NEW MEXICO OIL CONSERVATION COMMISSION $^{\angle}$

SANTA FE, NEW MEXICO

3 × m 4 7-3-58

APPLICATION FOR DUAL COMPLETION

Rlando & So. Blanco P. C. Ext.		County Rio Arriba	Date April 9. 1959
		ise	Well No.
El roso Natural Gue Company		Jan Juan 27-5 Unit	40 (PM)
ocation Unit Section		Township	Range
Well K	19	278	5 ₩
			ion of a well in these same pools or in the same
zones within one mile of the subject			
If answer is yes, identify one such i	nstance: Order N	lo. W-034 ; Operator, L	ease, and Well No.:
Cam Brown Ob & Hode No.	es last		
The following facts are submitted:	CO (136)		
the following facts are submitted:		Upper Zone	Lower Zone
a. Name of reservoir	ंत है	tured Cliffs	Wesa Verde
b. Top and Bottom of	***	Juliou UZZZZ	PERS 16105
Pay Section			
(Perforations)	21.1	4-3152	5254-5402 (Point Lookout)
c. Type of production (Oil or Gas)	Gus		Ges
d. Method of Production	Vaa		GCO
(Flowing or Artificial Lift)	FIG	wing	Flowing
The following are attached. (Please			L TOW TITE!
List all offset operators to the lease El Faso Notural	on which this we Gas Co. 15	ell is located together with their corr operator of San Juan 27-	ect mailing address. 5 & Sen Juan 28-6 Units.
Were all operators listed in Item 5 ab	NAME NOTIFIED AND A	funcionad a compatibility of	VEC. NO.
of such notification		•	, , , , ,
CERTIFICATE: I, the undersigned,	state that I am the	e Div. Fetroleum Ragineer	of the El Paso Natural Gas Co.
(complete my supervision and direction and t	any), and that I a	am authorized by said company to ma ed therein are true, correct and comp	ke this report; and that this report was prepared
			O'GILLO E. S. OBEKLY
			Signature
Should waivers from all offset of Commission will hold the application	perators not accom	npany an application for administrati	ive approval, the New Mexico Oil Conservation eipt by the Commission's Santa Fe office. If,
arrer said twenty-day period, no	protest not reques	st for nearing is received by the San	ta Fe office, the application will then be proce n-standard proration unit in either or both of the

producing zones, then separate application for approval of the same should be filed simultaneously with this application.

STATE OF NEW MEXICO COUNTY OF SAN JUAN

I. Donald H. Cheim, being first duly sworn upon my oath depose and say as follows:

I am an employee of El Paso Natural Gas Company, and that on March 7, 1959, I was called to the location of the El Paso Natural Gas Company San Juan 27-5 Unit No. 48 (FM) Well located in the NESW/4 of Section 19, Township 27 North, Range 5 West, N.M.F.M., for advisory service in connection with installation of a production packer. In my presence, a Baker Model "EGJ" Production Packer was set in this well at 32% feet in accordance with the usual practices and customs of the industry.

mald A. Olm

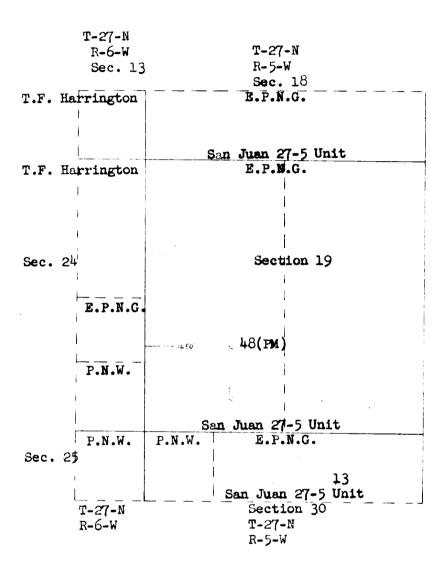
Subscribed and sworn to before me this 9th day of April, 1959.

Notary Public in and for San Juan County.

New Mexico

My commission expires February 24, 1960.

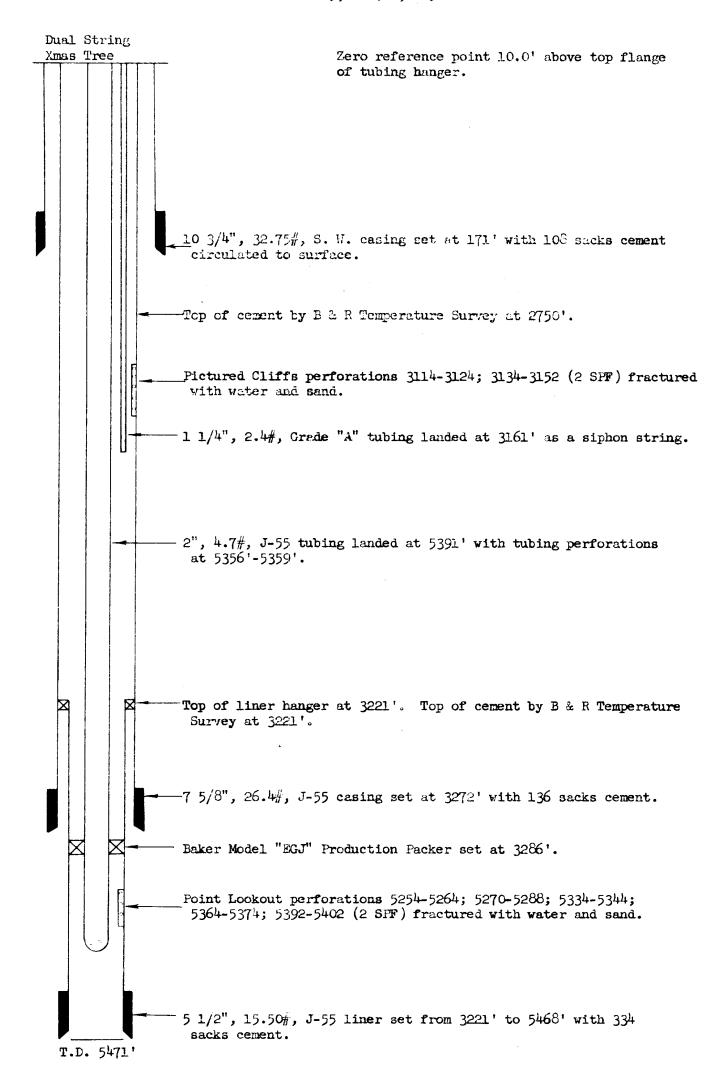
Plat Showing Location of Dually Completed El Paso Natural Gas Co. San Juan 27-5 Unit No. 48 (PM) and Offset Acreage



