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

OIL CONSERVATION COMMISSION RE: Proposed NSP BOX 871 SANTA FE, NEW MEXICO Proposed NSL Proposed NFO_____ Proposed DC____ Gentlemen: I have examined the application dated 12-24-59 and my recommendations are as follows: GA Asoul Yours very truly,

SANTA FE, NEW MEXICO

APPLICATION FOR DUAL COMPLETION

Field Na	ıme			County		Date
Blen	co M.V. 💈 Juth	Blanco Dak. E		Rio Arriba		Dicember 2 , 1959
Operator		_	Lease			Well No. 149 (MJ)
Location	Pasc Natur I Gas	Section		ncon Unit Township		Range
of Well	H		36	· 2/N		61/
					ion of a well	l in these same pools or in the same
zone	s within one mile of the	subject well? YE	S NO _	_ <u>_</u>		6 11 N
2. If an	swer is yes, identify on	e such instance: Or	der No	; Operator, I	Lease, and W	/ell No.:
3. The	following facts are sub-	nitted:				
	,		Uppe	er Zone		Lower Zone
a. N	ame of reservoir	Mesa V	erae		Dakota	<u> </u>
ь. Т	op and Bottom of				1320-7	7366 (Gremeros)
	Pay Section	5166-5	496			7534 (Dekota)
—т	(Perforations) Type of production (Oil				Cas	
	lethod of Production					
	(Flowing or Artificial	Lift) Flowing	Æ		Flowin	48
4. The	following are attached.	(Please mark YES o	ot NO)			
5. List	d. Electrical log of thereon. (If such all offset operators to	log is not available	ceptable log at the time ap his well is lo	oplication is filed, it shall be cated together with their co.	oe submitted	es and intervals of perforation indicated as provided by Rule 112-A.)
of s	uch notification	ersigned, state that I	am the Div	vison Petroleum Eng	of the	NO If answer is yes, give date e El Paso Natural Gas Co. port; and that this report was prepared
under m				ein are true, correct and con	mplete to the	
						Signature
*						al, the New Mexico Oil Conservation
						e Commission's Santa Fe office. If,
NOTE:	If the proposed dual co	ompletion will result	in an uncrtho		standard	ce, the application will then be processed proration unit in either or both of the asly with this application.

STL T E	$\cup \mathbf{F}$	NEW	MEXICO)
COUNT	(JF	SAI	NAUL F) }

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

I am an employee of Eaker Sil Tools, Inc., and that on November 12, 1959, I was called to the location of the El Paso Natural Gas Company Rincon Unit No. 149 (MD) Well located in the SESN of Section 30, Township 27 North, Range & West, N.M.P.M., for advisor service in connection with installation of a production packer. In my presence, a Baker Model "D" Production Packer was set in this well at 5680 feet in accordance with the usual practices and customs of the industry.

Mark m. Makeffy

Subscribed and sworn to before me this 29th day of Ducember,

Notary Public in and for San Juan C unty,

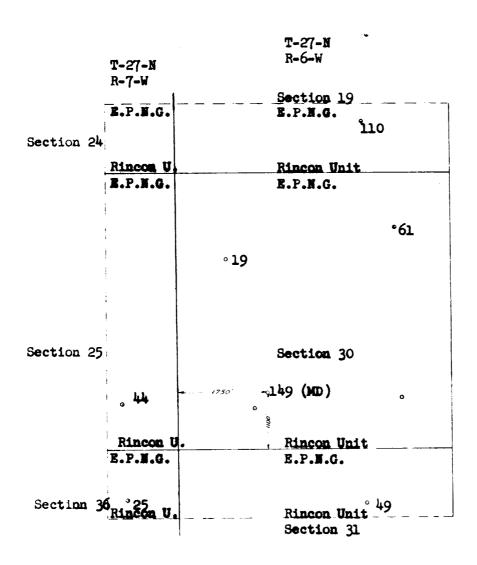
New Mexico

k commission expires February 24, 1960.

1959.



PLAT SHOWING LOCATION OF DUALLY COMPLETED El Paso Natural Gas Co. Rincon Unit No. 149 (ND) and Offset Acreage



