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

	DATE		-6	- 60
OIL CONSERVATION COMMISSION	RE:	Proposed	NSP_	
BOX 871 SANTA FE, NEW MEXICO		Proposed	NSL_	
		Proposed	NFO_	
		Proposed	DC	V
Gentlemen:				
I have examined the application dated 4 -	11-61	<u> </u>		
for the EPNG Co 33U 29-5 # 13-30 H-	30-29/	v-5W		
Operator Lease and Well No.	S-T-R			
and my recommendations are as follows:				
approne				-
Voune vone truly		·		
Yours very truly,	(and)	9		
OIL CONSERVATION C	OMMISSIO	N		

SANTA FE, NEW MEXICO

APPLICATION FOR DUAL COMPLETION

eld Name			County		Date
Blanco Mesa Verde & Wi	Ideat Dakot		Rio Arri	ba	April 11, 1960
rator		ase	Barry CO. E Hade	•	13-30 (MD)
Kl Pago Matural Gas Co	Section	281	Juan 29-5 Unit	•	Range
ation Unit	30		2 9 M		5W
Vell H	ion Commission h	eretofore a	uthorized the dual com	pletion of a we	ll in these same pools or in the same
zones within one mile of the subject	t well? YES_	NO _ _	<u></u>		
f answer is yes, identify one such	instance: Order	No	; Operat	or, Lease, and	Well No.:
The following facts are submitted:		Upper	Zone		Lower Zone
N. C.	Mana Ma			Dakote	
b. Top and Bottom of	Mesa Ve			2000 00	
Pay Section	(5526-5	644 (C1:	iff House)		
(Perforations)	5808-59	84 (Poli	at Lookout)	7980-8	1096 (Dakot:::)
c. Type of production (Gil or Gas)				Ges	
d. Method of Production					
(Flowing or Artificial Lift)	Flowing	<u> </u>		Flowin	<u>g</u>
thereon. (If such log is List all offset operators to the lea	not available at t se on which this	he time app well is loca	olication is filed, it sh ated together with thei	all be submitte	
					MAY6 1960 OIL CON. COM. DIST. 3
Were all operators listed in Item 5 of such notification			•		
(cc	ompany), and that	I am autho	rized by said company	to make this re	he R1 Pasc Natural Gas Co. eport; and that this report was prepared he best of my knowledge.
der my supervision and direction an	d that the facts s	stated there	in are true, correct and		
				UNIGHTAL	SIGNED E.S. OBERLY Signature
Commission will hold the app	olication for a per	iod of twen	ty (20) days from date	of receipt by the	val, the New Mexico Oil Conservation he Commission's Santa Fe office. If,
after said twenty-day period,	no protest nor recon will result in a	quest for he an unorthod	earing is received by the ox well location and/o	he Santa Fe off or a non-standar	ice, the application will then be procest rd 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, Mack M. Mahaffey, being first duly sworn upon my oath depose and say as follows:

I am an employee of Baker Oll Tools, Inc., and that on November 30, 1959, I was called to the location of the El Paso Natural Gas Company San Juan 29-5 Unit No. 13-30 (MD) Well located in the SENE/4 of Section 30, Township 29 North, Range 5 West, N.M.P.M., for advisory service in connection with installation of a production packer. In my presence, a Baker Model "D" Production Packer was set in this well at 7740 feet in accordance with the usual practices and customs of the industry.

mark M. Mahaffy

Subscribed and sworm to before me this 12th day of April, 1960.

Notary Public in and for San Juan County,

My commission expires 6-1-61.

MANG 1950

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Section 1. Section 1

PLAT SHOWING LOCATION OF DUALLY COMPLETED El Paso Natural Gas Co. San Juan 29-5 Unit No. 13-30 (MD) and Offset Acreage

T-29-N R-5-W

Section 19	
El Paso Natural Gas Co.	E.P.N.G.
	28-20
	Sec. 20
San Juan 29-5 Unit	29-5 Unit
E.P.N.G.	E.P.N.G.
1	
•	
•	- du -
13-30	(MU)
Section 30	Sec. 29
Section 30	2001 2
	÷ .
○ 12-30	
_	
San Juan 29-5 Unit	29-5 Unit
El Paso Natural Gas Co.	So. Pet.
·	Sec. 32
g _{ia}	-31 20-5 Unit
San Juan 29-5 Unit	-31 29-5 Unit
Section 31	

