

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

OIL CONSERVATION COMMISSION
BOX 871
SANTA FE, NEW MEXICO

DATE 7-24-60

RE: Proposed NSP _____

Proposed NSL _____

Proposed NFO _____

Proposed DC ✓

Gentlemen:

I have examined the application dated 7-2-60
for the F. R. G. R. M. U. T. # 128 1-28-27A-60
Operator Lease and Well No. S-T-R

and my recommendations are as follows:

Approved

Yours very truly,

Emory C. Chandler
OIL CONSERVATION COMMISSION

NEW MEXICO OIL CONSERVATION COMMISSION

SANTA FE, NEW MEXICO

7-3-58

APPLICATION FOR DUAL COMPLETION

Field Name Blanco Mesa Verde & Co. Blanco Dak. Ext.		County Rio Arriba	Date June 22, 1960
Operator El Paso Natural Gas Company		Lease Rincon Unit	Well No. 128 (MD)
Location of Well L	Unit 26	Section 37N	Range 3N

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-320** ; Operator, Lease, and Well No.:

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

3. The following facts are submitted:	Upper Zone	Lower Zone
a. Name of reservoir	Mesa Verde	Dakota
b. Top and Bottom of Pay Section (Perforations)	5347-5544	7411-7470 (Gruberos) 7540-7632 (Middle & Upper Dakota)
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.

Caulkins Oil Company - 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 **June 22, 1960**

CERTIFICATE: I, the undersigned, state that I am the **Asst. 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 **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. H. Oheim, being first duly sworn upon my oath
depose and say as follows:

I am an employee of El Paso Natural Gas Co., and that
on May 4, 1960, I was called to the location of the El Paso Natural
Gas Company Rincon Unit No. 128 (MD) Well located in the NWSW/4 of
Section 28, 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 6210 feet in accordance with the usual practices and customs of the
industry.



Subscribed and sworn to before me this 22nd day of
June, 1960.



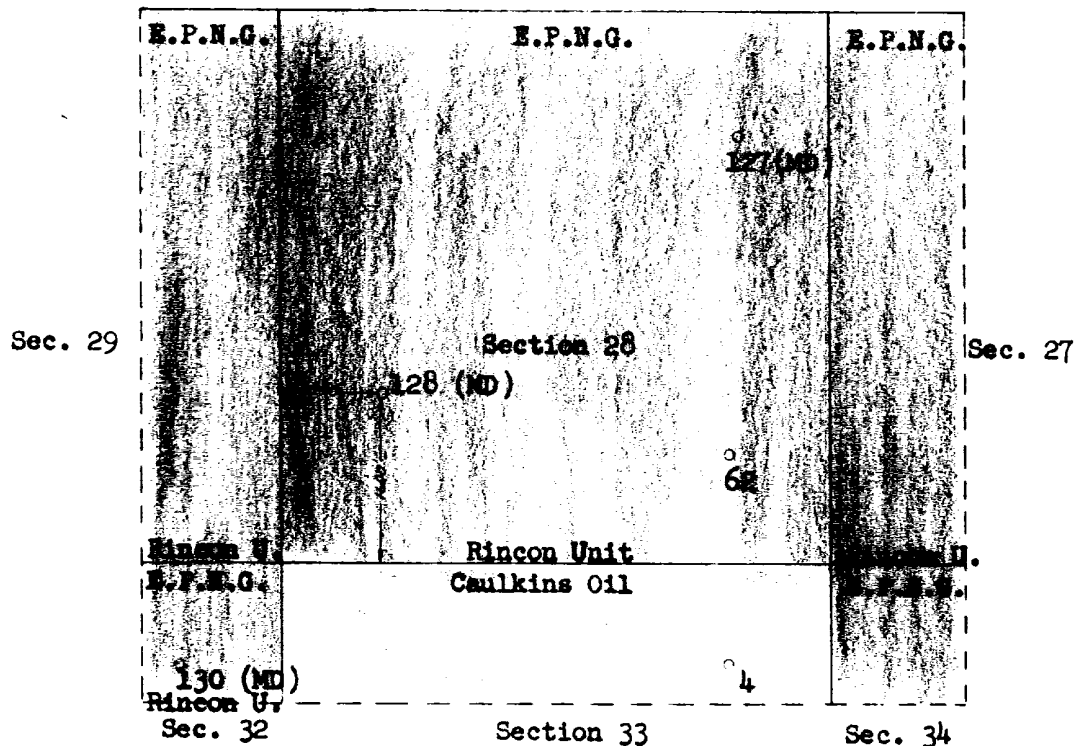
Notary Public in and for San Juan County,
New Mexico

