

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

File

OIL CONSERVATION COMMISSION
BOX 871
SANTA FE, NEW MEXICO

DATE 6-3-60

RE: Proposed NSP _____

Proposed NSL _____

Proposed NFO _____

Proposed DC ✓ _____

Gentlemen:

I have examined the application dated 5-24-60
for the EPNG RINCONITO 129(MD) K-29-27N-6W
Operator Lease and Well No. S-I-R _____

and my recommendations are as follows:

Approve

Yours very truly,

OIL CONSERVATION COMMISSION

A. R. Ferguson

NEW MEXICO OIL CONSERVATION COMMISSION

SANTA FE, NEW MEXICO

7-3-58

APPLICATION FOR DUAL COMPLETION

Field Name <u>Blanco Mesa Verde - South Blanco Lookout</u>		County <u>San Arriba</u>	Date <u>May 24, 1960</u>
Operator <u>El Paso Natural Gas Company</u>		Lease <u>Rincon Unit</u>	Well No. <u>129 (MD)</u>
Location of Well <u>29</u>	Unit <u>27N</u>	Section <u>6E</u>	Range

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-928; Operator, Lease, and Well No.:

El Paso Natural Gas Company Rincon Unit No. 130 (MD)

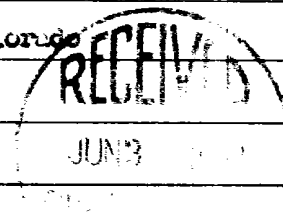
3. The following facts are submitted:	Upper Zone	Lower Zone
a. Name of reservoir	<u>Mesa Verde</u>	<u>Delata</u>
b. Top and Bottom of Pay Section (Perforations)	<u>5396-5564 (Point Lookout)</u>	<u>7403-7460 (Graneros) 7524-7628 (Dakota)</u>
c. Type of production (Oil or Gas)	<u>Gas</u>	<u>Gas</u>
d. Method of Production (Flowing or Artificial Lift)	<u>Flowing</u>	<u>Flowing</u>

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.

Caulkins Oil Co., 1130 First National Bank Building, Denver 2, Colorado



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 May 24, 1960

CERTIFICATE: I, the undersigned, state that I am the Asst. Division Petroleum Engr. of the El Paso Natural Gas Company (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 F. H. WOOD
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. 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 26, 1960, I was called to the location of the El Paso Natural Gas Company Rincon Unit No. 129 (MD) Well located in the NESW of Section 29, Township 27 North, Range 6 West, N.M.P.M., for advisory service in connection with installation of a production packer. In my presence, a Baker Model "D" Production Packer was set in this well at 6490 feet in accordance with the usual practices and customs of the industry.

D. W. Meehan

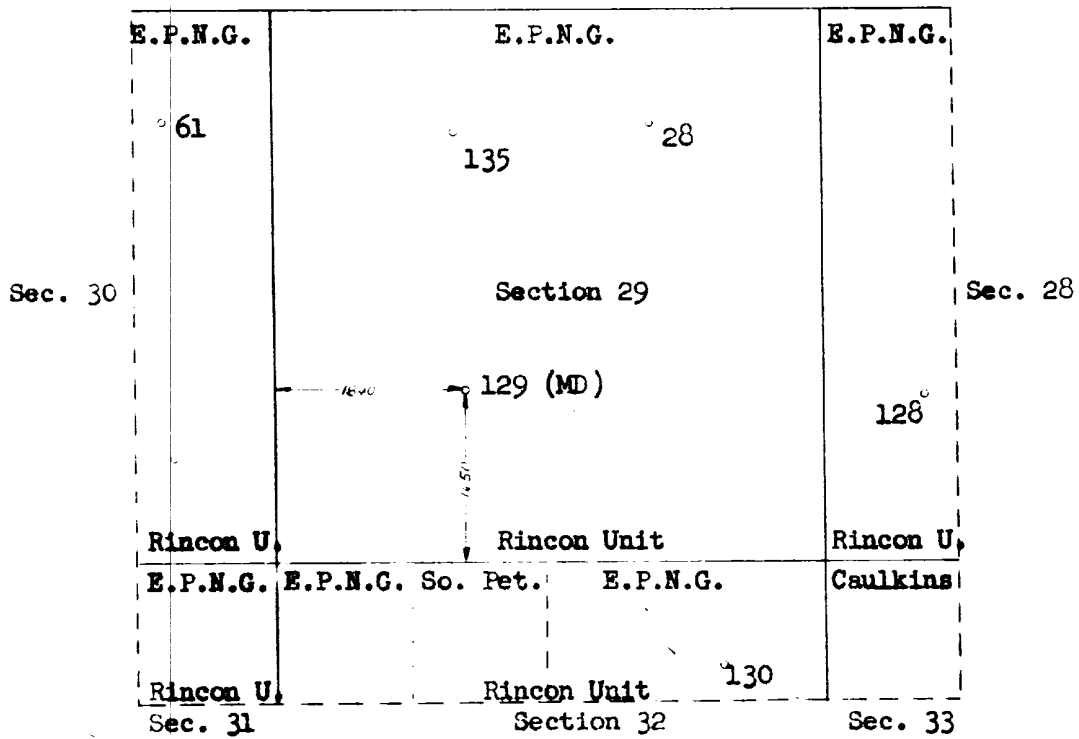
Subscribed and sworn to before me this 25th day of May, 1960.

