OIL CONSERVATION COMMISSION 1000 Rio Brazos Rd. Aztec, New Mexico

	DATE	/-	19-60
OIL CONSERVATION COMMISSION BOX 871	RE:	Proposed	NSP
SANTA FE, NEW MEXICO		Proposed	NSL
		Proposed	NFO
		Proposed	<u></u>
Gentlemen:			
	-z - 6	, D	
I have examined the application dated / /			
I have examined the application dated 1-1 for the FPNG SN27-4 \$ 23 M-, Operator Lease and Well No.	19-27	-4	
Operator Lease and Well No.	S-T-R		
and my recommendations are as follows:			
/•			
- Apriore			
Yours very truly,			
Carry Chuly	MMISSION	1	

SANTA FE, NEW MEXICO

APPLICATION FOR DUAL COMPLETION

Field Name Rlanco N. V. & Tanacita	· C.	County Rio Arribe	Date Ja	mary 12. 1960	
Operator Lease El Paso Natural Gas Company Su			Well No		
		Son Juan 27-4 Unit	2	3 (FM)	
u	ection	Township	Range	44	
Well M	19	271	1		
Has the New Mexico Oil Conservation			letion of a well in thes	se same poors or in the same	
zones within one mile of the subject			7 1 1V/ 11 NT		
If answer is yes, identify one such in	stance: Urder No.	; Operator	r, Lease, and Well No.		
Kl. Paso Matural Gas Co. S	ian Juan 27-5	S Unit No. 31 (FM)			
The following facts are submitted:	Upper Zone		7	7	
			Lower Zone		
a. Name of reservoir	Pictured C	LITTE	Mesa Verde		
b. Top and Bottom of					
Pay Section	35h0 3570		EKEL_ERON	(Boint Indent)	
(Perforations)	3540-3570		4	5654-5800 (Point Lookout)	
d. Method of Production	Gas		Gas		
(Flowing or Artificial Lift)	Floving		Flowing		
The following are attached. (Please:		· · · · · · · · · · · · · · · · · · ·			
El Paco Hatural Ges		t operator of the San	₹		
				1960	
		**************************************	OIL CON		
			5.51		
Were all operators listed in Item 5 about of such notification	ove notified and fu	rnished a copy of this applicati	on? YES NO	. If answer is yes, give da	
CERTIFICATE: I, the undersigned, s	tate that I am the	Division Fetroleum E	ngr. of the El P	aso Natural Gas Co.	
(compa	any), and that I am	authorized by said company to	make this report; and	that this report was prepared	
der my supervision and direction and th	at the facts stated	d therein are true, correct and co	omplete to the best of	my knowledge.	
		ORIGINAL	SIGNED E.S.OB	ERLY	
			Signature		
Should waivers from all offset op					
Commission will hold the applica			•	·	
after said twenty-day period, no p OTE: If the proposed dual completion w					

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

STATE OF NEW MEXICO COUNTY OF SAN JUAN

I, Mack M. Mahaffey, being first duly sworn upon my oath depose and say as follows:

I am an employee of Baker Oil Tools, Inc., and that on November 24, 1959, I was called to the location of theEl Paso Natural Gas Company San Juan 27-4 Unit No. 23 (FM) Well located in the SWSW/4 of Section 19, Township 27 North, Range 4 West, N.M.P.M., for advisory service in connection with installation of a production packer. In my presence, a Baker Model "N" Production Packer was set in this well at 4968 feet in accordance with the usual practices and customs of the industry.

Mark M. Mahoffry

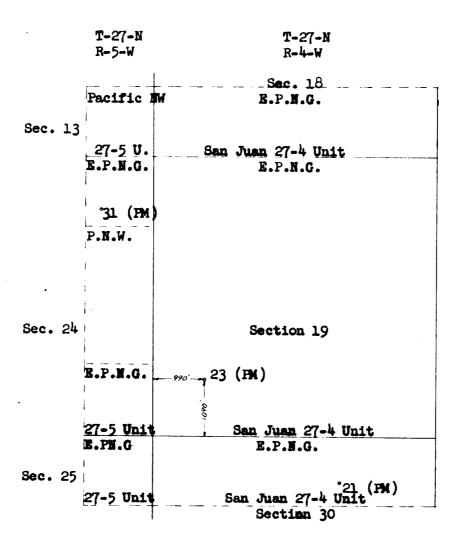
Subscribed and sworn to before me this 13th day of January, 1960.

