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

	DATE	9-2	1-0	00
OIL CONSERVATION COMMISSION		Proposed		
BOX 871 SANTA FE, NEW MEXICO		Proposed	NSL_	
		Proposed		
		Proposed	DC_	V
Gentlemen:				
I have examined the application dated $9-30-6$				
for the EPNG SU 28-5 # 42 K-2 Operator Lease and Well No.	<u> 1 フラカ</u> S_T_B	U-5111		
	0-1-1			
and my recommendations are as follows:				
- in pront -				
		 		
				
			, <u>.</u>	
Yours very truly,	L.			
OTI FONE EDUATION CO	MMISSI	ON		

SANTA FE, NEW MEXICO

APPLICATION FOR DUAL COMPLETION

ield Name			County	D_i	11.0
Blanco Mesa Verde à Vildea	t Dakota		Rio Arrib	a i	September 22, 1960
perator	Leas	e		W	ell No.
Il Feso Estural Gas Compan	V		n 28-5 Unit		
cation Unit	ection		Township	Ri	ange
Well K	31		201	1	
llas the New Mexico Oil Conservation	Commission her	etofore aut	horized the dual comp	pletion of a well in	these same pools of in the same
zones within one mile of the subject	well? YES	NO 		T and W-1	No.
If answer is yes, identify one such in	stance: Order No	·	; Operato	or, Lease, and well	I No.:
The City is Common by least to					
The following facts are submitted:		Upper Z	one		Lower Zone
g. Name of reservoir	Ness Verd			Dakote	
b. Top and Bottom of	AMPEL TUNE				
Pay Section	4976-5014	(01100	Herron)	7376-7413	(Greneros)
(Perforations)	5396-5450			71-22-7570	<i>i</i>
c. Type of production (Oil or Gas)	9370-747V	- / varme	LANGUA /	Ges	
d. Method of Production	CASE .				
(Flowing or Artificial Lift)	Floring			Pleving	
The following are attached. (Please					
operators of all leases offs c. Waivers consenting to such been furnished copies of the	nent. of all wells on a etting applicant's th dual completion e application.*	pplicant's s lease. n from each	lease, all offset well	ls on offset leases	, and the names and addresses of
b. Plat showing the location operators of all leases offs c. Waivers consenting to such been furnished copies of the d. Electrical log of the well thereon. (If such log is not list all offset operators to the lease	nent. of all wells on a etting applicant's the dual completion application. or other acceptable available at the on which this we	pplicant's lease. In from each ole log with time applicant lis locate	lease, all offset well n offset operator, or i n tops and bottoms of cation is filed, it sha ed together with their	n lieu thereof, evidon producing zones and be submitted as	, and the names and addresses of dence that said offset operators be and intervals of perforation indicat provided by Rule 112—A.)
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b. Plat showing the location operators of all leases offs c. Waivers consenting to such been furnished copies of the d. Electrical log of the well thereon. (If such log is not List all offset operators to the lease Preso Estural Gas Co. 16 Were all operators listed in Item 5 ab of such notification	nent. of all wells on a etting applicant's the dual completion. or other acceptable available at the on which this we cover notified and state that I am the pany), and that I am the pany).	pplicant's selease. In from each ole log with time applicant is located the selection of t	lease, all offset well n offset operator, or i n tops and bottoms of cation is filed, it sha ed together with their n tops and bottoms of cation is filed, it sha ed together with their copy of this applica ted by said company	tion? YES N	and the names and addresses of dence that said offset operators had intervals of perforation indicate provided by Rule 112—A.) ddress. O If answer is yes, give designed that this report was prepare
b. Plat showing the location operators of all leases offs c. Waivers consenting to such been furnished copies of the d. Electrical log of the well thereon. (If such log is not List all offset operators to the lease in Faso Estural Gas Co. 1	nent. of all wells on a etting applicant's the dual completion. or other acceptable available at the on which this we cover notified and state that I am the pany), and that I am the pany).	pplicant's selease. In from each ole log with time applicant is located the selection of t	lease, all offset well n offset operator, or i n tops and bottoms of cation is filed, it sha ed together with their n tops and bottoms of cation is filed, it sha ed together with their copy of this applica ted by said company	tion? YES N	and the names and addresses of dence that said offset operators be and intervals of perforation indicate provided by Rule 112—A.) ddress. O If answer is yes, give designed that this report was prepared.
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* Should waivers from all offset operators not accompany an application for administrative approval, the New Mexico Oil Conservation Commission will hold the application for a period of twenty (20) days from date of receipt by the Commission's Santa Fe office. If, after said twenty-day period, no protest nor request for hearing is received by the Santa Fe office, the application will then be processed.

