

NEW MEXICO OIL CONSERVATION COMMISSION

SANTA FE, NEW MEXICO

7-3-58

APPLICATION FOR DUAL COMPLETION

Field Name Blanco & South Blanco R. C. Ext.		County Rio Arriba	Date April 9, 1959
Operator El Paso Natural Gas Company		Lease San Juan 27-5 Unit	Well No. 45 (HM)
Location of Well K	Unit 6	Township 27N	Range 5N

1. Has the New Mexico Oil Conservation Commission heretofore authorized the dual completion of a well in these same pools or in the same zones within one mile of the subject well? YES ☒ NO ☐

2. If answer is yes, identify one such instance: Order No. **DC-657**; Operator, Lease, and Well No.:

San Juan 28-6 Unit No. 7C(H)

3. The following facts are submitted:	Upper Zone	Lower Zone
a. Name of reservoir	Pictured Cliffs	Mesa Verde
b. Top and Bottom of Pay Section (Perforations)	3362-3386	5156-5170 (Cliff House) 5550-5646 (Point Lookout)
c. Type of production (Oil or Gas)	Gas	Gas
d. Method of Production (Flowing or Artificial Lift)	Flowing	Flowing

4. The following are attached. (Please mark YES or NO)

Yes

a. Diagrammatic Sketch of the Dual Completion, showing all casing strings, including size and setting, top of cement, perforated intervals, tubing strings, including diameters and setting depth, location and type of packers and side door chokes, and such other information as may be pertinent.

Yes

b. Plat showing the location of all wells on applicant's lease, all offset wells on offset leases, and the names and addresses of operators of all leases offsetting applicant's lease.

No

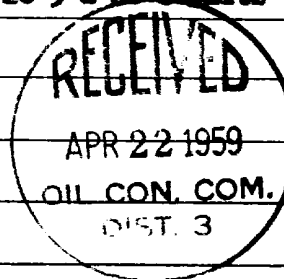
c. Waivers consenting to such dual completion from each offset operator, or in lieu thereof, evidence that said offset operators have been furnished copies of the application.*

No

d. Electrical log of the well or other acceptable log with tops and bottoms of producing zones and intervals of perforation indicated thereon. (If such log is not available at the time application is filed, it shall be submitted as provided by Rule 112-A.)

5. List all offset operators to the lease on which this well is located together with their correct mailing address.

El Paso Natural Gas Co. is operator of the San Juan 27-5; 28-5 & 28-6 Units



6. Were all operators listed in Item 5 above notified and furnished a copy of this application? YES ☐ NO ☐ . If answer is yes, give date of such notification _____.

CERTIFICATE: I, the undersigned, state that I am the **Div. Petroleum Engineer** of the **El Paso Natural Gas Co.** (company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.

ORIGINAL SIGNED E. S. OBERLY

Signature

* 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, David W. Meehan, 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 March 12, 1959, I was called to the location of the El
Paso Natural Gas Company San Juan 27-5 Unit No. 45 (PM) Well
located in the NESW/4 of Section 6, Township 27 North, Range 5
West, N.M.P.M., for advisory service in connection with installation
of a production packer. In my presence, a Baker Model "EGJ"
Production Packer was set in this well at 3576 feet in accordance
with the usual practices and customs of the industry.

David W. Meehan

Subscribed and sworn to before me this 9th day of April,
1959.

W. J. McCall
Notary Public in and for San Juan County,
New Mexico

My commission expires February 24, 1960.



1. The first part of the document is a letter from the

author to the editor of the journal.

The author states that the purpose of the study is to

investigate the effects of the new teaching method on

the learning outcomes of the students.

