

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

NO. OF COPIES RECEIVED	6
DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
TRANSPORTER	OIL
	GAS
OPERATOR	
PRORATION OFFICE	

I. Operator
El Paso Natural Gas Company

Address
Box 990, Farmington, New Mexico - 87401

Reason(s) for filing (Check proper box)

New Well	<input checked="" type="checkbox"/>	Change in Transporter of:		Other (Please explain)
Recompletion	<input checked="" type="checkbox"/>	Oil	<input type="checkbox"/>	See Back for Details
Change in Ownership	<input type="checkbox"/>	Casinghead Gas	<input type="checkbox"/>	
		Dry Gas	<input type="checkbox"/>	
		Condensate	<input type="checkbox"/>	

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

II. DESCRIPTION OF WELL AND LEASE

Lease Name Howell C	Well No. 1	Pool Name, Including Formation Blanco Mesa Verde	Kind of Lease State, Federal or Fee SE	Lease No. 078596
Location Unit Letter B ; 990 Feet From The North Line and 1650 Feet From The East Line of Section 1 Township 29N 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. 1
	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'tv.	Diff. Res'tv.
		X		X			X	
Date Spudded W/O 9-23-67	Date Compl. Ready to Prod. W/O 10-10-67	Total Depth 5233'	P.B.T.D. 5201'					
Elevations (DF, RKB, RT, GR, etc.) 6083' GL	Name of Producing Formation Mesa Verde	Top of Gas Pay 4599'	Tubing Depth 5135'					
Perforations 4599-4607 4607, 4625-33, 4677-83, 4694-4700'. 5055-67, 5077-83, 5095-5101, 5111-15, 5148-52, 5186-90			Depth Casing Shoe 5233'					
TUBING, CASING, AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT					
17 1/4"	13 3/8" 13 3/8"	303'	200 Sks.					
8 3/4"	7"	4510'	300 Sks.					
6 1/4"	4 1/2"	5233'	110 Sks.					
	2 3/8"	5135'	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 greater than 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 10,245 MCF/D	Length of Test 3 Hours	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (pitot, back pr.) Calculated A.O.F.	Tubing Pressure (shut-in) 870	Casing Pressure (shut-in) 873	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 **F. H. WOOD**

Petroleum Engineer

October 17, 1967

OIL CONSERVATION COMMISSION

APPROVED **OCT 20 1967**, 19 _____

Original Signed by **Emery C. Arnold**

BY _____
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.

WELL COMPLETION LOG

Form 22-5 (Rev. 2-62)

Howell C #1 (OWWO)

Page 2

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

JOINTS ON BOTTOM

WORKOVER

- 9-23-67 Rigged up Dwinell Bros. rig #1, pulled on stuck tubing.
- 9-24-67 Cut stuck tubing at 4655', pulled tubing, set cement retainer at 4400', tested 7" casing to 1000' O. K. Squeezed open hole w/175 sacks of cement. Perf. squeeze holes in 7" casing at 1965'. Set cement retainer at 1910', squeezed thru perfs w/125 sacks of cement. W.O.C. 12 hours. Drilled cement, tested perfs w/800' O. K.
- 9-25-67 Drilling sidetrack hole from 4520' w/gas. 1/2° at 4520', 5° at 4536'.
- 9-26-67 Drilling, 4° at 4562', 4 1/2° at 4623'.
- 9-27-67 Reached total depth of 5233', 2 1/2° at 5233'. Ran 165 joints 4 1/2", 10.5#, J-55 casing (5223') set at 5233' w/110 sacks of cement.
- 9-28-67 W.O.C. & ran temperature log.
- 9-29-67 P.B.T.D. 5201'. Tested casing to 4000' O. K. Perf. 5055-67', 5077-83', 5095-5101', 5111-15', 5148-52', 5186-90' w/16 SPZ. Frac w/49,000# 20/40 sand, 53,150 gal. water. Max. pr. 4000#, BDP 3400#, tr. pr. 1600-1750-1900#. I.R. 70 BPM. Dropped 3 sets of 16 balls and 1 set of 32 balls, flushed w/3500 gal. water. ISIP -0-. Set BP @ 4800', tested w/3000# O. K. Perf. 4599-4607', 4625-33', 4677-83', 4694-4700' w/16 SPZ. Frac w/35,000# 20/40 sand, 35,500 gal. water. Max. pr. 4000#, BDP 650#, tr. pr. 2100-2350-3000#. I.R. 54 BPM. Dropped 3 sets of 16 balls each, flushed w/3300 gal. water. ISIP 100#, 5 Min. -0-
- 9-30-67 Blew well and ran 164 joints 2 3/8", 4.7#, J-55 tubing (5125') landed at 5135', w/pin collar and nipple on bottom.
- 10-10-67 Date well was tested.