NOTE: If the proposed dual completion will result in an unorthodox well location and/or a non-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, R. G. Miller, being first duly sworn upon my oath depose and say as follows:

I am an employee of El Paso Natural Gas Co., and that on July 11, 1960, I was called to the location of the El Paso Natural Gas Company San Juan 28-5 Unit No. 42 (MD) Well located in the NESW/4 of Section 31, Township 28 North, Range 5 West, N.M.P.M., for advisory service in connection with installation of a production packer. In my presence, a B ker Model "D" Production Packer was set in this well at 6925 feet in accordance with the usual practices and customs of the industry.

Subscribed and sworn to before me, a Notary Public, this 23rd day of July, 1960.

County, New Mexico

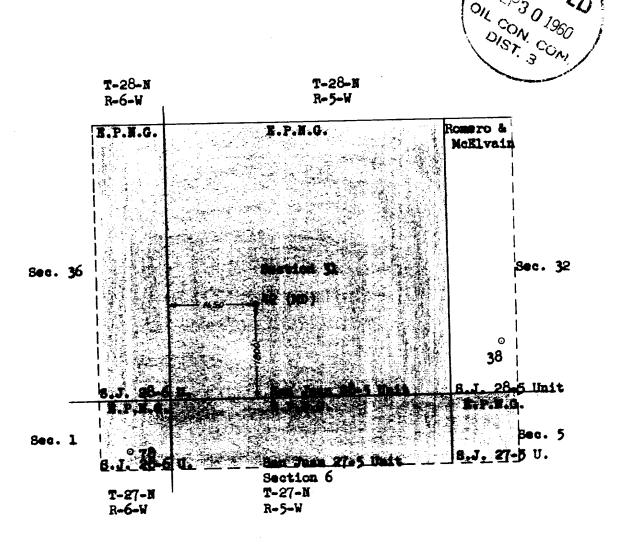


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LENN EN

10 th 0 km 7 m 12 km 3 kg

PLAT SHOWING LOCATION OF DUALLY COMPLETED El Paso Natural Gas Co. San Juan 28-5 Unit No. 42 (ND) and Offset Acreage