The author also mentions that the study was conducted

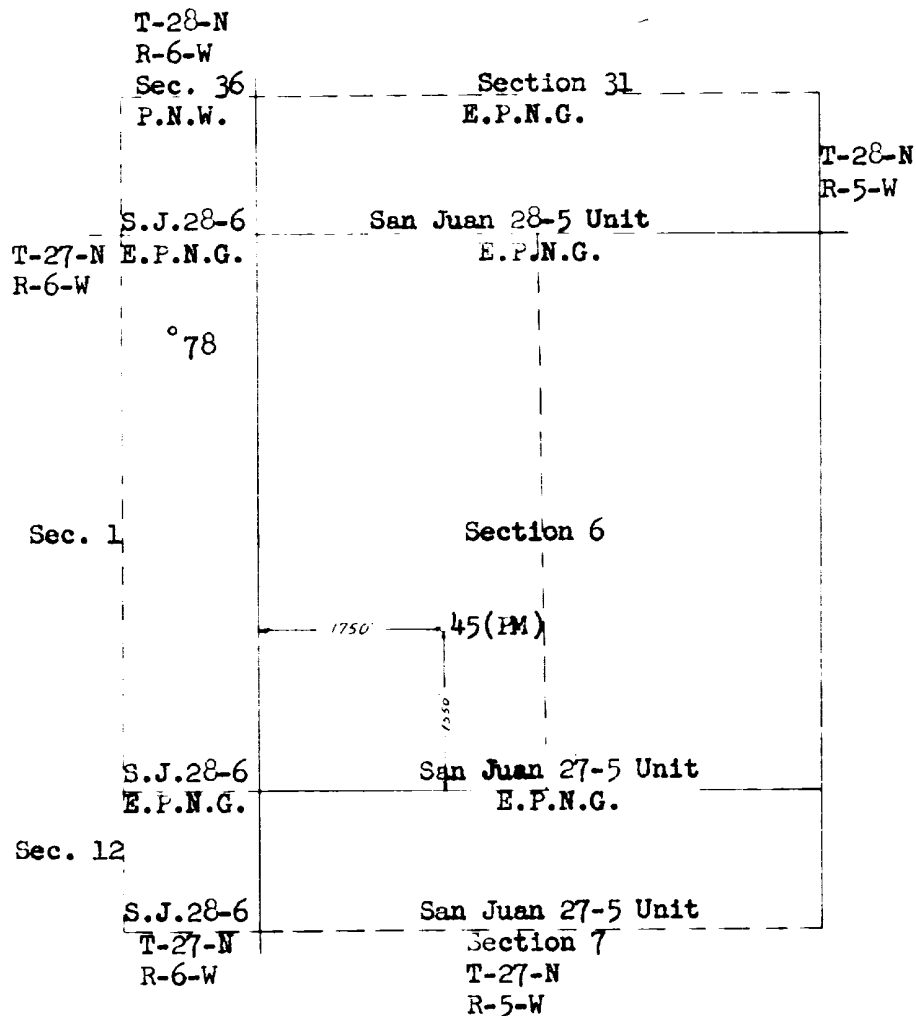
in a classroom setting with a group of students.

Signature

The author is a teacher at the school.

RECEIVED
SEP 15 1994
NOV 20 1994

Plat Showing Location of Dually Completed
El Paso Natural Gas Co. San Juan 27-5 Unit No. 45 (PM)
and Offset Acreage