Lawrence Blair Hall
Notary Public in and for San Juan County,
New Mexico

My commission expires
My Commission Expires 6-21-61

**PLAT SHOWING LOCATION OF DUALY COMPLETED
El Paso Natural Gas Co. Rincon Unit No. 129 (MD)
and Offset Acreage**

T-27-N
R-6-W



EL PASO NATURAL GAS COMPANY
EL PASO, TEXAS

SCALE

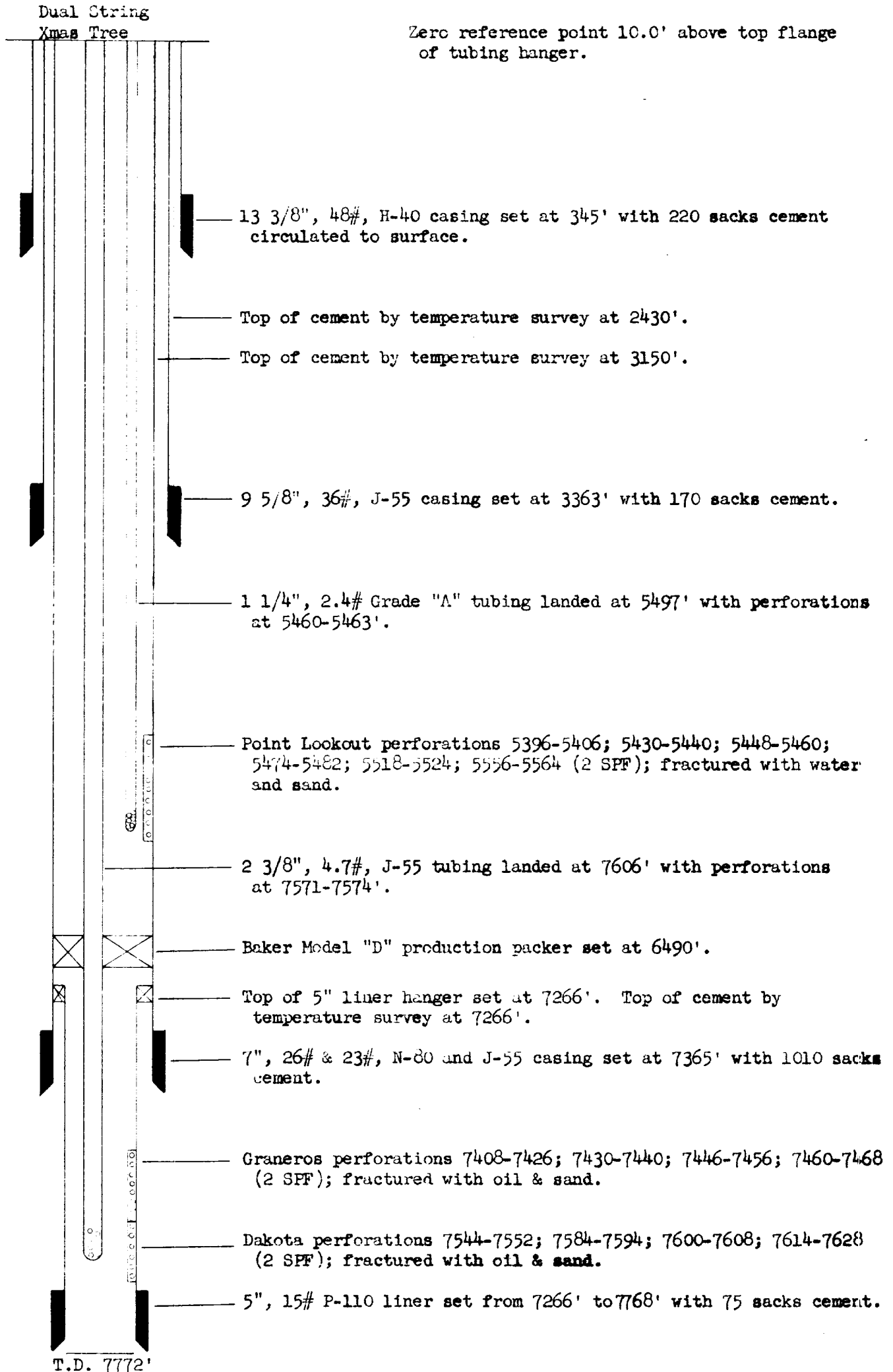
DATE

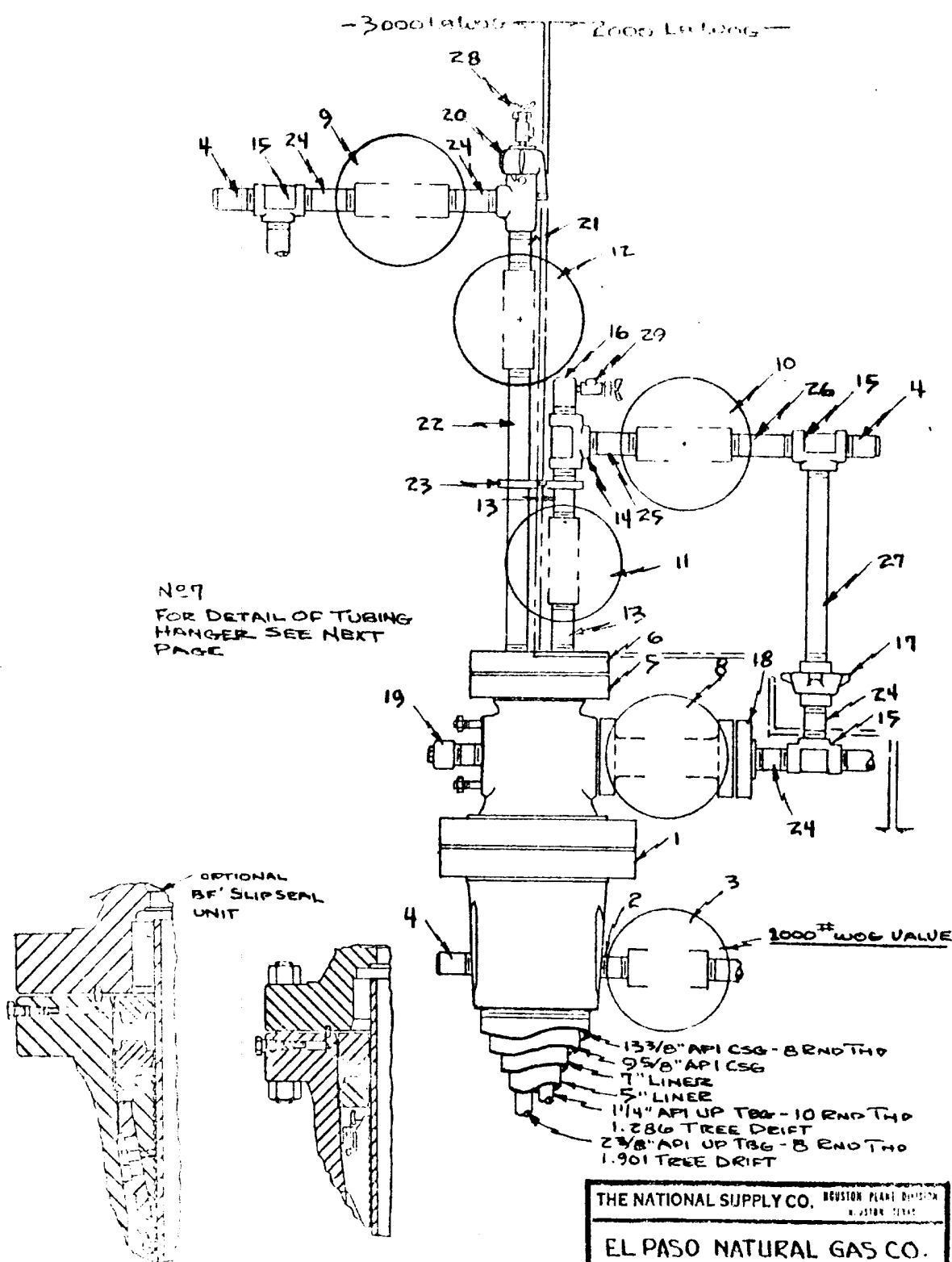
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DRAWN BY

