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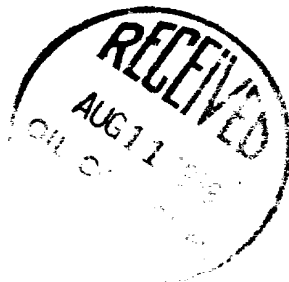
# El Paso Natural Gas Company

El Paso, Texas

August 7, 1958

ADDRESS REPLY TO  
POST OFFICE BOX 997  
FARMINGTON, NEW MEXICO

Mr. A. L. Porter  
Secretary and Director  
Oil Conservation Commission  
Box 871  
Santa Fe, New Mexico



Dear Sir:

This is a request for administrative approval for a well dually completed in the Blanco Mesa Verde Pool and South Blanco Pictured Cliffs Pool Extension. The El Paso Natural Gas Company San Juan 28-7 Unit No. 88 (PM) is located 830 feet from the North line and 1109 feet from the East line of Section 10, Township 27 North, Range 7 West, N.M.P.M., Rio Arriba County, New Mexico.

This well has been completed in the Point Lookout and Cliff House sections of the Mesa Verde formation and in the Pictured Cliffs formation. Completion has been accomplished in the following manner:

1. 10 3/4" surface casing set at 173 feet with 200 sacks of cement circulated to the surface.
2. 7 5/8" intermediate casing set at 3333 feet with 200 sacks of cement. Top of the cement is at 2180 feet, which is above the top of the Pictured Cliffs at 3143 feet.
3. 5 1/2" liner set from 3243 feet to 5585 feet with 300 sacks of cement.
4. The casing and liner were tested for leaks before perforating.
5. The Point Lookout section was perforated in five intervals and fractured with water and sand.
6. The Cliff House section was perforated in one interval and fractured with water and sand.
7. The Pictured Cliffs formation was perforated in two intervals and fractured with water and sand.
8. All perforations were cleaned out after treatment and completion was accomplished by setting a Guiberson "Shorty" Model production packer on 2" EUE tubing at 3307 feet with tubing perforations set opposite the Point Lookout perforations. 1 1/4" EUE tubing siphon string was run with tubing perforations set opposite the Pictured Cliffs perforations. The Point Lookout gas will be produced through the 2" tubing and the Pictured Cliffs gas through the casing.
9. Initial potential tests have been run and commercial production has been found in both zones. A packer leakage test has been run and witnessed by a member of the Aztec office of the Oil Conservation Commission. This test shows no communication in the well bore between the two producing formations.

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Administrative approval is requested for the dual completion to allow production from both known producing formations, eliminating the high initial cost of drilling two separate wells.

The acreage dedicated to this well is entirely within the boundaries of the San Juan 28-7 Unit. Since El Paso Natural Gas Company is the operator of this unit, approval to dually complete this well has not been sought from any other operator. Enclosed are:

- (a) Two copies of the schematic diagram of the mechanical installations.
- (b) Two copies of the affidavit signed by the field engineer in charge of operations stating that the packer used was set at the depth shown.
- (c) Two copies of the packer leakage test as observed by a member of the Oil Conservation Commission.
- (d) Two copies of the initial potential test showing commercial production from the two formations.
- (e) Two plats showing the location of the well and offset operators.

Copies of the electrical and radioactive logs will be sent to you under separate cover.

It is intended to dedicate the E/2 of Section 10, Township 27 North, Range 7 West to the Mesa Verde formation and the NE/4 of Section 10, Township 27 North, Range 7 West to the Pictured Cliffs formation.

Any further information required will be furnished upon your request. Thank you for your consideration in this matter.