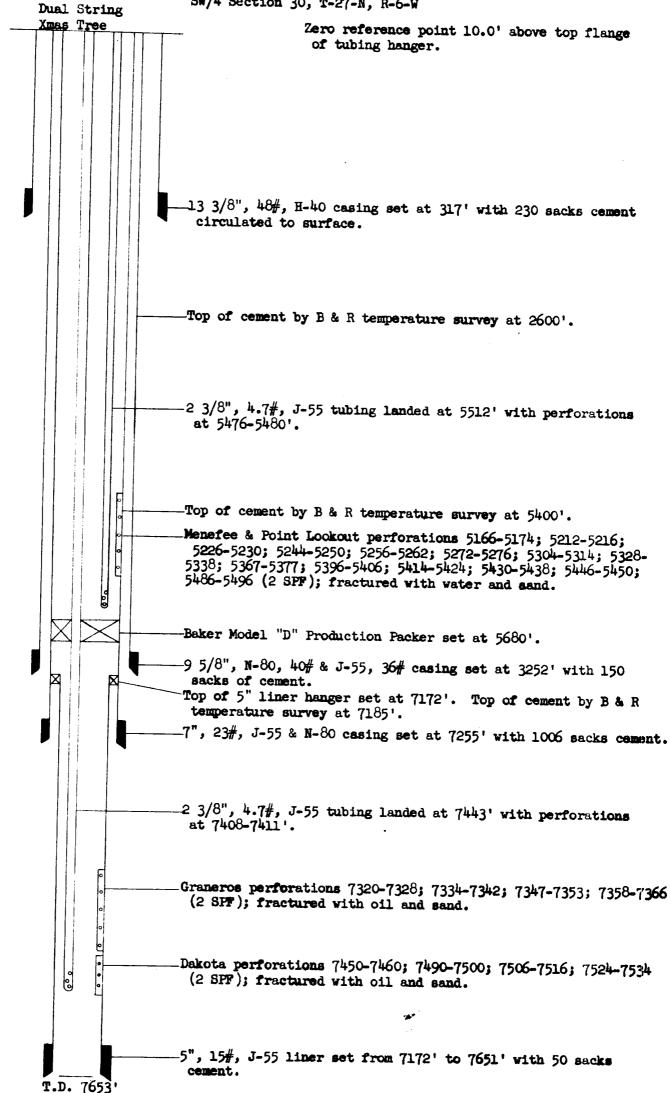


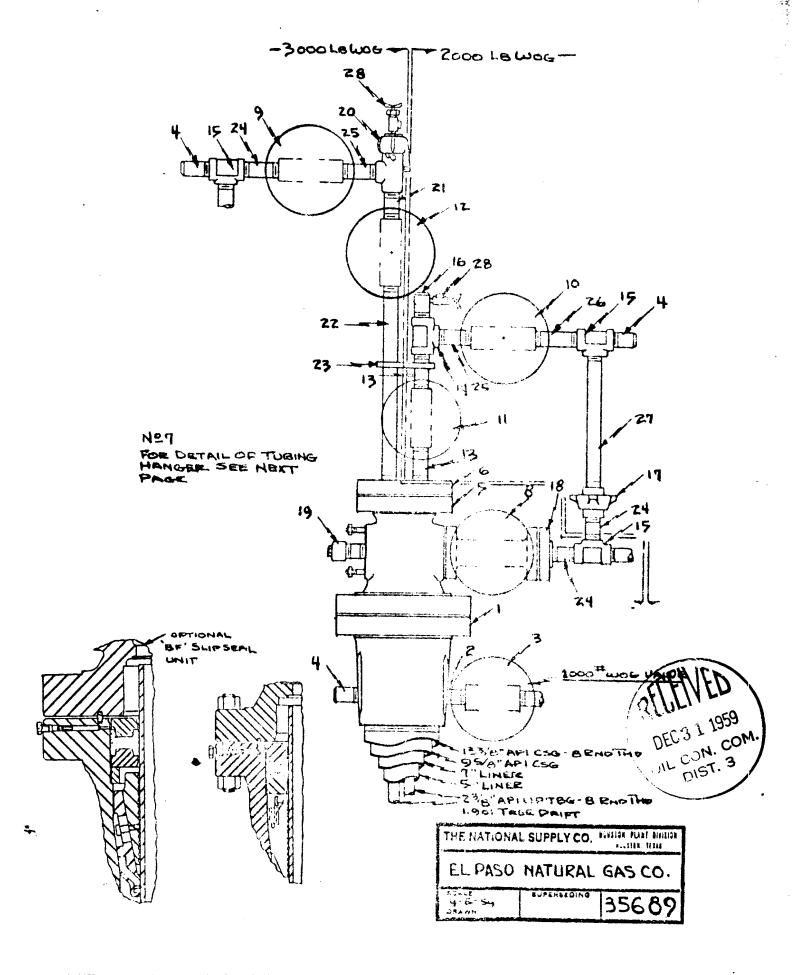
EL PASO NATURAL GAS COMPANY
EL PASO, TEXAS