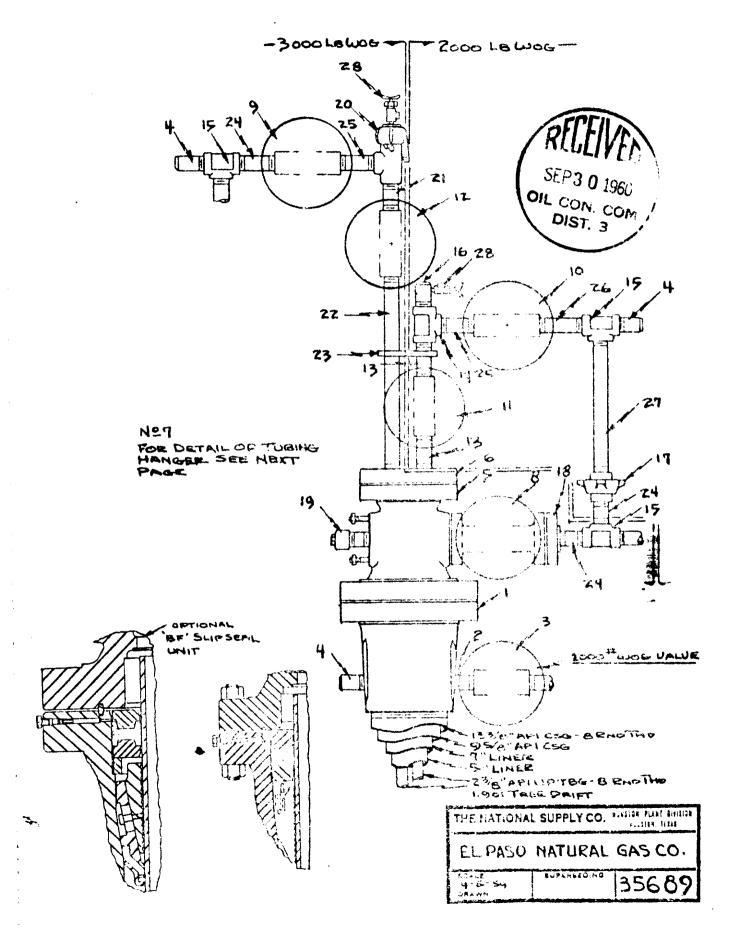


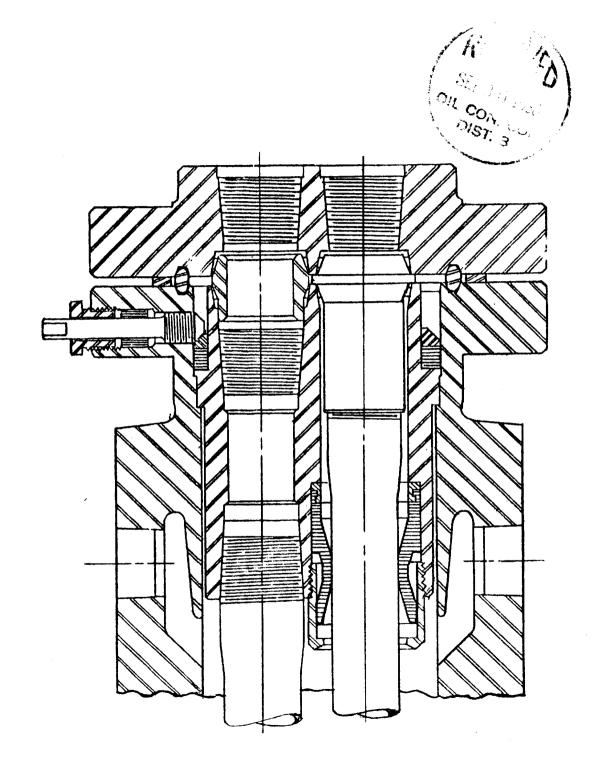
EL	PASO NATURAL GAS EL PASO, TEXA	
SCALE	DATE	No.

SCHEMATIC DIAGRAM OF DUAL COMPLETION El Paso Natural Gas Co. San Juan 28-5 Unit No. 42 SW/4 Section 31, T-28-N, R-5-W



		ST. 3
Dual Xmas	String Tree	Zero reference point 10.0' above top flange of tubing hanger.
		13 3/8", 54.5# J-55 casing set at 316' with 1566 sacks cement circulated to surface.
		2", 4.7#, J-55 tubing landed at 5472' with perforations at 5437-5441'.
		9 5/8", 36#, J-55 casing set at 3385' with 290 sacks cement.
	(03/2-03-2)	Cliff House perforations 4976-4992; 5004-5014 (2 SPF); fractured with water and sand.
	888 888 888 888 888 888 888 888 888 88	Point Lookout perforations 5356-5364; 5370-5374; 5380-5386; 5390-5398; 5408-5414; 5420-5426; 5440-5450 (2 SPF); fractured with water and sand.
		2", 4.7#, J-55 tubing landed at 7565' with perforations at 7530-7533'.
×		Baker Model "D" production packer set at 6925'.
×	X -	Top of 5" liner hanger set at 7300'.
		7", 23#, J-55 & N-80 casing set at 7384' with 400 sacks coment in two stages.
	J 6d6 0 21	Graneros perforations 7376-7388; 7402-7413 (2 SPF); fractured with water and sand.
	000000000	Dakota perforations 7482-7492; 7528-7538; 7556-7570 (2 SPF); fractured with water and sand.
T	n. 7632	5", 15#, J-55 liner set from 7300' to 7606' with 110 sacks cement.





