to be sent) <b>Box 990, Farmington, New Mexico</b>			
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input checked="" type="checkbox"/> <b>El Paso Natural Gas Company</b>	Address (Give address to which approved copy of this form is to be sent) <b>Box 990, Farmington, New Mexico</b>			
If well produces oil or liquids, give location of tanks.	Unit <b>N</b>	Sec. <b>4</b>	Twp. <b>31N</b>	Rge. <b>11W</b>
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'v.	Diff. Res'v.
		<b>X</b>		<b>X</b>			<b>X</b>	
Date Spudded <b>W/O 11-16-66</b>	Date Compl. Ready to Prod. <b>W/O 12-7-66</b>	Total Depth <b>5478</b>		P.B.T.D. <b>5453</b>				
Elevations (DF, RKB, RT, GR, etc.) <b>6217' GL</b>	Name of Producing Formation <b>Mesa Verde</b>	Top of Gas Pay <b>5163</b>		Tubing Depth <b>5423</b>				
Perforations <b>5163-75, 5186-98, 5214-20, 5230-36, 5246-36; 5320-24, 5383-87, 5398-5402, 5432-38</b>				Depth Casing Shoe <b>5478</b>				
TUBING, CASING, AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE		DEPTH SET		SACKS CEMENT			
<b>13 3/4"</b>	<b>9 5/8"</b>		<b>173'</b>		<b>125</b>			
<b>8 3/4"</b>	<b>7"</b>		<b>4500'</b>		<b>500</b>			
<b>6 1/4"</b>	<b>4 1/2"</b>		<b>5478'</b>		<b>125</b>			
	<b>2 3/8"</b>		<b>5423</b>		<b>tubing</b>			

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>7822 MCF/D</b>	Length of Test <b>3 hours</b>	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (pitot, back pr.) <b>Calculated A.O.F.</b>	Tubing Pressure (shut-in) <b>530</b>	Casing Pressure (shut-in) <b>739</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 **F. H. WOOD**

**Petroleum Engineer**

**December 21, 1966**

OIL CONSERVATION COMMISSION

**JAN - 3 1967**

APPROVED \_\_\_\_\_, 19\_\_\_\_

BY **Original Signed by A. R. Kendrick**

TITLE **PETROLEUM ENGINEER DIST. NO. 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.

Neil #9

- 11-16-66 Rigged up Reams Well Service rig #11
- 11-16-66 Pulled tubing, due to junk in open hole, set cement retainer @ 4383' and squeezed open hole w/300 sks. cement. Locate hole in 7" casing @ 2530'. Set RTTS packer @ 2428' squeezed hole in casing w/150 sks. cement.
- 11-17-66 Perf 2 squeeze holes @ 1170'. Broke circulation through Bradenhead. Block Squeezed perfs w/250 sks. cement.
- 11-18-66 Drilled out retainer & cement.
- 11-19-66 Drilled 4 1/4" sidetrack hole.(4510-4527). Reamed 4 1/4" hole to 6 1/4". 1/4" @ 4510', 4" @ 4527'.
- 11-20-66 Drilling w/gas, 5" @ 4545', 3 3/4" @ 4848'.
- 11-21-66 Reached T.D. of 5478', 1" @ 5478'.
- 11-22-66 Ran logs and 171 jts. 4 1/2", 10.5#, J-55 casing, 5467' set @ 5478' w/125 sks. cement. WOC. 18 hrs.
- 11-23-66 PBTD 5453'. Spotted 250 gallons 7 1/2% MSA. Perf Lower Point Lookout 5320-24', 5383-87', 5398-5402', 5432-38' w/16 SPZ. Frac w/15,000# 20/40 sand, 21,300 gallons water, max pr 4000#, BDP 0, tr pr 2000-2450-3000#. IR 50 BPM. Dropped 3 sets of 16 balls each, flushed w/3,600 gallons water. ISIP 0. Set BP @ 5292', tested w/3500#, O.K. Perf upper Point Lookout 5163-75', 5186-98, 5214-20, 5230-36, 5246-52 w/18 SPZ. Frac w/49,000# 20/40 sand, 37,300 gal. wtr. max pr 4000#, BDP Pump-in, tr pr 1400-2230-3750#. IR 55 BPM, dropped 4 sets of 18 balls each, flushed w/3500 gal water, ISIP vacuum. Set BP @ 4675', tested w/4000#, O.K. Perf Cliff House 4636-50, 4660-67' w/21 SPZ. Frac w/18,000# 20/40 sand, 18,000 gal water, max pr 4000#, BDP 3700#, tr pr 2200-2300-2500#, IR 53 BPM, dropped 1 set of 21 balls, flushed w/3140 gal water, ISIP 600#.
- 11-25-66 Set RTTS packer at 4677'. Squeezed Cliff House perfs 4636-50, 4660-67 w/300 sks.cmt.
- 11-24-66 Blowing well
- 11-25-66 Squeezed C.H. Perfs(4636-50, 4660-67) w/200 sks. cement.
- 11-26-66 Drilled out cement after squeeze, blowing well.
- 11-27-66 Re-ran 166 jts. 2 3/8", 4.7#, J-55 tbg & 8 jts.new 2 3/8", 4.7# J-55 tbg, 5412' @ 5423'. Pin collar @ 5421'.
- 12-7-66 Date well was tested.