

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

OIL CONSERVATION COMMISSION  
BOX 871  
SANTA FE, NEW MEXICO

DATE 10-10-60

RE: Proposed NSP \_\_\_\_\_

Proposed NSL \_\_\_\_\_

Proposed NFO \_\_\_\_\_

Proposed DC ✓ \_\_\_\_\_

Gentlemen:

I have examined the application dated 7-27-60  
for the FPNG SSU #10 1A - 10-30N-10W  
Operator Lease and Well No. S-T-R

and my recommendations are as follows:

66-21178  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Yours very truly,

James C. Linnell  
OIL CONSERVATION COMMISSION

# NEW MEXICO OIL CONSERVATION COMMISSION

SANTA FE, NEW MEXICO

7-3-58

## APPLICATION FOR DUAL COMPLETION

Field Name <b>Blanco Mesa Verde &amp; Wildcat Pictured Cliffs</b>		County <b>San Juan</b>	Date <b>September 21, 1960</b>
Operator <b>El Paso Natural Gas Company</b>		Lease <b>San Juan</b>	Well No. <b>10 (PM)</b>
Location of Well <b>M</b>	Unit <b>10</b>	Township <b>30N</b>	Range <b>10W</b>

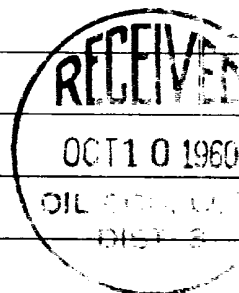
1. Has the New Mexico Oil Conservation Commission heretofore authorized the dual completion of a well in these same pools or in the same zones within one mile of the subject well? YES ☐ NO ☒
2. If answer is yes, identify one such instance: Order No. \_\_\_\_\_; Operator, Lease, and Well No.:

3. The following facts are submitted:	Upper Zone	Lower Zone
a. Name of reservoir	<b>Pictured Cliffs</b>	<b>Mesa Verde</b>
b. Top and Bottom of Pay Section (Perforations)	<b>3088-3130</b>	<b>5374-5456</b>
c. Type of production (Oil or Gas)	<b>Gas</b>	<b>Gas</b>
d. Method of Production (Flowing or Artificial Lift)	<b>Flowing</b>	<b>Flowing</b>

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.



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 **Division Petroleum Engr.** 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, D. H. Oheim, 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 August 7, 1960, I was called to the location of the  
El Paso Natural Gas Company San Juan No. 10 (FM) Well located in  
the SWSW/4 of Section 10, Township 30 North, Range 10 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 5293 feet in accordance with the usual practices and  
customs of the industry.

D. H. Oheim

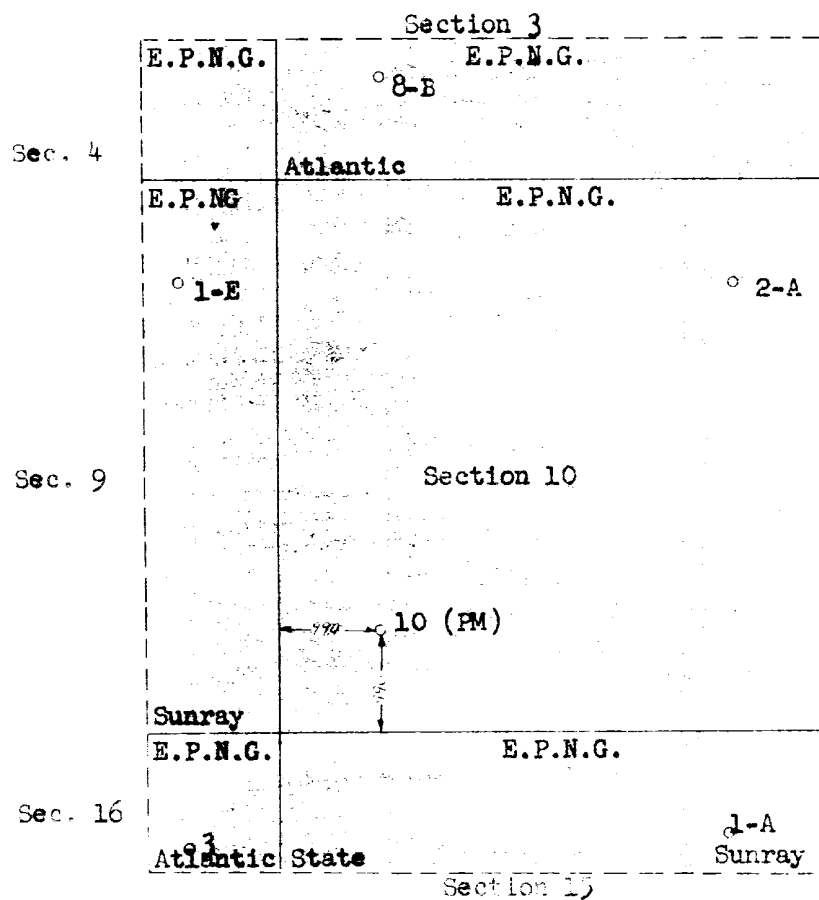
Subscribed and sworn to before me this 28th day of  
September, 1960.