OPEN FLOW TEST DATA

DUAL COMPLETION

DATE August 25, 1960

Ocerator El Paso Natural (Gas Co.	Sen Juan 28-5 Unit No. 42 (M)		
1800s, 1650w; 31	-28 n-5 w	Rio Arriba	State New Mexico	
Mesaverde		Blanco MV		
Lasing: Diameter 7*	Ser At Feet 7373	Tubing Digneter 2 H-G	Set At 5462	
ay Zone: From 497 6	5450	7632 c/o 7590	7/13/60	
Sand Water Frac.		Flow Through Cosing	Flow Throcah Tubing . X	

Choke Size, Incl	7 5	12.365	5" liner from	7300 to 7606
Shut-poston quen	1146 (MV)	12 F54 1.14 Shirth	Shardo Pressure, Tubing 1148 (MV)	PSIG 12 PSIA 1160
Flowing Freksur	е н Рысії 344	35 6	Wirking Pressure, P.W.	PSIG - 12 PSIA 847
16-20-01-09 1	F9924	•75	Epv. From Tables) 1.041	.700 Fg .9258

Initial SIPT (Dk) = 2686 psig Final SIPT (Dk) = 2697 psig

Baker Model "D" Prod. packer at 6925

4210

MCF D

CHOKE , CLUME Q C x P, x F, x F4 x F6

9 12.365 x 356 x .9924 x .9258 x 1.041

MCF D

1345600 628191 2.1420^{.75} x 4210 = 1.7700 x 4210

7452

Tom Grant

Aof

With Carlons

Lewis D. Halloway.

OPEN FLOW TEST DATA

DUAL COMPLETION

DATE August 4. 1960

El Paso Netura	1 Gas Company	Sen Juan 28-5 Uni	it No. 42 (D)
ocation 18008, 1650%;	51-28-5	County Rio Arriba	State Hew Mexico
Dekota		Undesignated	
Casing: Diameter	Set At: Feet 7373	Tubing: 8	Set A
Pay 7 one: From 7376	757 0	Total Depti. 7632 e/o 7590	7/13/60
Stimulation Methol: Send Water Fred	3.	Flow Timery	Flow forwar Tubing

Choke Size, Inches		Choke	Constant: (12.365	5" liner from 7300' to 7606' Baker Medel "D" Packer at 6925'		
Shut-In	Pressure, Cas -	3 8	PSIG - 12		•	PSIG - 12 PSIA 2668
Flowin :	ig Pressure. P 57 .	9.	PSIG + 12 ·	PSIA	Working Pressure Pw Cale.	PSIG - 12 PSIA
Temper T	78-F	F †	.98 3 1	•75	Fpv (From Tatries 1.048	Est610 Fg .9918

Pinal SIPE (MV) = 11% psig Pinal SIPE (MV) = 1149 psig

CHOKE VOLUME Q 1 x P. x F, x Fg x Fpv

0 12.365 x 591 x .9831 x .9918 x 1.048

7467

MCF D

OPEN FLOW A of Q
$$\begin{pmatrix} & & & \\ & P_z & \\ & P_z & P_w \end{pmatrix}$$



Aof

9226

MCF D

Blew fair white mist through whole test.

TESTED BY D. Mortensen

WITNES ED BY

Checked By T. B. Grant