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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
 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
 Other (Please explain) **See Details on Back**

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

II. DESCRIPTION OF WELL AND LEASE

Lease Name Hughes	Well No. 3(OWO)	Pool Name, including Formation Blanco Mesa Verde	Kind of Lease State, Federal or Fee SF	Lease No. 078046
Location Unit Letter B ; 970 Feet From The North Line and 1780 Feet From The East Line of Section 20 Township R29N Range 8W , NMPM, San Juan 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"/> El Paso Natural Gas Company	Address (Give address to which approved copy of this form is to be sent) Box 990, Farmington, New Mexico			
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input checked="" type="checkbox"/> El Paso Natural Gas Company	Address (Give address to which approved copy of this form is to be sent) Box 990, Farmington, New Mexico			
If well produces oil or liquids, give location of tanks.	Unit B	Sec. 20	Twp. 29N	Rge. 8W
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.
		X		X			X	
Date Spudded N/O 11-13-67	Date Compl. Ready to Prod. 11-30-67	Total Depth 5525'		P.B.T.D. 5490'				
Elevations (DI, RKB, RT, GR, etc.) 6458' GL	Name of Producing Formation Mesa Verde	Top Gas Pay 4678'		Tubing Depth 5443'				
Perforations 4678-88, 4720-28, 4738-46, 4796-4800, 4810-18; 5304-12, 5322-34, 5352-62, 5374-82, 5402-10, 5452-56, 5476-84				Depth Casing Shoe 5525'				
TUBING, CASING, AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE		DEPTH SET		SACKS CEMENT			
19"	10 3/4"		163'		190 Sks.			
8 3/4"	7"		4592'		250 Sks.			
6 1/4"	4 1/2"		5525'		125 Sks.			
	2 3/8"		5443'		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 12,728	Length of Test 3 Hours	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (pitot, back pr.) Calculated A.OFR	Tubing Pressure (shut-in) 598	Casing Pressure (shut-in) 820	Choke Size 3/4"

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
Carl E. Matthews

Petroleum Engineer

(Signature)

December 6, 1967

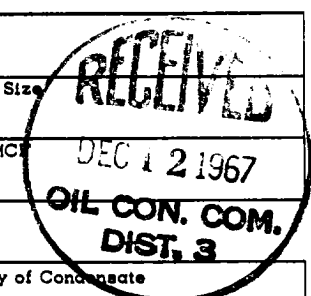
(Title)

(Date)

OIL CONSERVATION COMMISSION

APPROVED DEC 7 1967, 19
BY Original Signed by Emery C. Arnold
TITLE SUPERVISOR DIST. #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.



WORKOVER

- 11-13-67 Rigged up Dwinell Bros. rig #1, pulled tubing (172 joints - 5373'). Set cement retainer at 4465', squeezed open hole w/200 sacks cement, tested casing to 1000 $\frac{1}{2}$ O. K.
- 11-14-67 Perf. 2 squeeze holes at 2155', set cement retainer at 2093', squeezed 7" annulus through perfs w/125 sacks cement. W.O.C. 12 hours, drilled cement to 2155', tested perfs w/200 $\frac{1}{2}$ O. K.
- 11-15-67 Cleaned out to 4602'. Drilling sidetrack hole from 4602', 1/4° at 4602', 5° at 462
- 11-16-67 Drilling w/gas. 4° at 4696', 4° at 4757'.
- 11-17-67 Drilling w/gas. 4° at 5248'.
- 11-18-67 Reached total depth of 5525', 3 1/4° at 5525'. Logged well and ran 170 joints 4 1/2", 10.5 $\frac{1}{2}$ ", J-55 casing (5515') set at 5525' w/125 sacks cement.
- 11-19-67 p.b.t.d. 5490', tested casing to 4000 $\frac{1}{2}$ O. K. Perf. 5304-12', 5322-34', 5352-62', 5374-82', 5402-10', 5452-56', 5476-84' w/16 SPZ. Frac w/57,000 $\frac{1}{2}$ 20/40 sand, 56,810 gal. water. Max. pr. 4000 $\frac{1}{2}$, BDP 1500 $\frac{1}{2}$, tr. pr. 1800-1800-2100 $\frac{1}{2}$. I.R. 71 BPM. Dropped 6 sets of 16 balls each, flushed w/4000 gal. water. ISIP vacuum. Set BP @ 4850' tested w/4000 $\frac{1}{2}$ O. K. Perf. 4678-88', 4720-28', 4738-46', 4796-4800', 4810-18', w/16 SPZ. Frac w/42,000 $\frac{1}{2}$ 20/40 sand, 44,000 gal. water. Max. pr. 4000 $\frac{1}{2}$, BDP 1000 $\frac{1}{2}$, tr. pr. 2200-2400-3600 $\frac{1}{2}$. I.R. 55 BPM. Dropped 4 sets of 16 balls each, flushed w/3500 gal. water. ISIP 600 $\frac{1}{2}$, 5 Min. vacuum.
- 11-20-67 Drilling bridge plug, blew well.
- 11-21-67 Ran 174 joints 2 3/8", 4.7 $\frac{1}{2}$ ", J-55 tubing (5433') set at 5443', pin collar and nipple on bottom.
- 11-30-67 Date well was tested.