Laurence Blas Hall  
Notary Public in and for San Juan County,

1940

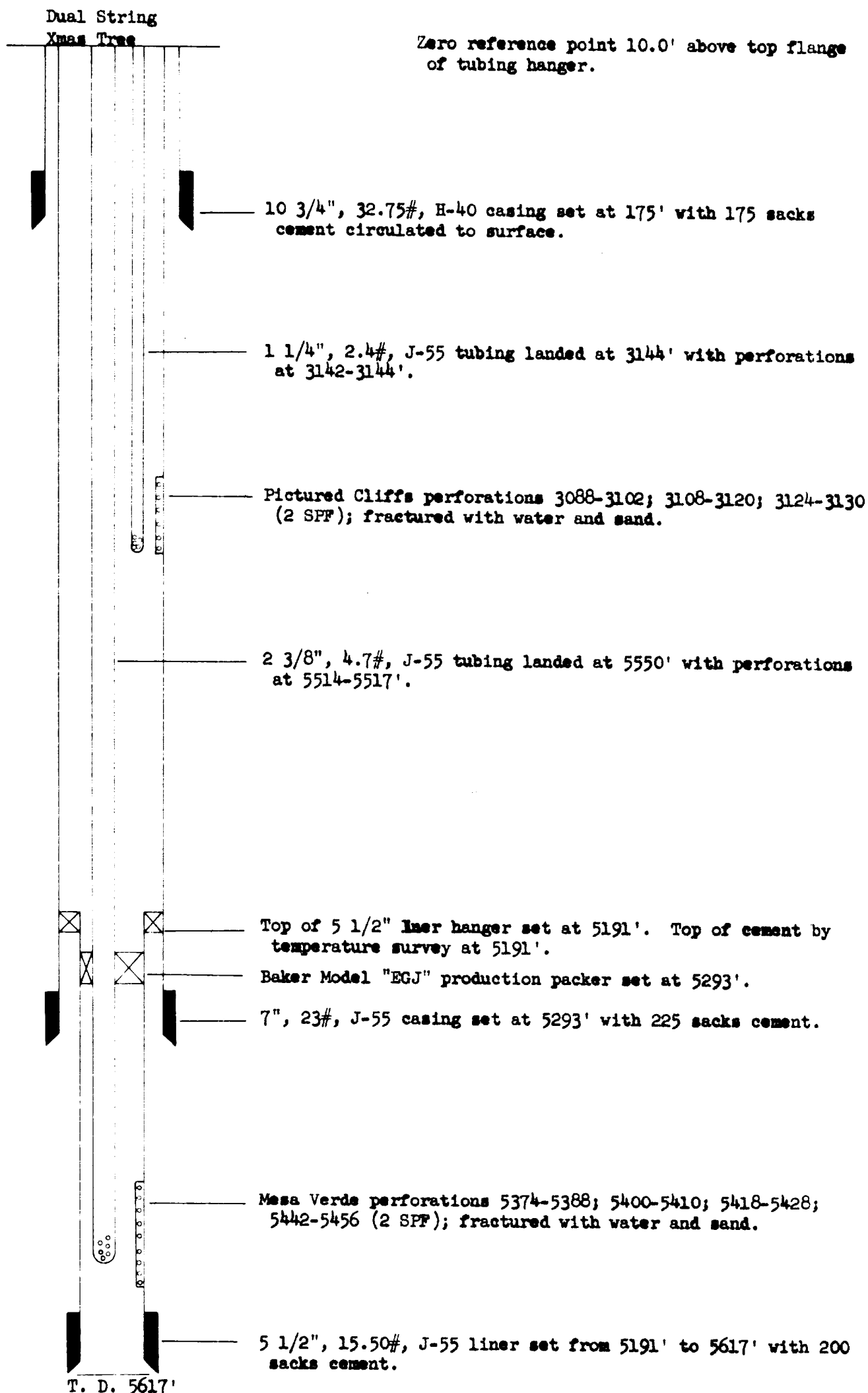
PLAT SHOWING LOCATION OF DUALY COMPLETED  
El Paso Natural Gas Co. San Juan No. 10 (PM)  
and Offset Acreage