.. Commission Expires 6-21-61
My commission expires

PLAT SHOWING LOCATION OF DUALY COMPLETED
El Paso Natural Gas Co. Rincon Unit No. 128 (MD)
and Offset Acreage

T-27-N

R-6-W



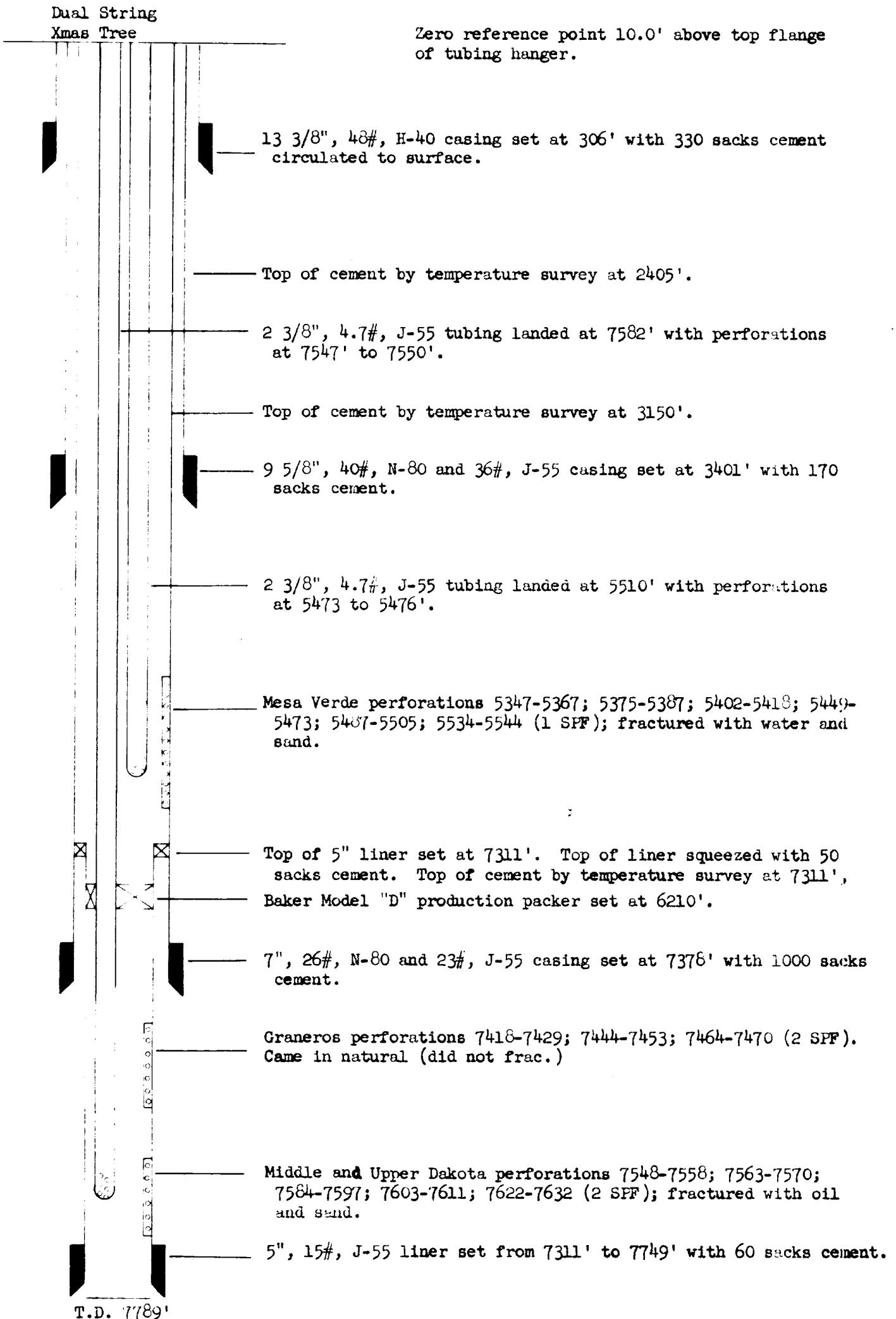
EL PASO NATURAL GAS COMPANY