EL PASO NATURAL GAS COMPANY
EL PASO, TEXAS

SCALE

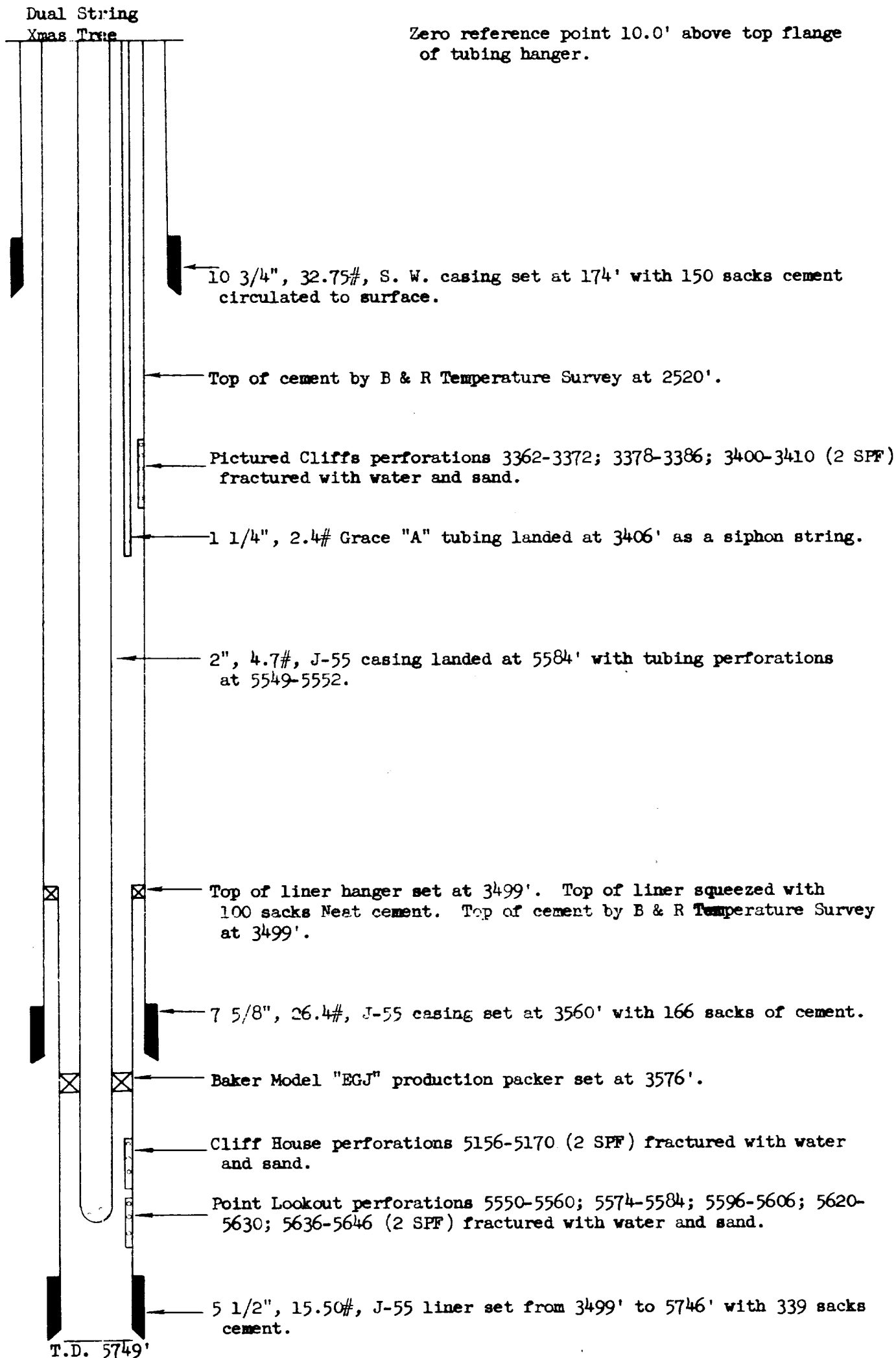
DATE

No.

DRAWN BY

CHECKED BY

Schematic Diagram of Dually Completed
El Paso Natural Gas Co. San Juan 27-5 Unit No. 45 (FM)
NESW Section 6, T-27-N, R-5-W



EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

EUAL COMPLETION

DATE March 30, 1959

Operator El Paso Natural Gas		Lease San Juan 27-5 No. 45 (P)	
Location 15508, 1750W; 6-27-5		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Point Undesignated	
Casing Diameter 7-5/8	Set At: Feet 3560	Tubing Diameter 1-1/4	Set At: Feet 3396
Pay Zone: From 3362	To 3410	Total Depth 5749 c/o 5705	Shut in 3/12/59
Stimulation Method Sand Water Frac.		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches .75		Choke Constant 12.365		5-1/2 liner 3499 - 5746	
Shut-in Pressure, Casing, (PC) 1042	PSIG - 12 - PSIA 1054	Days Shut-in 18	Shut-in Pressure, Tubing (PC) 1045	PSIG - 12 - PSIA 1057	
Flowing Pressure: P 3032	PSIG - 12 - PSIA 315		Working Pressure: Pw 315	PSIG - 12 - PSIA 327	
Temperature: T 61	.850		Sp. Gr. From Tables 1.031	Gravity .650	

Initial SIP: (MV) = 1076 psig
Final SIP: (MV) = 1080 psig

Packer at 3576

CHOKE VOLUME = $Q \times C \times P_c \times F_c \times F_g \times F_v$

$$Q = 12.365 \times 315 \times .9990 \times .9608 \times 1.031 = 3854 \text{ MCF/D}$$

$$\text{OPEN FLOW } Q = \left(\frac{P_c^2 - P_w^2}{P_c - P_w} \right)^n$$

$$Q = \left(\frac{1,117,249 - 1,010,320}{1,117,249 - 1,010,320} \right)^n \quad 1.1058^{.85} \times 3,854 = 1.0892 \times 3,854$$

$$Q = 4,198 \text{ MCF/D}$$

R. R. Davis

Lewis D. Galloway
L. D. Galloway

Lewis D. Galloway
L. D. Galloway