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TRANSPORTER	OIL	
	GAS	
OPERATOR		
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) Other (Please explain)  
New Well ☐ Change in Transporter of: ☐  
Recompletion ☒ Oil ☐ Dry Gas ☐ **See Details of Workover on Back.**  
Change in Ownership ☐ Casinghead Gas ☐ Condensate ☐

If change of ownership give name and address of previous owner \_\_\_\_\_

II. DESCRIPTION OF WELL AND LEASE

Lease Name	Lease No.	Well No.	Pool Name, Including Formation	Kind of Lease
<b>Harrington</b>	<b>(SF 080511)</b>	<b>1</b>	<b>So. Blanco Pictured Cliffs</b>	State, Federal or Fee <b>X</b>
Location				
Unit Letter	<b>M</b>	<b>990</b>	Feet From The <b>South</b> Line and <b>800</b> Feet From The <b>West</b>	
Line of Section	<b>31</b>	Township <b>27N</b>	Range <b>7W</b> , NMPM, <b>Rio Arriba</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"/>	Address (Give address to which approved copy of this form is to be sent)	
<b>El Paso Natural Gas Company</b>	<b>Box 990, Farmington, New Mexico</b>	
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)	
<b>El Paso Natural Gas Company</b>	<b>Box 990, Farmington, New Mexico</b>	
If well produces oil or liquids, give location of tanks.	Unit	Sec.
	<b>M</b>	<b>31</b>
		<b>27N</b>
		<b>7W</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	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.					
<b>W/O 2-23-66</b>	<b>3-15-66</b>	<b>2240</b>	<b>2214</b>					
Elevations (DF, RKB, RT, GR, etc.)	Name of Producing Formation	Top Gas Pay	Tubing Depth					
<b>5998'DF</b>	<b>Pictured Cliffs</b>	<b>2114 (Perf.)</b>	<b>Tubingless Comp.</b>					
Perforations						Depth Casing Shoe		
<b>2114-26, 2146-58</b>						<b>2225'</b>		
TUBING, CASING, AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE		DEPTH SET		SACKS CEMENT			
	<b>8 5/8"</b>		<b>103'</b>		<b>60 Sks.</b>			
	<b>5 1/2"</b>		<b>2103'</b>		<b>200 Sks.</b>			
<b>4 3/4"</b>	<b>2 7/8"</b>		<b>2225'</b>		<b>100 Sks.</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	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
<b>1579 MCF/D</b>	<b>3 Hours</b>		
Testing Method (pitot, back pr.)	Tubing Pressure	Casing Pressure	Choke Size
<b>Calculated A.O.F.</b>		<b>S.I. 364</b>	<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 by  
\_\_\_\_\_

Petroleum Engineer

March 23, 1966

(Signature)

(Title)

(Date)

OIL CONSERVATION COMMISSION

APPROVED **MAR 25 1966**, 19\_\_\_\_\_  
BY **Original Signed Emery C. Arnold**  
TITLE **Superior Dist. # 8**

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.

# WELL COMPLETION LOG

Form 22-5 (Rev. 2-62)

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## Harrington #1 (OWWO)

(Show details of tubular goods, bottom hole accessories, DST's, Cores, Deviations, and General Chronological History).

This well was originally drilled by M. J. Florance to a total depth of 2240'. 8 5/8", 23# surface casing was set at 103' w/60 sacks cement, 5 1/2", 16# production casing was set at 2103' w/200 sacks cement. No record of stimulation.

### WORKOVER

- 2-23-66      Rigged up Drake Well Service rig #2. Cleaning out.
- 2-24-66      Cleaned out to 2235'.
- 2-25-66      Ran 76 joints 2 7/8", 6.4#, N-80 casing set at 2225', bradenhead measurement. Cemented w/100 sacks Class "C" cement, 2% gel, 1/4 cu. ft. Strata-Crete "6"/sk. Spotted 100 gallons 7.5% MSA w/displacement. Rigged down.
- 3-4-66      Tested casing to 4000#, O. K. Perforated intervals 2114-26, 2146-58' w/18 shots/zone. Fractured w/23,000# 20/40 sand, 24,574 gal. water w/5# J-133/1000 gal., and 1% calcium chloride. Max. pr. 4000#, BDP 3100#, tr. pr. 3100-3500#. Dropped 1 set of 18 balls, flushed w/546 gallons water. I.R. 17.5 BPM. ISIP 900#, 5 Min. SIP 400#.
- 3-15-66      Date well was tested.