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

Other *(Please explain)*
See Back for Details of Workover

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

II. DESCRIPTION OF WELL AND LEASE

Lease Name	Well No.	Pool Name, Including Formation	Kind of Lease
Hughes	**2**	**Blanco Mesa Verde**	State, Federal or Fee

Location
Unit Letter **A** ; **990** Feet From The **North** Line and **800** Feet From The **East**
Line of Section **19**, Township **29N** Range **8W**, NMPM, **San Juan** County

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil ☐ or Condensate X	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 X	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	**19**	**29N**	**8W**	**No**	

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				

Date Spudded	Date Compl. Ready to Prod.	Total Depth	~~P.B.T.D.~~
W/O 4-14-65	**4-25-65**	**5511'**	**00 5480'**

Pool	Name of Producing Formation	Top ~~Oil~~/Gas Pay	Tubing Depth
Blanco Mesa Verde	**Mesa Verde**	**4736'**	**5407'**

Perforations **4736-52, 4770-74, 4792-4800, 4826-34, 4856-72, 5352-60, 5388-96, 5408-12, 5428-36**

Depth Casing Shoe **5511**

TUBING, CASING, AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT
15"	10 3/4"	167'	150
9 7/8"	7"	4682'	250
6 1/4"	4 1/2"	5511'	150

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

RECEIVED
MAY 11 1965
OIL CON. COM.
DIST. 3

GAS WELL

Actual Prod. Test-MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
12,494 MCF/D	**3 Hrs.**		
Testing Method *(pitot, back pr.)*	Tubing Pressure	Casing Pressure	Choke Size
Calculated A.O.F.	**904**	**906**	**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 E. S. OBERLY
(Signature)

Petroleum Engineer
(Title)

May 10, 1965
(Date)

OIL CONSERVATION COMMISSION

APPROVED **MAY 11 1965**, 19 _____

BY **Original Signed 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 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.

4-14-65 Rigged up Dwinell Bros. Rig #1. Tubing would not pull, McCullough cut tubing at 4770'. Killed well w/water. Recovered 145 joints tubing (4753') Ran McCullough 7" gauge ring to 4650'.

4-15-65 Ran Baker Model "B" w/BC bottom magnesium cement retainer on tubing set at 4577', pumped into formation 4 BPM at 1000#. Squeezed open hole w/200 sks. w/1/4 cu. ft. fine Gilsonite/sk. followed w/100 sks. w/10% sand. Left cement at tool, caught 750# w/tool. Perf. 4 squeeze holes w/McCullough at 2190'. Set Baker Model "B" magnesium cement retainer at 2127' on tubing. Block squeezed 7" annulus w/100 sks. regular w/2% calcium chloride. Held 1000# above retainer. Bradenhead bull plugged so was not open during squeeze. Dropped bridging ball. Drilled 25' of good cement below retainer. Attempted to pressure to 500#, went to 0#.

4-16-65 Ran Baker Model "K" Magnesium cement retainer on DP and set at 2100'. Pumped into perfs at 800#, mostly friction. Squeezed perfs w/150 sks. regular w/2% calcium chloride, dropped bridging ball, DP on vacuum, 150-200# pumping pressure when ball bumped. W.O.C. squeeze. Drilled good cement below retainer to 2183', then out of cement at 2188'. Pressured to 300#, bled to 50# in 4 Min, 0# in 5 Min.

4-17-65 Making 1/4" to 1/2" stream water after 4 hours blowing on top of retainer at 4569'. Hole in casing 2227'-2287'. Pressured below Baker Model "C" cet at 2227', pumped in below packer, held 500# above, set at 2287' held 100# below packer. Attempted to set packer at 2175' and packer did not hold very well. Set packer at 2116' and loaded backside w/700#. S ueezed w/125 sks. cement to formation. Left 25 sks. in casing. Squeeze pressure 2000#, held 1200#. Used regular cement w/6% Halad "9" and 2% calcium chloride.

4-18-65 W.O.C. squeeze, some cement washed out of hole did not look like drilled cement. Pressure to 300#, dropped to 200# in 6 min.

4-19-65 Drilled pilot hole to 4720'. Hole unloaded some oil after trip to pick up hole opener. Reamed to 4720'.

4-20-65 Drilling whipstock hole.

4-22-65 Whipstock T. D. 5511', ran 170 joints 4 1/2", 10.5#, J-55 casing (5498.69') set at 5510.69' w/150 sks. regular w/4% gel, 1/4 cu. ft. fine Gilsonite/sk. Bumped plug w/1000#. Set slips w/52,000#. F. C. at 5480.61'.

4-23-65 Top of cement by B & R at 3040'. Ran Gamma Ray-Collar correlation log. Pressure test to 3800#, O. K. Perf. Point Lookout w/3 1/8# SDJ 5428-36 w/2 SPF; 5408-12, w/4 SPF; 5388-96 w/2 SPF; 5352-60 w/2 SPF; frac w/45,906 gal. water w/2 1/2# FR-2/1000 gal, 40,000# 20/40 sand, no BD. Dropped 3 sets of 16 balls. Pressures 1400, 1500, 1600, 2100#. Flushed w/100 bbls. water. Immediate vacuum. Avg. I.R. 60.7 BPM. Set bridge plug at 5200'. Pressured to 3000#, O. K. Perf. Cliff House 4856-72 w/1 SPF; 4826-34 w/2 SPF; 4792-4800 w/2 SPF; 4770-74 w/4 SPF; 4736-52 w/1 SPF, frac w/56,280 gal. water w/2 1/2# FR-2/1000 gal, 50,000# 20/40 sand, BDP 2000#, dropped 4 sets of 16 balls each. Pressures 2200#, 2500#, 3100#, 3600#, 3800#. Max. pr. 4200#. ISIP 500#, 5 Min. 0#. Flushed w/100 barrels water.

4-25-65 Cleaned out to bridge plug, drilled bridge plug and cleaned out to 5480'. Ran 175 joints of 2 3/8", 4.7#, J-55 tubing (5395.40') set at 5407.40'. PSI seating nipple at 5373.28'.

5-4-65 Date well was tested.