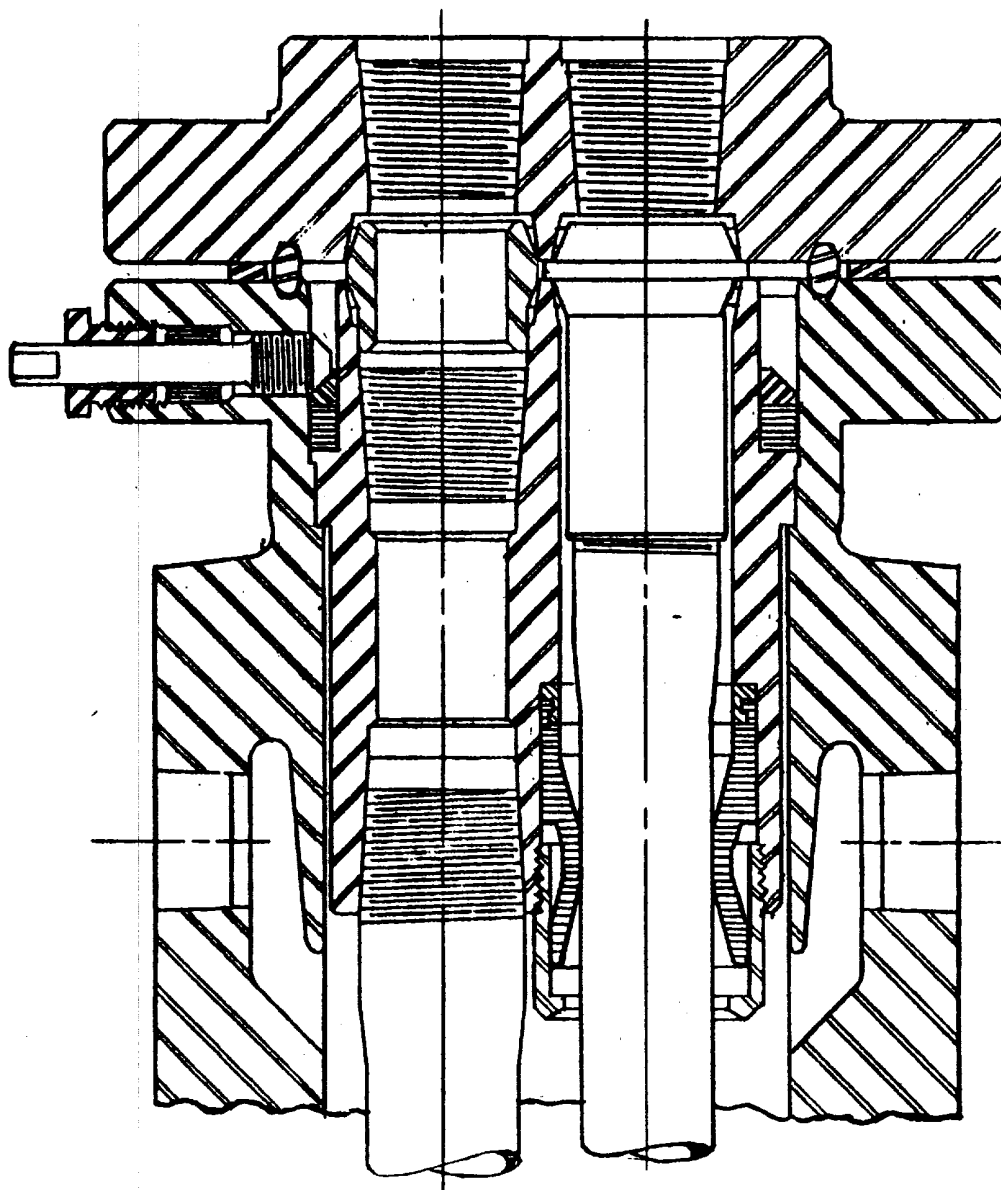
CHECKED BY

SCHEMATIC DIAGRAM OF DUAL COMPLETION
El Paso Natural Gas Co. Rincon Unit No. 129 (MD)
SW/4 Section 29, T-27-N, R-6-W





