

SANTA FE	1	1
FILE	1	1
U.S.G.S.		
LAND OFFICE		
TRANSPORTER	OIL	1
	GAS	1
OPERATOR		2
PRORATION OFFICE		

REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Supersedes Old C-104 and C-110
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"/>
See Workover Details on Back	

If change of ownership give name
and address of previous owner

II. DESCRIPTION OF WELL AND LEASE

Lease Name Howell M	Well No. 1	Pool Name, Including Formation Blanco Mesa Verde	Kind of Lease State, Federal or Fee	Lease No. NM 012708
Location Unit Letter M ; 990 Feet From The South Line and 990 Feet From The West Line of Section 30 Township 30N 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 M	Sec. 30	Twp. 30N	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 W/O 8-23-67	Date Compl. Ready to Prod. W/O 9-11-67	Total Depth 4819'	P.B.T.D. 4803'					
Elevations (DF, RKB, RT, GR, etc.) 5753' GL	Name of Producing Formation Mesa Verde	Top Gas Pay 4150'	Tubing Depth 4705'					
Perforations 4150-54, 4166-70, 4181-85, 4196-4200, 4646-50, 4660-72, 4682-86, 4710-22, 4742-54, 4784-88						Depth Casing Shoe 4819'		
TUBING, CASING, AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT					
13 3/4"	9 5/8"	173'	X 125 Sks.					
8 3/4"	7"	4022'	300 Sks.					
6 1/4"	4 1/2"	4819'	115 Sks.					
	2 3/8"	4705'	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 12,756	Length of Test 3 Hours	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (pilot, back pr.) Calculated A.O.F.	Tubing Pressure (shut-in) 929	Casing Pressure (shut-in) 930	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

September 20, 1967

OIL CONSERVATION COMMISSION

APPROVED SEP 22 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

- 8-23-67 Rigged up Dwinell Bros. rig #1.
- 8-24-67 Pulled tubing, set cement retainer at 3426', tested casing to 1200# O. K. Squeezed open hole w/200 sacks of cement. Perf. 3 squeeze holes at 1465', set cement retainer at 1407', squeezed through perfs w/125 sacks of cement. Tested perfs w/800# O. K.
- 8-25-67 Drilling sidetrack hole w/gas from 4050'. 0° at 4050', 4° at 4065'.
- 8-26-67 Drilling, 4 1/2° at 4105', 5° at 4151'.
- 8-27-67 Reached total depth of 4819'. 1 1/4" at 4652', 2° at 4819'.
- 8-28-67 Ran 153 joints 4 1/2", 10.5#, J-55 casing (4809') set at 4819' w/115 sacks of cement.
- 8-29-67 P.B.T.D. 4803', tested casing to 4000# O. K. Perf. 4646-50', 4660-72' w/16 SPZ. Would not break down at 5000#. Spotted 250 gallons 15% HCL, BD @ 4800#. Perf. 4682-86', 4710-22', 4742-54', 4784-88' w/16 SPZ. Frac w/65,000# 20/40 sand, 64,010 gal. water, tr. pr. 1850-1950-2050-2100-3400#. I.R. 60 BPM. Dropped 5 sets of 16 balls each, flushed w/3200 gal. water. ISIP -0-, 5 Min. -0-. Set BP @ 4258', tested w/3000# O.K. Perf. 4150-54', 4166-70', 4181-85', 4196-4200' w/16 SPZ. Frac w/34,000# 20/40 sand, 34,000 gal. water. BDP 1550#, tr. pr. 2200-2400-2600-2500#. I.R. 54 BPM. Dropped 3 sets of 16 balls each, flushed w/2800 gal. water. ISIP 600#, 5 Min. 200#.
- 8-30-67 Blew well and cleaned out to 4803'.
- 8-31-67 Ran 153 joints 2 3/8", 4.7#, J-55 tubing (4695') set at 4705' w/pin collar and nipple on bottom.
- 9-11-67 Date well was tested.