WORKOVER

4-19-66 Rigged up Dwinell Bros. rig #1. Cut stuck tubing off w/chemical cutter at 4935', left 515' of 2 3/8" tubing in open hole.

4-20-66 Set cement retainer at 4715', tested 7" casing to 1200# O. K. Squeezed open hole w/200 sacks regular cement, 1/2 cu. ft. Strata-Crete "6"/sk., 6% gel and 100 sacks regular cement w/15% sand and 2% calcium chloride. Perforated 2 squeeze holes at 2600', set packer at 2[illegible]8', squeezed thru perfs at 2600' w/100 sacks regular cement, 2% calcium chloride. Drilled out cement, pumped in at 500#.

4-21-66 Re-squeezed thru perfs at 2600' w/100 sacks regular cement, 2% calcium chloride, staged to 1500#. Drilled out cement and tested squeeze holes at 2600' w/500#, held O. K.

4-22-66 Drilled cement out to 4833', 1° at 4833', drilled 4 3/4" side-track hole from 4833' to 4850' w/corehead, opened hole to 6 1/4" w/hole opener. 5 1/4° at 4850'.

4-23-66 Drilling w/gas. 6° at 4882', 5 3/4° at 4953'.

4-24-66 Drilling, 2 1/2° at 5450', reached total depth of 5669', ran logs.

4-25-66 Ran 176 joints 4 1/2", 10.5#, J-55 casing (5659') set at 5669' w/140 sacks regular cement, 1/4 cu. ft. Gilsonite/sk., 4% gel.

4-26-66 Tested casing to 4000#, loaded hole w/treated water, perforated Lower Point Lookout 5490-94, 5516-20, 5569-73, 5585-89' w/4 SPF, frac w/16,000# 20/40 sand, 16,000 gal. water w/2 1/2# FR-8/1000 gal. water and 1/2 gal. Morflo/1000 gal. water, flushed w/4700 gal. water. I.R. 46 BPM. Max. pr. 4000#, BDP 2400#, tr. pr. 1600-2650-3950#. Dropped 3 sets of 16 balls each. ISIP - vacuum. Set bridge plug at 5478', tested casing and bridge plug to 4000#. Perf. Upper Point Lookout 5397-5402' w/4 SPF; 5430-40, 5448-58' w/2 SPF, frac w/30,000# 20/40 sand, 31,340 gal. water w/2 1/2# FR-8/1000 gal. Flushed w/3600 gal. water. I.R. 66 BPM. Max. pr. 4000#, BDP -0-, tr. pr. 1800-1950-2000#. Dropped 2 sets of 20 balls each. ISIP vacuum. Set bridge plug at 5030', tested casing and bridge plug to 3500#. Perf. Cliff House 4931-36, 4945-50, 4978-83' w/4 SPF; 5002-12' w/2 SPF, frac w/32,000# 20/40 sand, 28,900 gal. water w/2 1/2# FR-8/1000 gal., flushed w/3990 gal. water. I.R. 53 BPM, max. pr. 4000#, BDP 1800#, tr. pr. 1900-2300-2600#. Dropped 3 sets of 20 balls. ISIP 300# to -0-.

4-27-66 Blowing well, drilled bridge plug at 5030'.

4-28-66 Blowing well, drilled bridge plug at 5478'.

4-29-66 Cleaned out to 5643', ran 203 joints 2 3/8", 4.7#, J-55 tubing (5583.85') landed at 5593.85', open ended and pin collar on bottom.

5-9-66 Date well was tested.

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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 ☐
Recompletion ☒
Change in Ownership ☐

Change in Transporter of:
Oil ☐ Dry Gas ☐
Casinghead Gas ☐ Condensate ☐

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	Lease No.	Well No.	Pool Name, Including Formation	Kind of Lease
Barnes	**(SF 078039)**	**4**	**Blanco Mesa Verde**	State, Federal or Fee **X**

Location
Unit Letter **A** ; **969** Feet From The **North** Line and **1009** Feet From The **East**

Line of Section **26** Township **32N** Range **11W** , NMPM, **San Juan** County

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil ☐ or Condensate ☒	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 ☐ or Dry Gas ☒	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	Sec.	Twp.	Rge.	Is gas actually connected?	When
	A	**26**	**32N**	**11W**		

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	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.
7-12-53 W/O 4-19-66	**8-2-53 W/O 5-9-66**	**5669 (Sidetrack)**	**C.O. 5643'**
Elevations *(DF, RKB, RT, GR, etc.)*	Name of Producing Formation	Top ~~Oil~~/Gas Pay	Tubing Depth
6340' GL	**Mesa Verde**	**4931**	**5594**
Perforations **4931-36, 4945-50, 4978-83, 5002-12, 5397-5402, 5430-40, 5448-58, 5490-94, 5516-20, 5569-73, 5585-89**			Depth Casing Shoe **5669'**

TUBING, CASING, AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT
13 3/4"	9 5/8"	172'	125 Sks.
8 3/4"	7"	4825'	500 Sks.
6 1/4"	4 1/2"	5669'	140 Sks.
	2 3/8"	5594'	Tubing

V. TEST DATA AND REQUEST FOR ALLOWABLE *(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)*

OIL WELL

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	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
9061	**3 Hours**		
Testing Method *(pitot, back pr.)*	Tubing Pressure	Casing Pressure	Choke Size
Calculated A.O.F.	**SI 449**	**SI 846**	**3/4"**

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