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

DATE 12-7-60 RE: Proposed NSP OIL CONSERVATION COMMISSION BOX 871 Proposed NSL SANTA FE. NEW MEXICO Proposed NFO_____ Proposed DC____ Gentlemen: I have examined the application dated for the EPNG Lease and Well No. Operator and my recommendations are as follows: prove Yours very truly, OIL CONSERVATION COMMISSION

SANTA FE, NEW MEXICO

APPLICATION FOR DUAL COMPLETION

ield Name Blanco M. V. & So. Rlanc	o P. C. Bet.	County Rio Arriba	Date November 30, 1960	
perator	Lease		Well No.	
El Pago Hetural Ges Co.		Ann 26-7 Unit	71. (2N)	
ocation Unit	Section	Township	Range	
Well			· · · · · · · · · · · · · · · · · · ·	
	T	re authorized the dual comple	letion of a well in these same pools or in the sa	
zones within one mile of the subject		-617		
If answer is yes, identify one such	instance: Order No.	; Operator,	r, Lease, and Well No.:	
l Paso Matural Gas Co.	San Juan 26-7 Uni	lt 110. 91 (PM)		
The following facts are submitted:				
	Up	per Zone	Lower Zone	
a. Name of reservoir	Pictured Cli	Ma	Ness Verde	
b. Top and Bottom of			4454-4568 (Cliff House)	
Pay Section				
(Perforations)	2782-2816		5032-5140 (Peint Lockout)	
c. Type of production (Oil or Gas)				
d. Method of Production				
(Flowing or Artificial Lift)	Floring		Floring	
The following are attached. (Pleas	se mark YES of NO)			
	ll or other acceptable log ot available at the time	application is filed, it shall	oroducing zones and intervals of perforation indicated as provided by Rule 112-A.) correct mailing address. DEC 1960 DE	
Were all operators listed in Item S.	shave notified and furnical	ned a copy of this appliance	on? YES NO If answer is yes, give	
of such notification				
(COI	npany), and that I am aut	norized by said company to	make this report; and that this report was prepa omplete to the best of my knowledge.	
		ORIGINAL	L SIGNED E. S. OBERLY	
			Signature trative approval, the New Mexico Oil Conservati receipt by the Commission's Santa Fe office. I	
after said twenty-day period, n	o protest nor request for	hearing is received by the S	Santa Fe office, the application will then be pro non-standard proration unit in either or both of	

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:

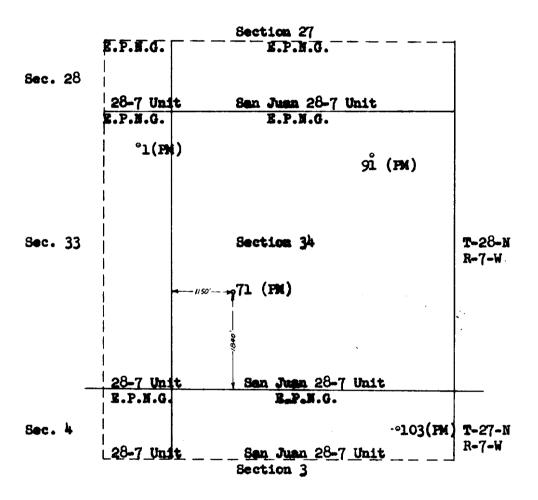
I am an employee of El Paso Natural Gas Co., and that on August 23, 1960, I was called to the location of the El Paso Natural Gas Company San Juan 28-7 Unit No. 71 (PM) Well located in the NWSW/4 of Section 34, Township 28 North, Range 7 West, N.M.P.M., for advisory service in connection with installation of a production packer. In my presence, a Guiberson Model "Shorty" Production Packer was set in this well at 2884 feet in accordance with the usual practices and customs of the industry.

Subscribed and sworn to before me this 30th day of November, 1960.

Notary Public in and for San Juan County, New Mexico

My commission expires October 5, 1964.