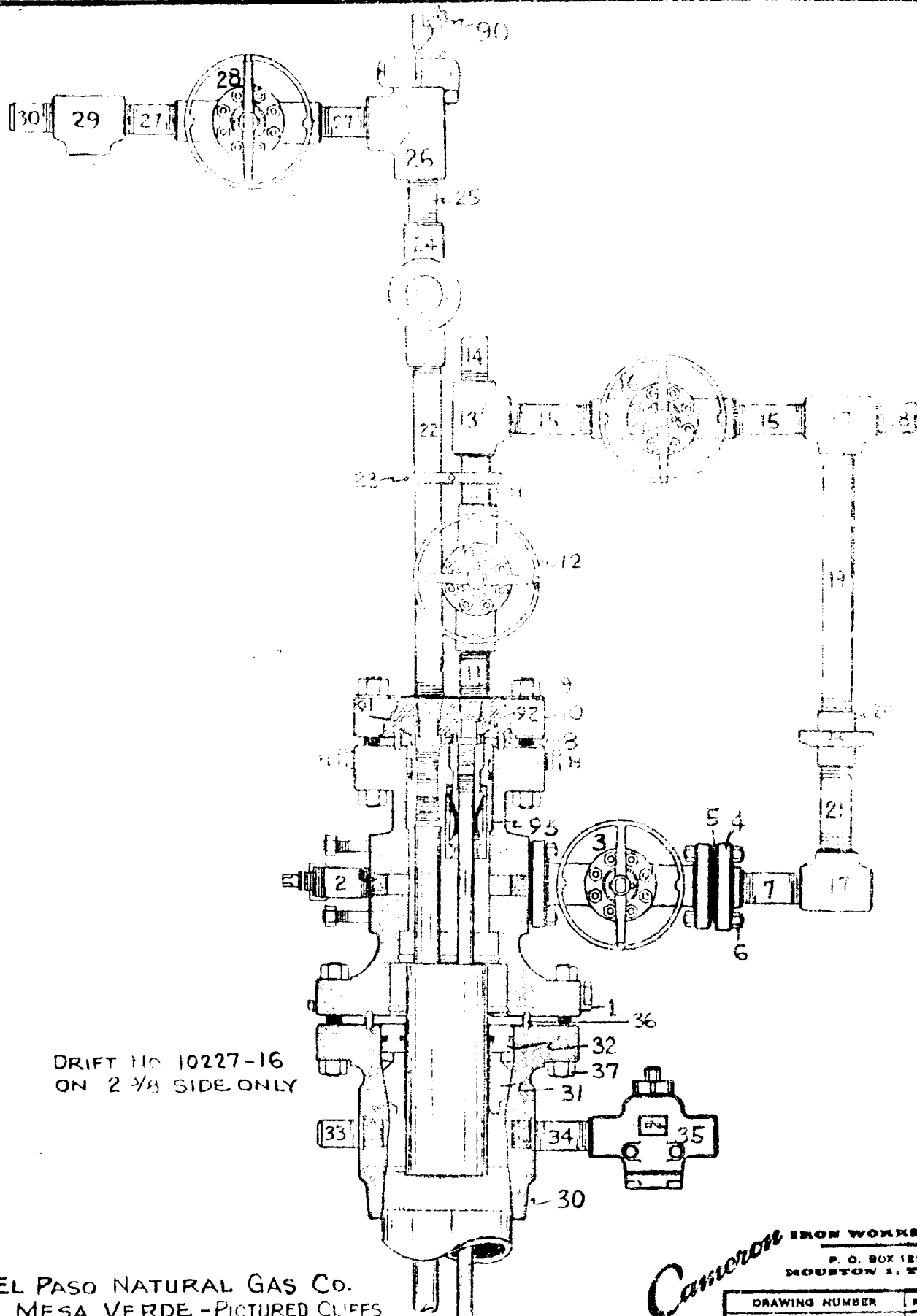
T-30-N  
R-10-W



EL PASO NATURAL GAS COMPANY  
EL PASO, TEXAS

SCHEMATIC DIAGRAM OF DUAL COMPLETION  
 El Paso Natural Gas Co. San Juan No. 10 (PM)  
 SW/4 Section 10, T-30-N, R-10-W





DRIFT NO. 10227-16  
ON 2 3/8 SIDE ONLY

EL PASO NATURAL GAS Co.  
MESA VERDE - PICTURED CLIFFS

**Cameron** IRON WORKS, INC.  
P. O. BOX 1212  
HOUSTON 1, TEXAS

DRAWING NUMBER	REVISION
916015	"A"

DRAWN BY E. H. DATE 3-17-59 WORKING PRESSURE 2,000 # DRIFT NO. \_\_\_\_\_

EL PASO NATURAL GAS COMPANY  
OPEN FLOW TEST DATA

DUAL COMPLETION

DATE August 16, 1960

Operator <b>El Paso Natural Gas Co.</b>	Lease <b>San Juan No. 10 (OWO) (MV)</b>
Location <b>990B, 990W; 10-30N-10W</b>	County <b>San Juan</b> State <b>New Mexico</b>
Formation <b>Mesaverde</b>	Pool <b>Blanco</b>
Casing: Diameter <b>7"</b> Set At: Feet <b>5293</b>	Tubing: Diameter <b>2"</b> Set At: Feet <b>5540</b>
Pay Zone: From <b>5374</b> To <b>5456</b>	Total Depth <b>5617 c/o 5614</b> Shut in <b>8/7/60</b>
Stimulation Method <b>Sand Water Frac.</b>	Flow Through Casing <b>X</b> Flow Through Tubing <b>X</b>