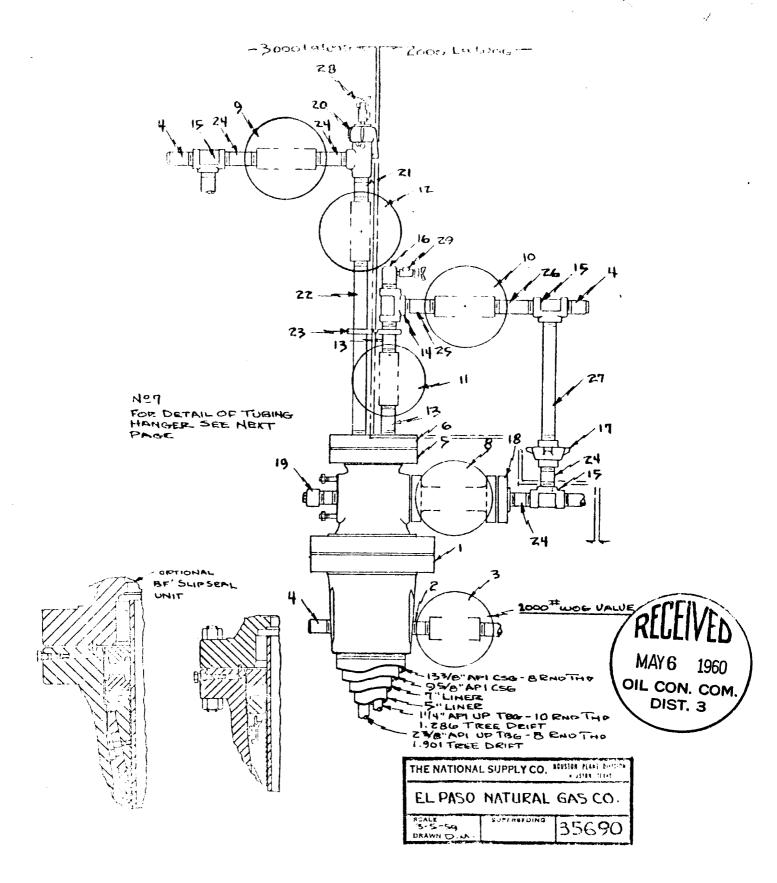
MAYE 1960 OIL CON. COM. DIST. 3

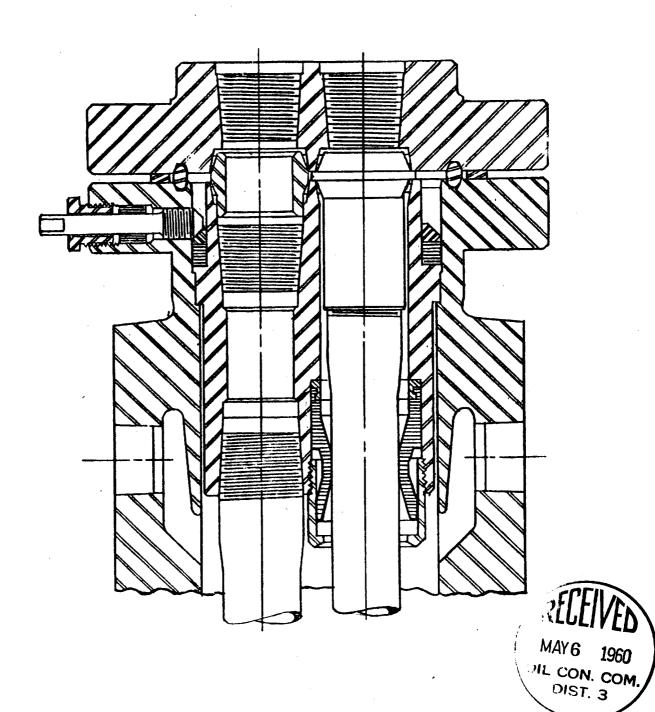
EL PASO NATURAL GAS COMPANY							
SCALE	DATE	No.					
DRAWN BY	CHECKED BY						

FORM 7- 132R 10-55

SCHEMATIC DIAGRAM OF DUAL COMPLETION El Paso Natural Gas Co. San Juan 29-5 Unit No. 13-30 (MD) NE/4 Section 30, T-29-N, R-5-W

