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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)	Other (Please explain)
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"/>
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.	Well No. 3	Pool Name, Including Formation Blanco Mesa Verde	Kind of Lease State, Federal or Fee
Location				
Unit Letter M	890	Feet From The South	Line and 790	Feet From The West
Line of Section 9	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 M	Sec. 9	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	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'tv.	Diff. Res'tv.
		X		X			X	
Date Spudded W/O 5-24-66	Date Compl. Ready to Prod. W/O 6-13-66		Total Depth Sidetrack 5291		P.B.T.D. 5253			
Elevations (DF, RKB, RT, GR, etc.) 6070' GL	Name of Producing Formation Mesa Verde		Top Oil/Gas Pay 4959		Tubing Depth 5234			
Perforations 4959-67, 4988-96, 5018-26, 5036-44, 5083-87, 5124-32, 5236-40					Depth Casing Shoe 5291			
TUBING, CASING, AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE		DEPTH SET		SACKS CEMENT			
13 3/4"	10 3/4"		107'		100 sks.			
9 7/8"	7 5/8"		4323'		200 sks.			
6 1/4"	4 1/2"		5291'		135 sks.			
	2 3/8"		5234'		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 9,091 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 749	Casing Pressure SI 864	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

(Title)

June 27, 1966

(Date)

OIL CONSERVATION COMMISSION

APPROVED **JUN 30 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.

WORKOVER

- 5-25-66 Set Baker Model "K" Mag. Cement Retainer @ 4210'; Loaded back side & tested to 1000#; Squeezed open hole w/200 sks. reg. 1/4 cu. ft. fine Gilsomite followed w/100 sacks regl, 15% sand, 2% calcium chloride. Staged to 3000# in 30 min. Perf'd 2 squeeze holes @ 1300'. Fluid in casing; On vacuum after perf., set Baker Full Bore packer @ 1210'. Squeezed perfs w/100 sacks class "A", 3% calcium chloride. Cement fell & cleared perfs after 1 1/2 hours. Resqueezed w/50 sacks class "A", 3% calcium chloride. Staged for 2 hrs. Standing pressure of 650#; Held press. on tool for 4 hrs. Released tool;
- 5-26-66 Drilled cement and cleaned out to 4315'. Sidetracked from 4315' to 4335' w/4 3/4" knuckle joint.
- 5-27-66 Drilling sidetrack hole w/gas. 1° @ 4300', 3 3/4° @ 4329', 5 3/4° @ 436-'.
5-28-66 Drilling, 5 1/4° @ 4855', 4° @ 5252'.
- 5-29-66 Sidetrack T. D. 5291'. Ran 159 joints 4 1/2", 10.5#, J-55 casing, 5280.88' set at 5290.88' w/135 sacks class "A" cement, 4% gel, 1/4 cu. ft. fine gilsomite/sk., preceded cement w/20 bbls. gel water. Top cement by B & R at 3325'.
- 5-30-66 Pressured up on casing to 3000#, pumped out bottom of 4 1/2" casing. Set permanent type CI B.P. at 5252'. tested w/4000#, O.K.
- 5-31-66 Cleaned out to 5255', tested casing to 3000#, pumped out bottom of 4 1/2" casing, set permanent type B.P. at 5253', tested w/4000#, held O.K. Perf Lower Point Lookout 5083-87 w/4 SPF, 5124-32 w/2 SPF, 5236-40 w/4 SPF. Frac w/12,000# 20/40 sand, 15,110 gallons water w/2 1/2# FR-8/1000 gallons. Max pr 4000#, BD pump in tr pr 1800-2200-2900#, Flushed w/3,990 gallons water. IR 55 BPM, Dropped 2 sets of 16 balls each. ISIP vacuum. Set B.P. at 5060', Perf Upper Point Lookout 4959-67, 4988-96; 5018-26, 5036-44 w/2 SPF. Frac w/34,000# 20/40 sand, 36,000 gallons water w/2 1/2# FR-8/1000 gallons. Max pr 4000#, BD pump in, tr pr 1800-1900-2300#. Flushed w/3040 gallons water. IR 65 BPM, Dropped 3 sets of 16 balls each. ISIP vacuum. Set B.P. at 4480'. Perf Cliff House 4410-20, 4434-38, 4452-56 w/4 SPF, Frac w/18,000# 20/40 sand, 20,970 gal. wtr. w/2 1/2# FR-8/1000 gal. Max pr 4000#, BDP 2700#, tr pr 2200-2470-2800#, Flushed w/3220 gal. wtr. I.R. 47 BPM. Dropped 2 sets of 16 balls each, ISIP 900#, 5 min SIP 500#.
- 6-1-66 Set cement retainer at 4290, Squeezed Cliff House 4416-20, 4434-38, 4452-56 w/200 sks. class "A" cement, 2% calcium chloride. Dropped 2 sets of 16 balls each. pressure 1500-2500#, squeezed displacement to 4000#. Reversed out 12 bbls. slurry. Tested ~~W/K~~ w/500#, held O.K.
- 6-2-66 Cleaning out, drilled retainer at 4290'. and plug at 4480'. Blowing well.
- 6-3-66 Cleaned out and drilled plug at 5060', blew well to 5253'.
- 6-4-66 Ran 168 joints 2 3/8", 4.7# J-55 tubing, 5224.16' landed at 5234.16', w/pin collar at 5233', and opened bottom assembly. pumped out plug, released rig.
- 6-13-66 Date well was tested.