Choke Size, Inches <b>.75</b>	Choke Constant: C <b>12.365</b>	<b>5-1/2" liner from 5191 to 5617 Baker "EGJ" Packer at 5293</b>
Shut-In Pressure, Casing, PSIG <b>(PC) 873</b>	PSIA <b>885</b>	Shut-In Pressure, Tubing, PSIG <b>866 (MV)</b> PSIA <b>878</b>
Flowing Pressure, P, PSIG <b>185</b>	PSIA <b>197</b>	Working Pressure: Pw, PSIG <b>Calc. 389</b>
Temperature: T, °F <b>68</b>	Gravity <b>.9463</b>	Eqv. From Tables: <b>1.019</b>
<b>.9924</b>	<b>.75</b>	<b>.670</b>

Initial SIPC (PC) = 873 psig

Final SIPC (PC) = 876 psig

CHOKE VOLUME  $Q = C \times P_r \times F_p \times F_g \times F_{lv}$

$$Q = 12.365 \times 197 \times .9924 \times .9463 \times 1.019$$

2331

MCF/D

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

$$A_{of} = \left( \frac{770884}{619563} \right)^n$$

$$1.2442^{.75} \times 2331 = 1.1782 \times 2331$$

Aof

2746

MCF/D

Blew down in 5 min. Unloaded - then  
blew very light fog.

TESTED BY **Frank Clark**

WITNESSED BY

Checked By W. D. Dawson

*Lewis D. Galloway*  
L. D. Galloway