EL PASO NATURAL GAS COMPANY EL PASO, TEXAS				
SCALE	DATE	No.		
DRAWN BY	CHECKED BY			

FORM 7-132R 10-56

SCHEMATIC DIAGRAM OF DUALLY COMPLETED El Paso Natural Cas Co. San Juan 27-5 Unit No. 48 (PM) NESW Section 19, T-27-N, R-5-W



OPEN FLOW TEST DATA

DUAL COMPLETION	MIAL COMPLET	ION
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DATE __ March 24, 1959

Operator		Lnase			
El Paso Natural Gas		San	San Juan 27-5 No. 48 (P)		
		County			
1650S, 1650W; 19-27-5		Rio	Arriba	New Mexico	
ormation		Poul			
Pictured Cliffs		Unde	esignated		
Casking Disameter	Set At: Feet	the state of the s	TO THE RESERVE OF THE PARTY OF	Set At: Feet	
7/58	3272	1-1,	/4	3151	
Pay Zone From	Te	Total Depth:	* ** ** ** ** ****** * ***** * * * * *	T	
3114	3152	54 60	6 c/o 5420	Shut in 3/7/59	
Stimulation Method		Flow Through Casin		Flow Through Tubing	
Sand Water Frac		X		1	

Choke Size, inches		Choke Constant	h C			•
.75		12.365		5-1/2 lin	er 3221	5468
Shut-In Prescie, Casing,	PSIC	- 12 - PSIA	Days Shuttin	Shut-In Pressure, Tubing	PSIG	+ 12 = PS;A
(PC) 1076		1088	17	(PC)	1076	1088
Flowing Cressure: P	≓51G	- 12 = PSIA		Working Pressure: Pw	PSIG	- 12 = PSIA
130		142	erecor in the second parameters of the con-	134		146
Temperature:	c	n		Fpv (From Tables)		Gravity
58		.85		1.014		.650 (est.)

Initial SIPT (MV) = 1082 psig Final SIPT (MV) = 1084 psig

Packer at 3286

CHOKE VOLUME Q C x P, x F, x Fg x Fpv

C 12.365 x 142 x 1.0019 x .9608 x 1.014 1714 MCF.D

OPEN FLOW Asf Q
$$\begin{pmatrix} \frac{2}{P_c} \\ \frac{P_c}{P_c - P_w} \end{pmatrix}$$

$$1.0183^{-85} \times 1714 = 1.0155 \times 1714$$

Aof 1741 MCF D

THOTELS D. K. Bryant

L. D. Galloway by Tok

OPEN FLOW TEST DATA

DUAL COMPLETION	DATE March 16, 1959
Operator El Paso Natural Gas	San Juan 27-5 No. 48 (M)
16508 1650W: 19-27-5	Rio Arriba New Mexico
Formation Mesa Verde	Pool Blanco .
Casing: Diameter Set At: Feet 7-5/8 3272	Tubing: Diameter Set At: Feet 2" 5381 Total Depth.
Pay Zure: From 1'5	Total Depth. 5466 c/o 5420 Shut in 3/7/59 Flow Through Casing
Sand Water Frac.	X
Chake Size, Inches .75 Chake Constant: C 12.365 Short-In Pressure, Casing, PSIG 12 PSIA Crays Shutter	5-1/2 liner 3221-5468 Shut-In Pressure, Tubing PSIG 12 - PSIA
(PC) 1051 1063 9 Flowing Pressure: P PSIG - 12 - PSIA	1071 (MV) 1083
221 233	Working Pressure: Pw PSIG 12 PSIA Calc. 448 460
Temperature: F = 6 **	F.pv (From Tables) Gravity
Initial SIPQ (PC) = 1050 psig	1.025 .680 Packer at 3286
CHOKE VOLUME = Q = C x P, x F, x Fg x FeV $Q = 12.365 \times 233 \times .9971 \times .9393$ OPEN FLOW Asf > Q $\frac{2}{P_c}$ $\frac{2}{P_c}$ $\frac{2}{P_c}$	2766 MCF/D
Acr (1172889) 1.2201	·75 x 2766 = 1.1610 x 2766
Aof 3211 MCF D	
TESTED BY S. V. Roberts	
WITNESSED BY	Lewis P. Dallowag.