EL PASO NATURAL GAS COMPANY

P. O. Box 997 Farmington, N.M.

June 5, 1956

Mr. E. C. Arnold Oil Conservation Commission Aztec, New Mexico

Re: Packer Leakage Test on the EPNG Well, Heaton No. 8, NE 30-31-11, San Juan County, New Mexico.

Dear Mr. Arnold:

This well was dually completed in the Pictured Cliff and Mesa Verde sones. A production packer is set at 2568. This well was tested today with the following results obtained:

SIPC - 650 psig (Shut-in 9 days) SIPT - 1005 psig.

The casing was opened through a 3/4" choke at 9:50 A.M. and was left open for three hours.

Time	Casing Choke Pressure, Psig	Temp. of	Choke Vol. MCF/D	Tubing Pres. Psig
9:50	Opened casing			1,005
10:05	489	62	7,109	1,006
10:20	417	64	6,030	1,007
10:35	3 72	65	5,356	1,007
10:50	343	67	4,933	1,007
12:50	251	75	3,585	***

At 10:55 A.M., the tubing was opened through a 3/4" choke and was left open for three hours.

Time	Tubing Choke Pressure, Psig	Temp. oF	Choke Vol.	Casing Pres. Psig
10:55	Opened tubing			
12:50 1:05	Shut-in casing 324	81	4,493	419
1:20	317	81	4,395	465
1:35 1:50	311 306	81 81	կ,315 կ,2կկ	CIVERS
1:55	305	81	4,231	1306

The tubing was shut-in at 1:55 P.M.

This test indicates that there is no leakage past the production packer.

This test was witnessed by Mr. Fred Cook of the New Mexico Oil Conservation Commission.

Very truly yours,

H. L. Kendrick Gas Engineer

HLK/jla

cc: E. E. Alsup

D. H. Tucker

R. W. Harris

W. T. Hollis

C. C. Walker

W. M. Rodgers

Wayne Cheek

Drilling Department

B. D. Adams

Roland Hamblin

Jack Purvis

W. V. Holik

D. V. Rittman

C. C. Kennedy

E. J. Coel, Jr.

A. J. Dudenhoeffer

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Oil Conservation Commission, Santa Fe, N.M.



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OPEN FLOW TEST DATA

				Date:	June 5, 195		-
Operator:	El Paso Natur	al Gas Company	<u> </u>	Lease:	Heaton No.	8	
Lecation:	990'N, 1650'E	, Sec. 30-31-11		County:	San Juan	_ State:	N.H.
Formation:	Pictured Cl	iff		Pool:	Wildcat		
Casing:	7 " Se	4625	•	Tubing:	2 " Set	4767	
Pay Zone:	2412 · To	2jılı8	'	Total Depti	1: 4915 - c	/o - 4880	'
Choke Sime:	.750	-			tent = C =		·
Stimulation	Method: S	and Water Frac.	Flo	w Through:	Casing I	Tabing	-
Shut-In Pres	seure Casing:	650	psig / 12	E 662	psia (Shut	-in	days
Shut-In Pres	ssure Tubing:		psig / 12	=	psia		
Flowing Pres	saure: P :	251	psig / 12	= 263	peia		
Working Pre	ssure: P, :	Calculated	psig / 12	= 264	psia		
Temperature	: T :	75	o _F ≠ 460	= 535	O Absolute		
F_ (from t	ables) :	1.024	Gravity	.660	nn	.85	مرابع سین
Choke Volum		P _t x F _t x F _g x 5 x 263 x .9859		: <u> </u>	3585	MCF/D	
Open Flow =	Aof = Q	P _c ²	2 - P _w ²	n			
	Aof = 3585		3,2114 5,308	n35	85(1.1899) ·85	3585 x 1.	1592
	Aof =	777	56	MCF/I	701	956 COM	
Tested By:		. Kendrick			OIL COL		
Witnessed I	by: Mr. Fr	d Cook (NMOCC)					

Levis D. Halleway

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