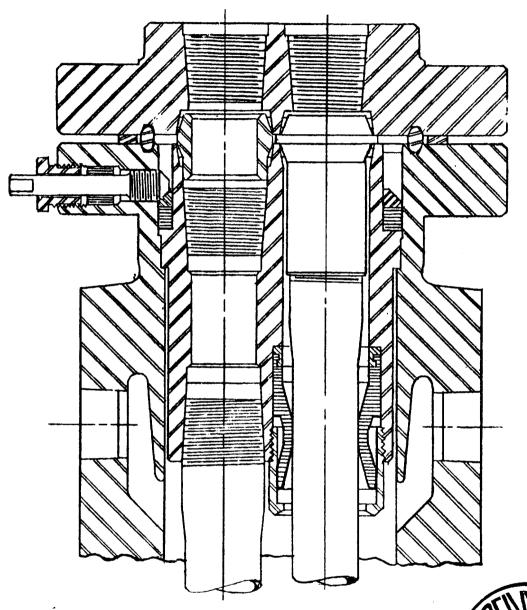
SCALE
DATE
DRAWN BY
CHECKED BY

FORM 7- 132R 101-56

SCHEMATIC DIAGRAM OF DUAL COMPLETION El Paso Natural Gas Co. Rincon Unit No. 149 (MD) SW/4 Section 30, T-27-N, R-6-W







PECS 1 1959

OIL CON. COM.
OIL DIST. 3

- 원, 환, 항상 VAN 이용 이상 () - MO MM

OPEN FLOW TEST DATA

Design November 27, 1959 DUAL COMPLETION El Paso Natural Gas Rincon Unit No. 149 (M) Rio Arriba New Mexico 11006, 1750W; 30-27-6 Mesa Verde Blanco Set Ar. Feet Casing: Diameter 2 5501 Short In: 11/12/59
Enw Through Tuber: 7653 c/o 7615 5166 5496 Stimulation Method Sand Water Frac. .75
Shut-In Pressure. Casing, PSIG 12 PSIA Blue Shake Steeling Shake Pressure Tubing
1098 (MV) 1110 15 1102 (MV)
Flowing Pressure: P PSIG 12 PSIA has been supplied to the same steeling steelin Styles Pressure Tubing F510 12 - PS1A 1114 PS13 12 = PS1A 154 162 174 .75 Initial SIPT (Dak) = 2084 psig Baker "D" Packer at 5680 Final SIPT (Dak) = 2095 psig CHOKE VOLUME OF The Prince F. X Fg X For \approx 12.365 x 154 x 1.0010 x .9225 x 1.018 1799 . . MOF D OPEN FLOW Acf / 1240996 $1.0250^{.75} \times 1790 = 1.0187 \times 1790$ 1210720 1823 MOF D TESTED BY .. 8. V. Roberts ... WITHESSEE BY

OPEN FLOW TEST DATA

DHAL	COMP	FIIO
_	~~~	

Operator		Lease					
El Paso Natural G	45	Rincon Unit No. 149 (D)					
Location		County	State				
11008, 1750W; 30-	27- 6	Rio Arriba	New Mexico				
Formation		Pool					
Dekota		Undesignated					
Casing: Drameter Set At: Feet		Tubing: Diameter	Set At: Feet				
5	7651	2	7432				
Pay Zone: From	To	Total Depth;					
7520	753 4	7653 c/o 7615	Shut In: 11/12/59				
Stimulation Method		Flow Through Casing	Flow Through Tubing				
Sand Oil Frac.		X					

Choke Size, Inches		Choke Constan	t: C			
·75]	2.365	5" liner 717	2 - 765	1
Shut-In Pressure, Casing.	PSIG		Days Shut-In	Shut-In Pressure, Tubing		+ 12 = PSIA
(NV) 1054		1066		(Dak) 1898		1910
Flowing Pressure: P	PSIG	- 12 = PStA		Working Pressure: Pw	PSIG	- 12 = PSIA
			39 4	Calc.		875
Temperature: T	*F	n =		Fpv (From Tables		Gravity
6 6			.75	1.039		.668

Initial SIPT (MV) = 1057 psig Final SIPC (MV) = 1067 psig

Baker "D" Packer at 5680

CHOKE VOLUME = Q	C	×	Ρ,	×	F,	x	Fg	x	Fpv
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	Q	12.365 x 394 x .9943 x .9498 x 1.039	4780	MCF/D
OPEN FLOW	Aof Q	$\begin{pmatrix} 2 & P_c \\ P_c & P_w \end{pmatrix}$		

Acf
$$=$$
 $\left(\begin{array}{c} 3648100 \\ 2882475 \end{array}\right)^n = 1.2656^{.78} \times 4780 = 1.1930 \times 4780$

Aof - ______ MCF/D

TESTED BY 8. V. Roberts

WITNESSED BY____