Plat Showing Location of Dually Completed El Paso Natural Gas Co. San Juan 28-7 Unit No. 71 (PM) and Offset Acreage

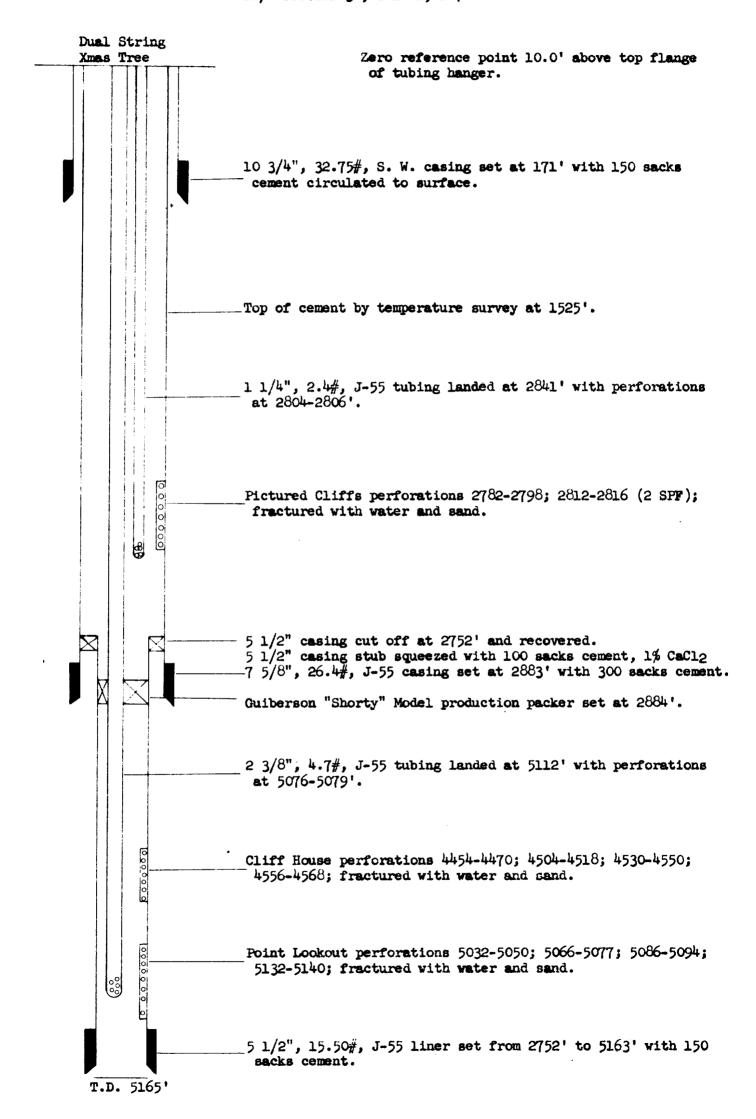


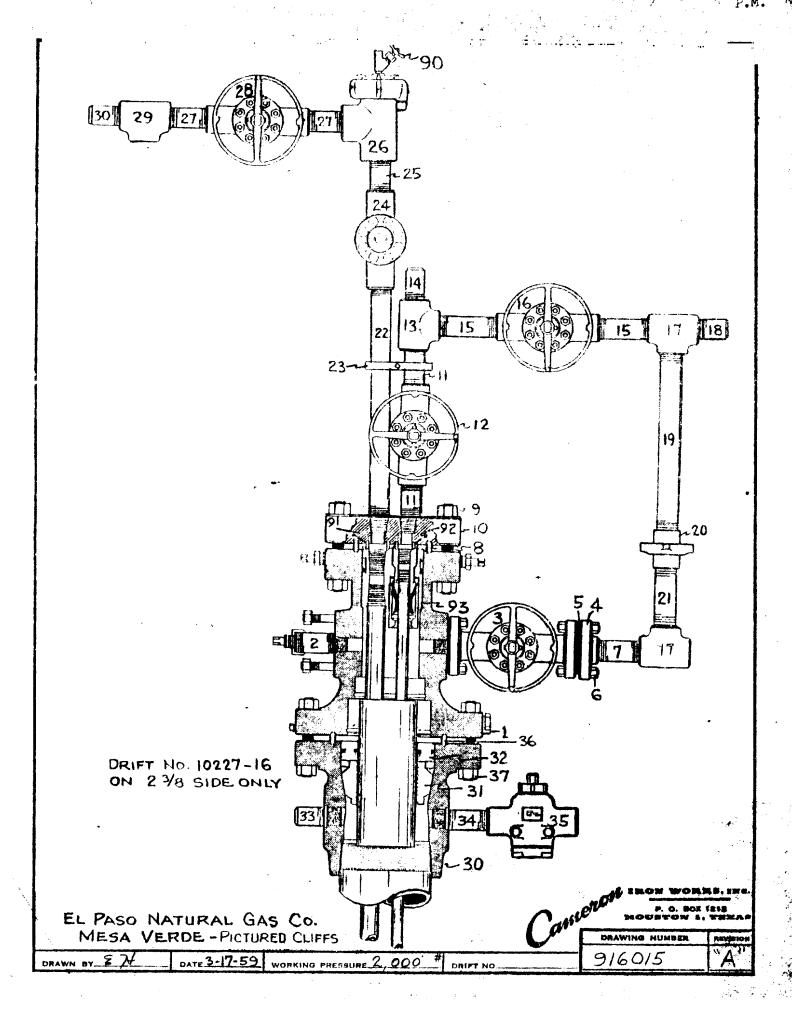
EL PASO NATURAL GAS COMPANY
EL PASO, TEXAS

SCALE DATE No.

