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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 <input type="checkbox"/>	Change in Transporter of: <input type="checkbox"/>
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"/>
Other (Please explain) See Back for Details	

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

II. DESCRIPTION OF WELL AND LEASE

Lease Name Mudge	Lease No. (SF 078040)	Well No. 2	Pool Name, including Formation Blanco Mesa Verde	Kind of Lease State, Federal or Fee <input checked="" type="checkbox"/>
Location				
Unit Letter A	660	Feet From The North	Line and 660	Feet From The East
Line of Section 10	Township 31N	Range 11W	, 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"/>	Address (Give address to which approved copy of this form is to be sent) El Paso Natural Gas Company Box 990, Farmington, New Mexico					
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) El Paso Natural Gas Company Box 990, Farmington, New Mexico					
If well produces oil or liquids, give location of tanks.	Unit A	Sec. 10	Twp. 31N	Rge. 11W	Is gas actually connected? <input type="checkbox"/>	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 <input type="checkbox"/>	Gas Well <input checked="" type="checkbox"/>	New Well <input type="checkbox"/>	Workover <input checked="" type="checkbox"/>	Deepen <input type="checkbox"/>	Plug Back <input type="checkbox"/>	Same Res'v. <input checked="" type="checkbox"/>	Diff. Res'v. <input type="checkbox"/>
Date Spudded W/O 5-11-66	Date Compl. Ready to Prod. 6-1-66	Total Depth Whipstock 5256'		P.B.T.D. C.O. 5216'					
Elevations (DF, RKB, RT, GR, etc.) 5980' GL	Name of Producing Formation Mesa Verde		Top Oil/Gas Pay 4297		Tubing Depth 5001'				
Perforations 4297-4303, 4312-20, 4380-86, 4398-4414, 4424-30, 4886-4902, 4935-44, 4956-68, 4978-84, 4998-5004		Depth Casing Shoe 5256'							
TUBING, CASING, AND CEMENTING RECORD									
HOLE SIZE	CASING & TUBING SIZE		DEPTH SET		SACKS CEMENT				
17 1/4"	13 3/8"		104'		100 Sks.				
9"	7"		4880'		100 Sks.				
6 1/8"	4 1/2"		5256'		160 Sks.				
	2 3/8"		5001'		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 10,236 MCF/D	Length of Test 3 Hours	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (pitot, back pr.) Calculated A.O.F.	Tubing Pressure SI 733	Casing Pressure SI 891	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
(Signature)

Petroleum Engineer

June 8, 1966

(Title)

(Date)

OIL CONSERVATION COMMISSION

APPROVED **JUN 13 1966**, 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.

WOLKOWICZ

- 11-11-66 Rigged up Dwinella Bros. rig #2, pulled tubing (tubing originally cut off at 3511' on 11-28-61). Ran junk basket and gauge ring to 3432'; ran casing inspection log (3350-400').
- 11-12-66 Perf. 1 w/ squeeze holes (3420-344'), squeezed perf's w/150 sacks Class "A" cement, 2% calcium chloride. Perf. 2 squeeze holes at 2250', set retainer at 3315' and 2150', squeezed perf's w/150 sacks class "A" cement, 2% gel. Set packer at 3360', held 1000#. Located hole in 7" casing at 170', circulated through bithead. Squeezed through hole at 170' w/115 sacks regular cement, 3% calcium chloride, circulated out 10 sacks - no pressure.
- 11-13-66 Trouble occurred again in holes at 170'. Re-squeezed w/150 sacks regular cement, 3% calcium chloride, 1/8 cu. ft. Gilsomite/sk. Pumped in at 500# on final displacement. Drilled out cement to 191' and tested w/500#, held O. K.
- 11-14-66 Drilled out cement to 3400'. Set Bowen whipstock at 3400', cut window in 7" (3379-3395').
- 11-15-66 Whipstock turned, could not get back through window. Pulled whipstock.
- 11-16-66 Set cement retainer at 3286', squeezed window (3379-3395') w/150 sacks regular cement, 3% calcium chloride, staged to 2000#. W.O.C. 12 hours.
- 11-17-66 Drilled cement and retainer, cleaned out to 3347'. Set whipstock at 3347', cut window in 7" casing (3329-3334').
- 11-18-66 Drilling whipstock hole w/gal. 1 1/4" @ 3330', 2" @ 3370', 2" @ 3430', 2 1/2" @ 3490', 2 1/4" at 3600', 1 3/4" at 3634'.
- 11-19-66 Drilling, 1 1/2" @ 4152'.
- 11-20-66 Drilling, 1" @ 4600', 1" at 5149'. Reached total depth at 5256'.
- 11-21-66 Logged well and ran 158 joints 4 1/2", 10.5#, J-55 casing (5245.85') set at 5255.85' w/160 sacks Class "A" cement, 1/4 cu. ft. fine Gilsomite/sk., 4% gel. Top of cement by B & R at 3050'.
- 11-22-66 On 11-22-66, tested casing to 4000# O. K. Perf. Point Lookout 4886-4902' w/18 holes; 4956-68' w/18 holes; 4976-84' w/3 SPT; 4998-5004' w/3 SPT. 40,000 gallons water w/2# FR-2/1000 gal., 43,000# 20/40 sand. Max. pr. 4000#, BDP 2200#, ur. pr. 1800-2400-4000#. I.R. 35 BPM. Flushed w/3570 gallons of water. Dropped 4 sets of 18 balls each. ISIP - vacuum. Set bridge plug at 4450'.
- Tested casing to 4000# O. K. Perf. Cliff House 4297-4303' w/3 SPT; 4312-20' w/3 SPT; 4380-86' w/3 SPT; 4398-4414' w/18 holes; 4424-30' w/3 SPT, frac w/40,000 gallons of water w/2# FR-2/1000 gal., 40,000# 20/40 sand, max. pr. 4000# BDP 1200#, ur. pr. 2000-4000#, I.R. 43 BPM, flushed w/2940 gal. water. Dropped 4 sets of 18 balls each. ISIP 600#, 5 Min. SIP -0-.
- 11-23-66 Blowing well. Drilled bridge plug at 4450'.
- 11-24-66 Cleaned out 4 sets of 18 balls each. Logged full well and 58 joints of Class "A", total of non-joints 3/8", 4.4" (5000.73') landed at 5000.73', pin collar and open end cut off on bottom.
- 11-25-66 Date well was tested.