THE NATIONAL SUPPLY CO. HOUSTON PLANT DIVISION HOUSTON, TEXAS		
EL PASO NATURAL GAS CO.		
SCALE 3-5-59 DRAWN D. J. A.	SUPERSEEDING	35690



EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DUAL COMPLETION

DATE April 7, 1960

Operator El Paso Natural Gas Company		Lease Rincon Unit No. 129 (D)	
Location 16508, 1840W; 29-27-6		County Rio Arriba	State New Mexico
Formation Dakota		Pool Undesignated	
Casing Diameter 5	Set At Feet 7768	Tubing Diameter 2	Set At Feet 7594
Flow Zone From 7408	7628	Test Interval 7771 c/o 7724	XXXX Re-SI 3/28/60
Stratification Method Sand Oil Frac.		Flow Through Tubing X	

Choke Size, Inches .75	Choke Constant 12.365	7" at 7365; 5" liner 7266 - 7768	
Shut-in Pressure, PSIG 1268 (MV)	PSIG - 12 - PSIA 1280	Shut-in Pressure, Tubing 2321 (D)	PSIG - 12 - PSIA 2333
Flowing Pressure, P 532	PSIG - 12 - PSIA 544	Working Pressure - Pw Calc.	PSIG - 12 - PSIA 1225
Temperature: T 72 F	.9887	Specific Gravity 1.057	Gravity .670 Fg .9463

Initial SIPT (MV) = 1268 psig
Final SIPC (MV) = 1287 psig

Packer - Baker Model "D" at 6490

CHOKE VOLUME $Q = C \times P_1 \times P_2 \times F_1 \times F_2 \times F_3$

$$Q = 12.365 \times 544 \times .9887 \times .9463 \times 1.057$$

6651

MCF/D

OPEN FLOW $Q = \left(\frac{P_1^2 - P_2^2}{P_w^2} \right)^n$

$$Q = \left(\frac{5442889}{3942264} \right)^n$$

$$6651 \times 1.3806^{.75} = 6651 \times 1.2737$$

8471

MCF/D

TESTED BY **S. V. Roberts**

WITNESSED BY

Lewis D. Galloway
L. D. Galloway

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DUAL COMPLETION

DATE April 18, 1960

Operator El Paso Natural Gas Company		Lease Rincon Unit No. 129 (M)	
Location 16508, 1840W; 29-27-6		County Rio Arriba	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing Diameter 7	Set At Feet 7365	Tubing Diameter 1-1/4	Set At Feet 5485
Pay Zone From 5396	To 5564	Total Depth 7771 c/o 7724	XXXX Re-S.I. 3/28/60
Stimulation Method Sand Oil Frac.		Flow From Casing X	Flow Through Tubing

Choke Size, Inches .75	Choke Constant 12.365	7" at 7365	
Shut-In Pressure, PSIG 1308	PSIG - 12 - PSIA 1320	Shut-In Pressure, PSIG 1308	PSIG - 12 - PSIA 1320
Flowing Pressure, PSIG 223	PSIG - 12 - PSIA 235	Working Pressure, PSIG 256	PSIG - 12 - PSIA 268
Temperature, °F 59	1.001	Exp. From Tables 1.029	Gravity .710
	.75		.9193

Initial SIPT (D) = 2382 psig
Final SIPT (D) = 2398 psig

Baker Model "D" at 6490

CHOKE VOLUME $Q = C \times P_1 \times F_1 \times F_g \times F_v$

$$Q = 12.365 \times 235 \times 1.0010 \times .9193 \times 1.029$$

2751

MCF/D

$$\text{OPEN FLOW } A_{sf} = Q \left(\frac{P_1^2 - P_2^2}{P_1^2 - P_w^2} \right)^n$$

Note: High shut-in pressure of MV zone may be due to previous packer leakage which we believe to have been corrected now. Additional tests will be conducted when well is producing into line.

$$A_{sf} = \left(\frac{1742400}{1670576} \right)^n$$

$$1.0429^{.75} \times 2751 = 1.0320 \times 2751$$

$$A_{sf} = 2839 \text{ MCF/D}$$

TESTED BY **Jesse B. Goodwin**

WITNESSED BY

Checked By **H. L. Kendrick**

L. D. Galloway
L. D. Galloway