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 G s Co. San Juan 27-4 Unit No. 23 (PM) and Offset Acreage

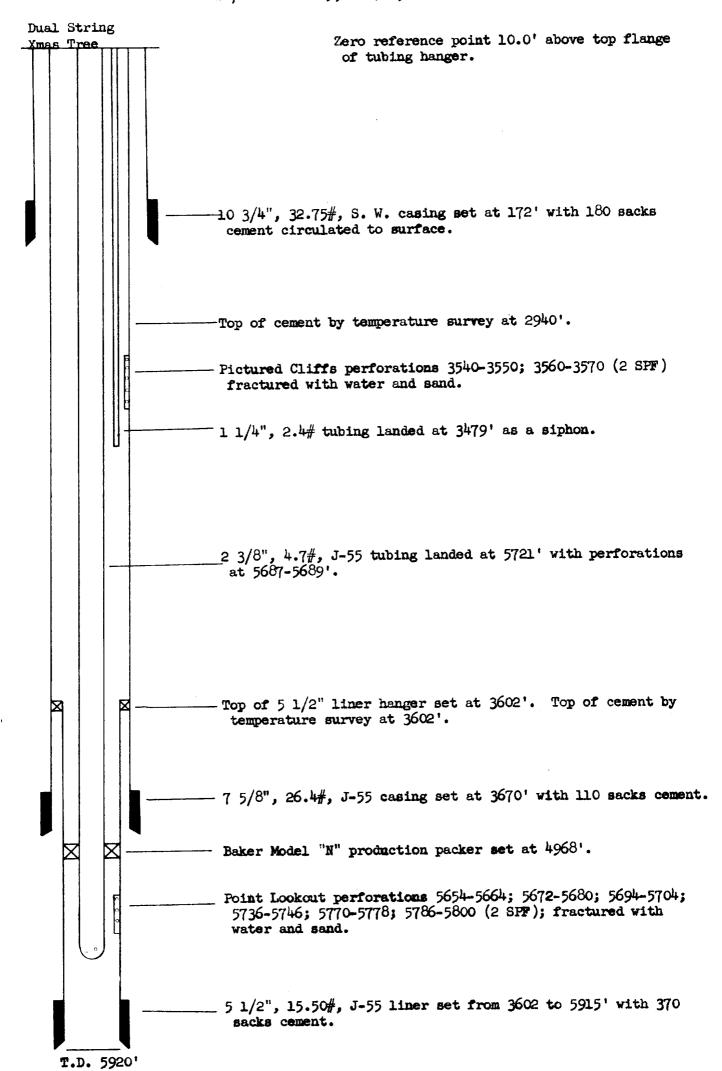


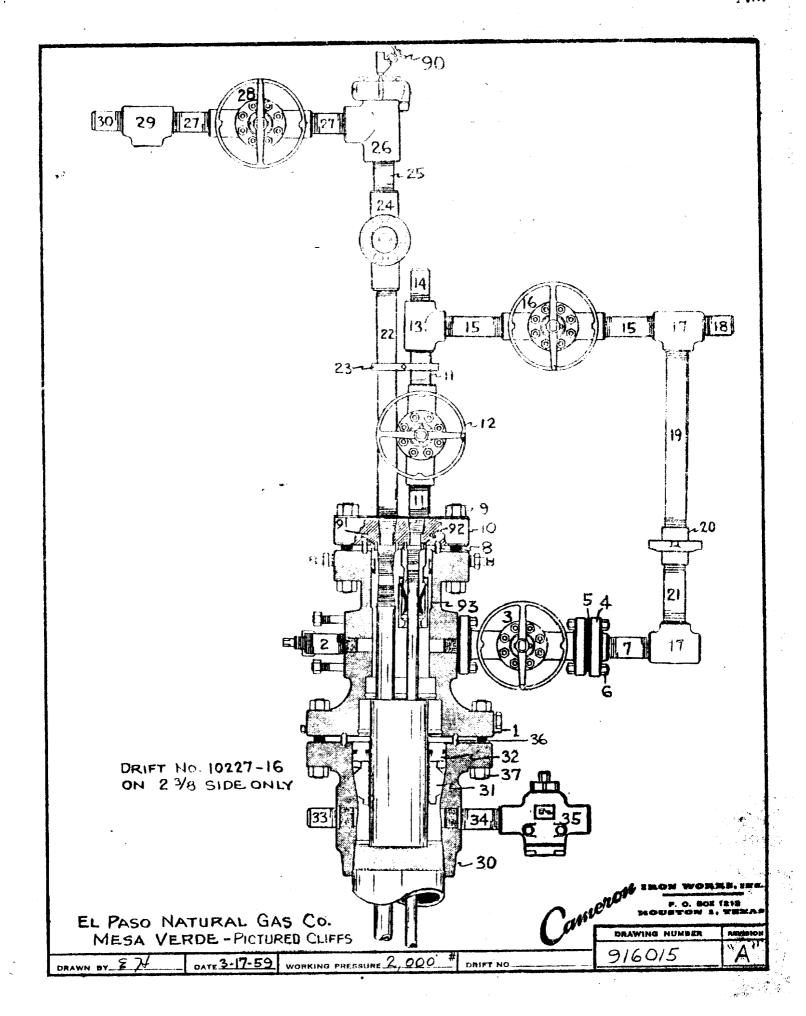
EL PASO NATURAL GAS COMPANY
EL PASO, TEXAS

SCALE DATE No.

DRAWN BY CHECKED BY

SCHEMATIC DIAGRAM OF DUAL COMPLETION El Paso Natural Gas Co. San Juan 27-4 Unit No. 23 (PM) SW/4 Section 19, T-27-N, R-4-W





OPEN FLOW TEST DATA

DUAL COMPLE	STION	DATE November 30, 1959		
El Paso Natural (- 14 - 14	Unit No. 23 (M)	
1090s, 990w; 19-2	27-4	Rio Arriba	State New Mexico	
Mesa Verde	te e e e e e e e e e e e e e e e e e e	Blanco	en e	
5-1/2	Set At: Feet 5915	Tubring, Charmiter	5710	
5654	5800	c/o 5871	Shut In: 11/23/59	
Sand Water Frac.		**************************************	Flaw Through Tubing	
Make Size, James	Cake Constant C	*		
•75	12.365	5-1/2 liner 3		
896 (PC)	908 7	1097 (NV)	PS'G (2 /514) 1109	
710'9 Over sure in 186 (MV)	PSIG 12 17 14 198	Calc.	PSIG + 12 + 154A	
(140 s high july) 62	·75	For term Tables 1.020	Gravity .674	
Initial SIPT (PC)	= 897 paig	Bakkr N-2 pocker	·	
Final SIPC (PC)				
	P. v. F. A. by x. Fac.	3. 000		
	365 x 198 x .9981 x .9463	X 1.020	2359 MCF D	
1	y \n			
priving all gifts				
<u>`</u>) D _w /			
,				
	1229881 1.147	78 ⁻⁷⁵ x 2359 = 1.1089	x 2359	
