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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 [X]
Change in Ownership [ ]

Change in Transporter of:
Oil [ ] Dry Gas [ ]
Casinghead Gas [ ] Condensate [ ]

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

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
Riddle D	**3**	**Blanco Mesa Verde**	State, Federal or Fee **X**

Location
Unit Letter **L** ; **1750** Feet From The **South** Line and **890** Feet From The **West**

Line of Section **22**, Township **31N** Range **9W**, 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
	L	**22**	**31N**	**9W**	**Yes**	

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.
W/O 8-27-65	**W/O 9-7-65**	**Whipstock 5464**	**C.O. 5430'**
Pool	**Name of Producing Formation**	**Top ~~Oil~~/Gas Pay**	**Tubing Depth**
Blanco Mesa Verde	**Mesa Verde**	**4914**	**5429**
Perforations			**Depth Casing Shoe**
4914-24, 4938-48, 4960-70, 5308-18, 5335-45, 5384-94			**5464**

TUBING, CASING, AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT
	9 5/8"	**250'**	**150 Sks.**
8 3/4"	**7"**	**4826'**	**300 Sks.**
6 1/8"	**4 1/2"**	**5464'**	**150 Sks.**
	2 3/8"	**5429'**	**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
1166	**3 Hours**		
Testing Method *(pitot, back pr.)*	**Tubing Pressure**	**Casing Pressure**	**Choke Size**
Cal. Orfice meter Reading	**SIPT 642**	**SIPC 695**	**3/4"**

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OCT 28 1965
OIL CON. COM.
DIST. 3

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)

October 21, 1965
(Date)

OIL CONSERVATION COMMISSION

APPROVED **OCT 28 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.

8-27-65	Tubing parted w/60,000#, moved some before parting. Pulled 39 stands, approximately 2450', top of fish at 2481'. Caught fish w/overshot, could go through top of fish, but B & R choke pulled (1 25/32" OD) stopped at 3890'. 1 1/2" B U R tool stopped at 3890'.
8-28-65	Cut tubing at 3850' and pulled 43 joints of fish. Caught rest of fish w/overshot and tubing pulled free. Set cement retainer at 4728', squeezed open hole w/200 sacks Class "A" cement w/1/4 cu. ft. Fine Gilsonite/sk. pressured to 3500#. Had 100 sacks w/10% sand and 2% calcium chloride mixed, had to circulate out. Tested casing (7") to 1500#. Perforated 2 squeeze holes at 2755', set cement retainer at 2621',squeezed 7" annulus w/100 sacks Class "A" cement, w/2% calcium chloride, final squeeze pressure 500#, left 65' cement in casing.
8-29-65	Drilled out cement and retainer at 2621', hole making mud and gas, top perfs at 2755' leaking. Drilled bottom retainer at 4728' and loaded hole. Started in hole w/cement retainer, could not keep hole dead.
8-30-65	Set cement retainer at 2620', held 1200# on backside, pumped in at 2 BPM at 1700# down drill pipe. Re-squeezed perfs at 2755' w/150 sacks Class "A" cement w/3% calcium chloride, ~~fkm~~ final squeeze pressure 2000#, left 65' of cement, top at 2690'.
8-31-65	Drilled out cement and retainer at 2620'. Dressed top of cement to 4838'. Went in hole w/knuckle joint and corehead, whipstocked to 4853', 5° at 4853'. Reamed out whipstock hole.
9-1-65	Drilling whipstock hole w/gas - 5° at 4880'.
9-2-65	Drilling - 2° at 5144'.
9-3-65	Whipstock total depth 5464', ran 161 joints 4 1/2", 10.5#, J-55 casing (5454') set at 5464'. Cemented first stage w/35 sacks Class "A", 2% gel, 1/4 cu. ft. Gilsonite/sk. Top of cement at 5300'. Perf. 2 holes at 5290'. Set cement retainer at 5264'. Cemented second stage w/115 sacks Class "A", 2% gel, 1/4 cu. ft. Gilsonite/sk., 2% calcium chloride, added Carnotite to first 25 sacks for radioactive marker. Top of cement by B & R at 2995'.
9-5-65	Welex could not get Gamma-Neutron tool past 4839'. Ran Gamma log only. Perf. 20 holes 5444-5454' w/3 1/8" SDJ. Pumped in 10 BPM @ 3500, rate fell to 10 BPM @ 4500'. Ran tubing and spotted 500 gallons 15% HCL w/Morflo. Pumped in 10 BPM @ 3000 psi, started sand but rate fell to 10 BPM @ 4000 before sand on formation. Cleaned out and drilled to 5474' (10' below casing shoe), spotted 250 gallons MCA. Tried to run 10' x 3 1/8" gun; would not go below 4834'. Pumped in 40 BPM @ 3000 psi. Sanded off w/3500# of 20/40 sand in formation. Cleaned out to 5430'.
9-6-65	Perforated 5384-94, 5335-45, 5308-18, 4960-70, 4938-48, 4914-24 w/2 SPF w/2 1/8" strip glass jets. Fraced w/69,700 gallons of water w/1# FR-8/1000 gal. and 72,000# 20/40 sand. BDP 1100#, max. pr. 3200#, ISIP 0 - vacuum. Dropped 2 sets of 22 balls, 2 sets of 20, 1 set of 40, 1 set of 60. Good pressure increase and breaks on first three drops. Third drop went to 3200#, broke back and all subsequent drops - 20, 1 of 40, 1 of 60 no increase. Treating pressure 2300-2500-2700-2600#. Avg. I.R. 49 BPM.
9-7-65	Ran 172 joints 2 3/8", 4.7#, J-55 tubing (5420.70') landed at 5428.70'. Seating nipple at 5424.60', bull plug and perf. nipple on bottom.
9-27-65	Date well was tested.