FORM 7- 132R (10-56)

Schematic Diagram of Dually Completed El Paso Natural Gas Co. San Juan 28-7 Unit No. 71 (PM) SW/4 Section 34, T-28-N, R-7-W





OPEN FLOW TEST DATA

DUAL COMPLETION

DATE November 3, 1960

San Juan 28-7 No. 7	l (PC)
· c .	
County	State
Rio Arriba	New Mexico
Pool	
South Blanco PC	
Tubing: Diameter 1-1/4*	Set At: Feet 2831
Total Depth:	Shut In
5162 C/O 5150	8-23-60
Flow Through Casing	Flow Through Tubing
Y	
	Bouth Blanco PC Tubing: Diameter 1-1/4" Total Depth: 5162 C/O 5150

Choke Size, Inches Choke Constant: C •75		5-1/2" Liner from 2852 to 5163 Guiberson "Shorty" Pkr. at 2884			
Shut-In Pressure, Casing (PC)	, PSIG 1063	+ 12 - PSIA 1075	Days Shut-In	Shut-In Pressure, Tubing (PC) 1063	PSIG + 12 PSIA 1075
Flowing Pressure: P (Cag)	PSIG	+ 12 :: PSIA		Working Pressure: Pw (Tbg.) 116	PSIG - 12 - PSIA 128
Temperature: T 60 °F	Fr 1.0000	,85		Fpv (From Tables)	Gravity .680 Fg .9393

Initial SIPT (M) = 876 psig Final SIPT (M) = 879 psig

CHOKE VOLUME Q C x P, x F, x Fg x F_{PV}

Q : (12.365)(123)(1.0000)(.9393)(1.013)

=_____1447 MCF/D

Aof
$$\begin{pmatrix} 1,155,625 \\ 1,139,241 \end{pmatrix}$$
 (1.0143)*** (1447) = (1.0121)(1447)

Aof 1465 MCF/D

rested by W. D. Dewson

WITNESSED BY ...

Checked by T. B. Grant

Levis D. Galloury

EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

DUAL COMPLETION

DATE October 27, 1960

Operator R1 Paso Natural Gas Company		Sen Juan 28-7 No. 71 (MV)		
1840'8, 1150'W, 34-28H-7W		Rio Arriba	New Mexico	
Formation		Pool		
Mesa Verde		Blanco MV		
Casing: Diameter	Set At: Feet	Tubing: Diameter	Set At: Feet	
7-5/8 "	2883	2*	5102	
Pay Zone: From	To	Total Depth:	Shut In	
4454	5140	5163 C/0 5150	8-23-60	
Stimulation Method		Flow Through Casing	Flow Through Tubing	
Sund/Water Frac.			* x	

Choke Size, Inches	Choke Constant): C	5-1/2" Liner from 2852 to 5165 Guiberson "Shorty" Pkr. at 2884'		
0.750	12.	365	Guiberson "Shorty"	Pkr. at 2884	
Shut-in Pressure, Casing, (PC) 1064	PSIG + 12 - PSIA 1076	Days Shut-In 65	Shut-In Pressure, Tubing (MV) 983	PSIG + 12 = PSIA (NV) 995	
Flowing Pressure: P	PSIG + 12 = PSIA 278		Working Pressure: Pw Calc.	PSIG + 12 = PSIA 540	
Temperature:	9952 0.75		Fpv (From Tables)	Gravity	63

Initial SIPT (PC) = 1064 psig Final SIPC (PC) = 1071 psig

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

Q = 12.365 X 278 X .995 X .9463 X 1.028 = _______ 3328 MCF/D

OPEN FLOW = Aof = Q
$$\begin{pmatrix} & & & & \\ & & \frac{2}{P_c} & & \\ & & P_c & P_w \end{pmatrix}$$

Aof
$$\left(\begin{array}{c} 990,025 \\ 698,425 \end{array}\right)^n - (1.4175)^{\bullet 78} (3328) = (1.2990)(3328)$$

Aof - MCF/D

TESTED BY _____Tom Grent

WITNESSED BY____

Levis D. Galloway.