Yours very truly,

ORIGINAL SIGNED E.S. OBERLY  
E. S. Oberly  
Division Petroleum Engineer

ESO:bjn

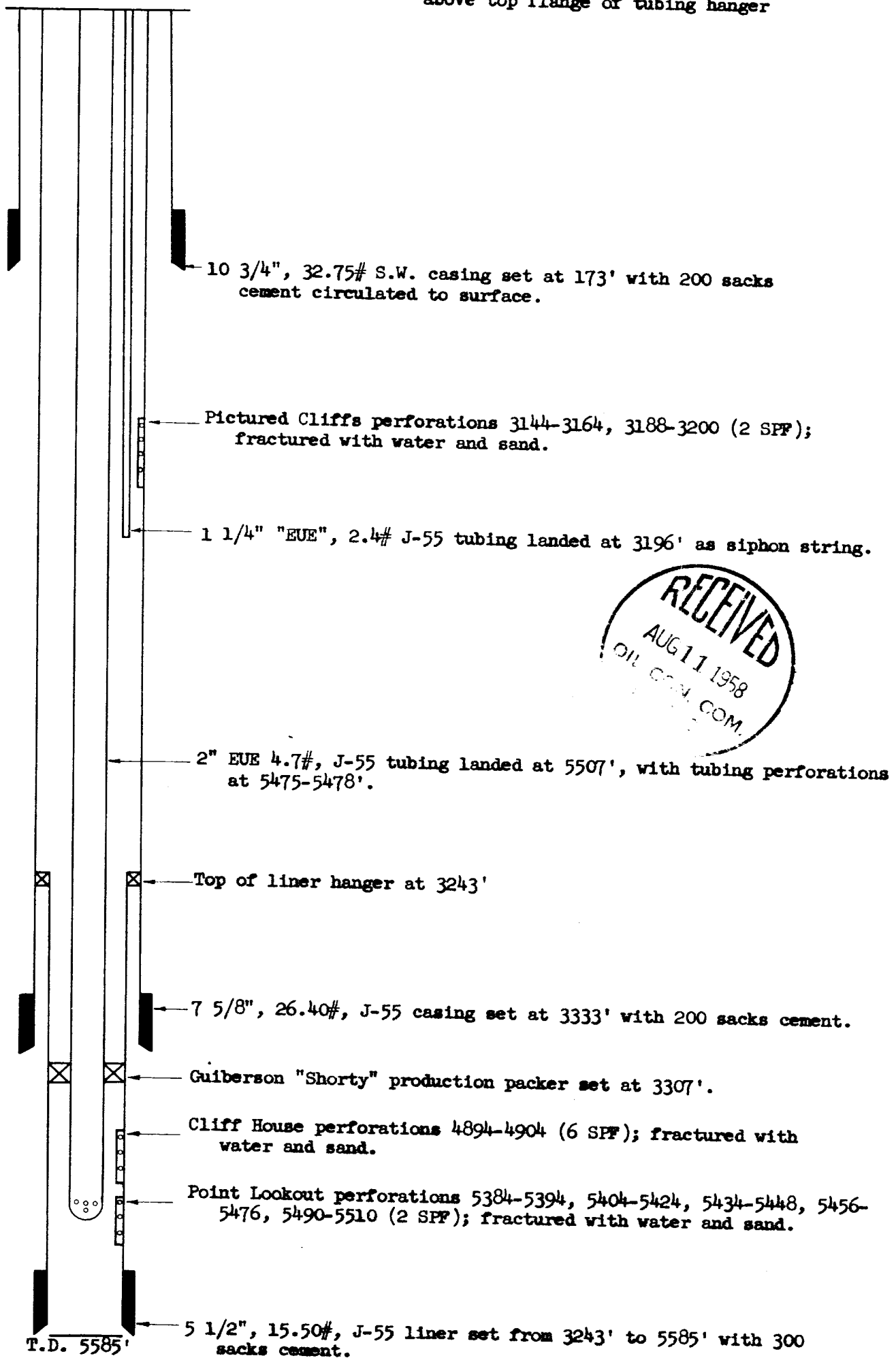
cc: NMOCC (2) (Emery Arnold)  
Sam Smith  
USGS (Phil McGrath)  
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SCHEMATIC DIAGRAM OF DUAL COMPLETION  
EL PASO NATURAL GAS COMPANY SAN JUAN 28-7 UNIT NO. 88 (PM)  
NE/4 Section 10, T-27N, R-7W

Dual String  
Xmas Tree

Zero reference point 10.0' feet  
above top flange of tubing hanger



STATE OF NEW MEXICO

COUNTY OF SAN JUAN

I, John J. Tillerson, being first duly sworn upon my oath depose and say as follows:

I am an employee of El Paso Natural Gas Company, and that on June 22, 1958, I was called to the location of the El Paso Natural Gas Company San Juan 28-7 Unit No. 88 (PM) Well located in the NENE/4 of Section 10, Township 27 North, Range 7 West, N.M.P.M., for the running of dual completion tubing strings and the installation of a production packer. In my presence, a Guiberson Model "Shorty" Production Packer was set in this well at 3307 feet in accordance with the usual practices and customs of the industry.

John J. Tillerson

Subscribed and sworn to before me, a Notary Public in and for San Juan County, New Mexico, the 9 day of Aug, 1958.

Paul D. Macchale  
Notary Public in and for San Juan County,  
New Mexico

My commission expires February 24, 1960.



EL PASO NATURAL GAS COMPANY

P. O. Box 997  
Farmington, New Mexico

August 8, 1958



Mr. E. C. Arnold  
Oil Conservation Commission  
1000 Rio Brazos Road  
Aztec, New Mexico

Re: Packer Leakage Test on the El Paso Natural Gas  
Company Well, San Juan 28-7 Unit 88 (PM)  
830N, 1109E; 10-27-7, Rio Arriba, New Mex.  
(Name - Location - Company)

Dear Mr. Arnold:

The subject well was dually completed in the Pictured Cliffs and Mesa Verde zones and a packer was set at 3307 feet. The Mesa Verde zone was tested through a  $3/4$ " choke for three hours July 9, 1958 with the following data obtained:

	PC SIFT	<u>1003</u>	psig;	Shut-in	<u>17</u>	days
	PC SIFT	<u>1004</u>	psig;			
	MV SIFT	<u>1082</u>	psig;	Shut-in	<u>17</u>	days
Time Minutes	(MV) Flowing Pressure Tubing Psig		(PC) SIFT (C) Psig		(MV) Working Pressure, Psig	Temp ° F
15		403		1005		64
30		337		1006		64
45		306		1006		65
60		289		1006		65
120		247		1006		66
180		224		1006	Calc. 455	67

The choke volume for the Mesa Verde was 2795 MCF/D with an AOF of 3250 MCF/D.

The Pictured Cliffs zone was tested July 30, 1958 with a  $3/4$ " choke for 3 hours with the following data obtained:

PC SIFT 1035 psig; Shut-in 38 days  
PC SIFT 1035 psig;  
MV SIFT 1084 psig; Shut-in 21 days

August 8, 1958

Time	(PC) Section	Caseing	(MV) Section	(T) Section	(PC) Section	Caseing
15		412	1085		460	61
30		317	1085		339	60
45		261	1086		281	62
60		224	1086		240	63
180		144	1087		154	64

1362 Pictured Cliffs 1822

Results of the above tests indicate that the rock is of the same type.

*Robert R. Davis*  
 Frank M. Clark  
 Robert R. Davis

FMC, RRD/nb

cc: [illegible]  
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