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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

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 Back for Workover Details	

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

Lease Name Kernaghan		Well No. 1	Pool Name, Including Formation Blanco Mesa Verde	Kind of Lease State, Federal or Fee ☒
Location				
Unit Letter	N	990	Feet From The South Line and 1650	Feet From The West
Line or Section	33	Township 31N	Range 8W	NMPM, San Juan County

Name of Authorized Transporter of Oil ☐ or Condensate ☒ 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 ☐ or Dry Gas ☒ 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 N	Sec. 33	Twp. 31N	Rge. 8W	Is gas actually connected?	When			

If this production is commingled with that from any other lease or pool, give commingling order number: _____

Designate Type of Completion - (X)		Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v.	Diff. Res'v.
			☒		☒			☒	
Date Spudded W/O 8-10-65	Date Compl. Ready to Prod. W/O 8-17-65	Total Depth 5636		P.B.T.D. CO 5595					
Pool Blanco Mesa Verde	Name of Producing Formation Mesa Verde	Top 8W Gas Pay 5116		Tubing Depth 5534					
Perforations 5116-20, 5130-34, 5144-52, 5490-98, 5530-34, 5554-58, 5579-87		Depth Casing Shoe 5600'							
TUBING, CASING, AND CEMENTING RECORD									
HOLE SIZE	CASING & TUBING SIZE		DEPTH SET		SACKS CEMENT				
13 3/4"	9 5/8"		173'		125 Sks.				
8 3/4"	7"		4980'		500 Sks.				
6 1/4"	4 1/2"		5600'		180 Sks.				
	2 3/8"		5534'		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 6759 MCF/D	Length of Test 3 Hours
Testing Method (pitot, back pr.) Calculated A.O.F.	Tubing Pressure 816
	Casing Pressure 816
	Choke Size 3/4"

VI. CERTIFICATE OF COMPLIANCE		OIL CONSERVATION COMMISSION	
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.		APPROVED SEP 9 1965 , 19	
OR G'NAL SIGNED E. S. OBERLY		BY Original Signed Emery C. Arnold	
(Signature)		TITLE Supervisor Dist. # 8	
Petroleum Engineer		This form is to be filed in compliance with RULE 1104.	
September 7, 1965		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.	
(Title)		All sections of this form must be filled out completely for allowable on new and recompleted wells.	
(Date)		Fill out Sections I, II, III, and VI only 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.	

8-10-65 Pulled tubing
 8-11-65 Set bridge plug @ 4890', tested 7" casing w/1000# O. K. Perforated 2 squeeze holes at 2175', set cement retainer at 2011', squeezed w/100 sacks regular cement, 2% calcium chloride, squeezed 80 sks. to 7" annulus, final squeeze pressure 800#, left 85' of cement in casing.
 8-12-65 Drilled out retainer, cement and bridge plug, cleaned out to 5634'.
 8-13-65 Ran 171 joints 4 1/2", 10.5#, J-55 casing (5589.60') set at 5599.60' w/180 sacks regular cement, 4% gel, 1/4 cu. ft. Strata-crete/sk. Ran temperature survey, top of cement at 5125', perforated 2 squeeze holes at 5118'. 7" - 4 1/2" did not blow. Water level fell inside 4".
 8-14-65 Set cement retainer at 5100', pumped down tubing at 4 BPM at 1000#. Pressure to zero on shut down. Displaced 30 sacks class "A" cement w/2% calcium chloride to 7" - 4 1/2" annulus, final pressure 1500#. Tested casing w/3500# O. K. Perforated Point Lookout 5490-98' w/2 SFF; 5530-34' w/4 SFF; 5554-58' w/4 SFF; 5579-87' w/2 SFF; traced w/50,000# 20/40 sand and 50,240 gallons water, 2# FR-8/1000 gallons. Flush 4000 gallons. I.R. 50 RPM. Max. pr. 3500#, RDP none, tr. pr. 2600-2800-2100-2500#. Dropped 3 sets of 16 balls each. ISIP 0#. Set 60 magnesium bridge plug at 5300'. Tested w/3500# O. K. Perforated Cliff House 5116-20, 5130-34' w/4 SFF; 5144-52' w/2 SFF, traced w/30,000# sand and 29,300 gallons water, 2# FR-8/1000 gallons. Max. pr. 3500#, RDP 0#, tr. pr. 2700-3900-3300#. Dropped 2 sets of 16 balls each. Flush 600 gallons. I.R. 40 RPM.
 8-16-65 Drilling on bridge plug at 5300', pushed bridge plug to 5580', stuck bit below perfs. Ran free point, cut tubing at 5540'.
 8-17-65 Went in w/washover pipe, washed over fish to 5595', top of fish at 5555'; consisting of 3 7/8" bit, and bit sub 2 1/2' long, one full joint of 2 3/8" tubing 28' long and cut off joint of 2 3/8" tubing 9 1/3' long. Ran 198 joints 2 3/8", 4.7#, J-55 tubing (5525.74') landed at 5533.74'. Perfs. at 5531', S. N. at 5530'.
 8-25-65 Date well was tested.