Am	1229881 1.147		,,,	
\	/			
`				
`	2616 MCF D			

8. V. Roberts

WITNESSHE SAY . . .

OPEN FLOW TEST DATA

DUAL COMPLETION

DATE December 10, 1959

El Paso Natural Gas				San Juan 27-4 Unit No. 23 (P)		
	990W; 19-2	27-4		County Rio Arriba	State New Mexico	
Picture	ed Cliffs			Past Tapacito	· · · · · · · · · · · · · · · · · · ·	
Caking, Diameter	7-5/8	Set At: Feet	3670	Tubing: Diameter 1-1/4	Set At: Feet 3468	
Pay Zone, From	354 0	To	3570	Fotal Depth. c/o 5871	Shut in 11/23/59	
Strawiet a Wetho	Sand Wate	r Frac.	·	Flow Through Casing X	Flow Inrough Tubing	

Chike Size, Inches		Choke Constant: C		
	.75	1 2. 3 65		
Shot-In Pressure, do	965 (PC)	977 Days Shut-H	Shut-in Pressure, Tubing 962 (PC)	PSIG 12 PSIA 974
Flowing Pressure P	95	+ 12 = PSIA	Working Pressure: Pw 101	PSIG 12 PSIA
1 58 ;	H 1.0019	.85	Fpv (From Tables) 1.009	Gravity

Initial SIPT (MV) = 1122 psig Final SIPT (MV) = 1124 psig

Packer Baker N-2 at 4968

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

12.365 x 107 x 1.0019 x .9498 x 1.009 1270 MCF D

OPEN FLOW ASF Q
$$\begin{pmatrix} & & & & \\ & P_c & P_{\star}^2 & & \end{pmatrix}$$

Aof
$$954529$$
 941760 $1.0136^{-85} \times 1270 = 1.0115 \times 1270$

Aot

1285 MCF D

FRANCE S. V. Roberts

WITNESSED BY

is D. Ialloway.