Dual String Xmas Tree	Zero reference point 10.0' above top flange
	of tubing hanger.
	13 3/8", 48#, H-40 casing set at 325' with 360 sacks cement circulated to surface.
	Top of cement by temperature survey at 2500'.
 	Top of cement by temperature survey at 3776'.
	9 5/8", 36#, J-55 casing set at 3868' with 160 sacks cement.
000000	Cliff House perforations 5526-5538; 5546-5568; 5640-5644 (2 SPF); fractured with water and sand. MAY 6 1960 CON. COM.
	Point Lookout perforations 5808-5818; 5852-5860; 3874-5896; 5902-5908; 5914-5924; 5936-5954; 5960-5964; 5970-5984 (2 SPF); fractured with water and sand.
	Baker Model "D" production packer set at 7740'.
	Top of 5" liner hanger set at 7757'. Squeezed top of liner with 100 sacks cement. Top of cement by temperature survey at 7757'.
	7", 23#, J-55 & N-80 casing set at 7852' with 1000 sacks cement in two stages.
000000	Dakota perforations 7980-7990; 7996-8004; 8032-8038; 8046-8054; 8060-8074; 8088-8096 (2 SPF); fractured with water and sand.
	5", 15#, J-55 liner set from 7757' to 8199' with 75 sacks cement.





OPEN FLOW TEST DATA

CORRECTED COPY

DUAL COMPLETION

DATE | March 14, 1960

El Paso Nata	ral Gas		San Juan 29-5 Un	it 13-30 (M)
1650 m, 800m ; 3 0-29-5			Rio Arriba	New Mexico
Mesa Verde			Blanco	
Casaa 1 amerika	٤ - ۱۸ دم∑	7852	1-1/4	5-1 At. Feet 5970
Рау дове Егон 55 4	· 1 · .	5984	Total Depth 8214 c/o 8130	2/24/60
Sand Water	rac.		ຶrtew.*hrugh oseig X	Flow to a Stating

•75	**	12	.365	Packer at 7740)		
(MV) 108	7	1099 1099	19	(NV) 1087	PSIG	1099	
(MV) Csg.) 38	r (). O	∘2 - ⊹4 3 9	2	(MV Tbg.) 852	PS13	1. FS 864	
Temper 1 14	1.0239	.75		1.046		Grav.t. •669 Fg /	.94 98

Initial SIPT (D) = 1131 psig Final SIPT (D) = 1152 psig

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

0 12.365 x 392 x 1.0239 x .9498 x 1.046

4931

MCF D

CPENTLOW AND Q $\left(\begin{array}{cccc} & & & \\ & & \ddots & \\ & & & \\ & & & \\ & & & \\ \end{array}\right)^n$

The last three flow press. readings were slightly fluctuating and there was ice in the choke upstream from the choke constriction.

1207801 461305

2.6182*75 x 4931 = 2.0585 x 4931

MAY 6 1960 OIL CON. COM. DIST. 3

A... 10150 MCF D

W. D. Dawson

W. B. Smith (Phillips)

CORRECTED COPY

Lewis D. Dalloway.

OPEN FLOW TEST DATA

DUAL COMPLETION

FORM 24/50 THE V. 11-591

Operator El Paso N	atural Gas	3 Company		Lease	Sen	Juan 29-5 U	nit No. 13-30 (D)
ocation	OE; 30-29-			County	R10	Arriba	State New Mexico
Dakota				Pool	Und	esignated	
Casing: Diameter	5	Set At: F	8199	Tubing: [iameter 2		Set At: Feet: 8043
Pay Zone: From	7980	То	8076	Total De		4 c/o 8130	12/14/59
Stimulation Method				Flow Thr	ough Ca	sing	Flow Through Tubing
Sand Wate	r Frac.			4			X

Choke Size, Incres	Chake Constant: C	7" at 7852	; 5" liner	7732-8199	
Shut-In Pressure, 1981. (MV) 1066	PSIG 12 PSIA Days Sh 1078 7	hut-In Shut-In Pressure, Tubing (D) 2368	2	PSIA	•
Flowing Pressure P (D Tbg.) 60	PSIG + 12 : PSIA	Working Pressure Fw Calg.		161	
Temperature:	·99 33 · 7 5	Fpv (From Tables)	Gravi	<u> </u>	017

Initial SIPT (MV) = 1073 psig Final SIPC (MV) = 1074 psig Packer at 7740

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

Q 12.365 x 72 x .9933 x 1.017 x 1.006 905

MCF D

OPEN FLOW Asf Q $\begin{pmatrix} & & & & \\ & & P_c & & \\ & & P_c & P_w & \end{pmatrix}$

Aof
$$\left(\begin{array}{c} 5664400 \\ 5638479 \end{array} \right)^{n} = 1.0045^{\circ 78} \times 905 = 1.0034 \times 905$$

Aof 908 MCF/D

MAY 6 1960 OIL CON. COM DIST. 3

TESTED BY ... W. D. Davson

WITNESSED BY W. B. Smith (Phillips)

Lewis D. Lalloway -