EL PASO, TEXAS

SCALE
DRAWN BY

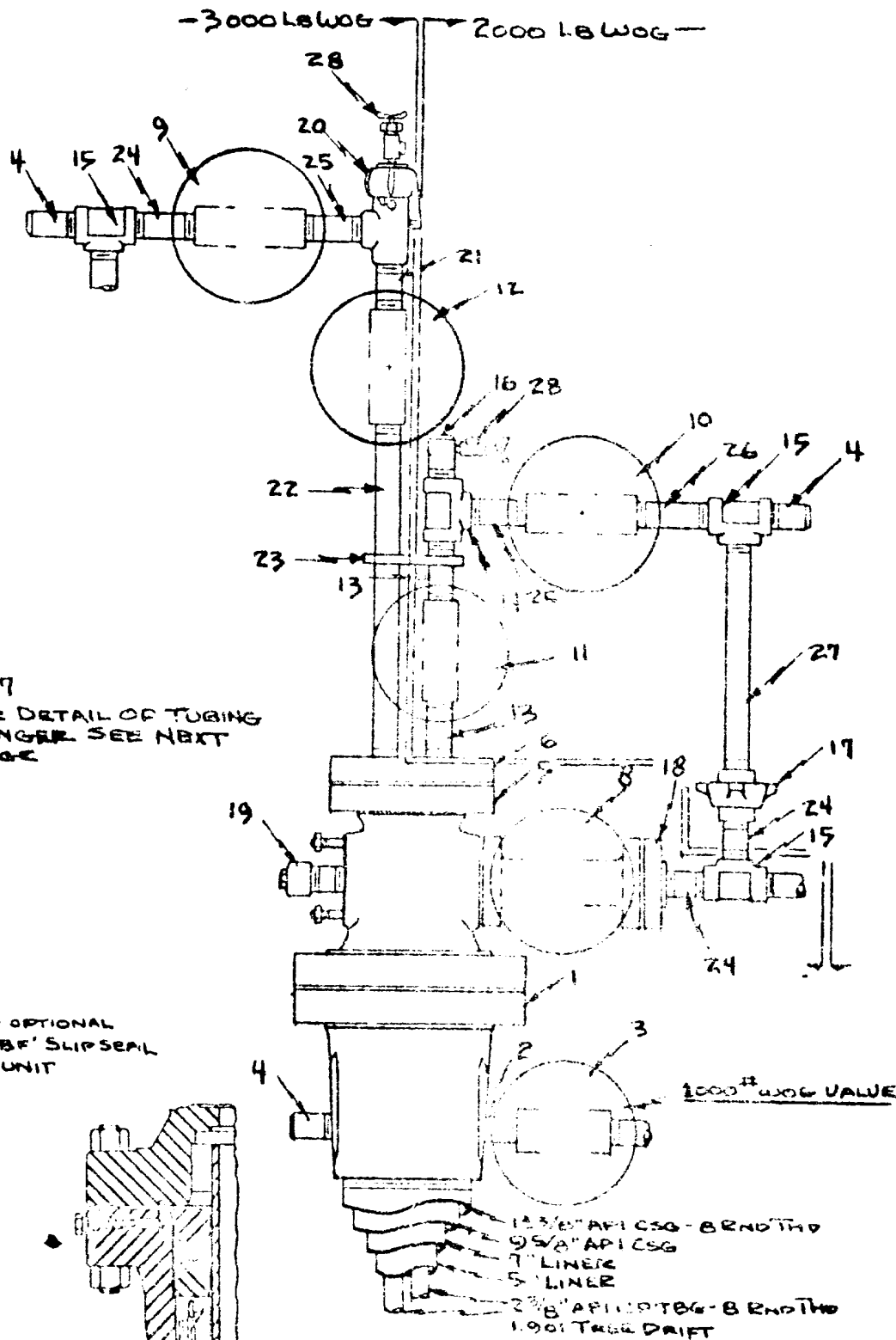
DATE
CHECKED BY

No.

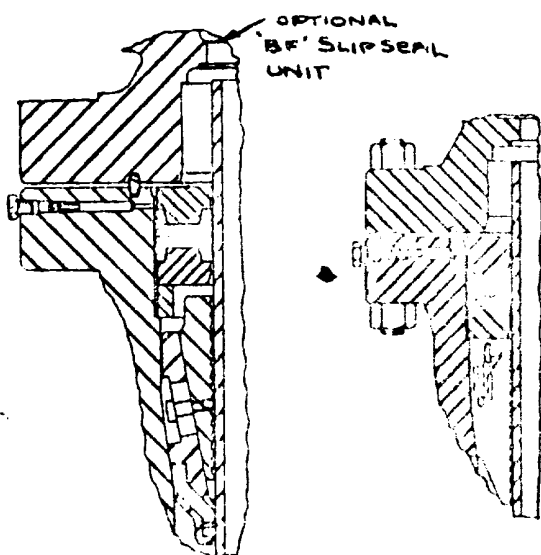
SCHEMATIC DIAGRAM OF DUAL COMPLETION
El Paso Natural Gas Co. Rincon Unit No. 128 (MD)
SW/4 Section 28, T-27-N, R-6-W



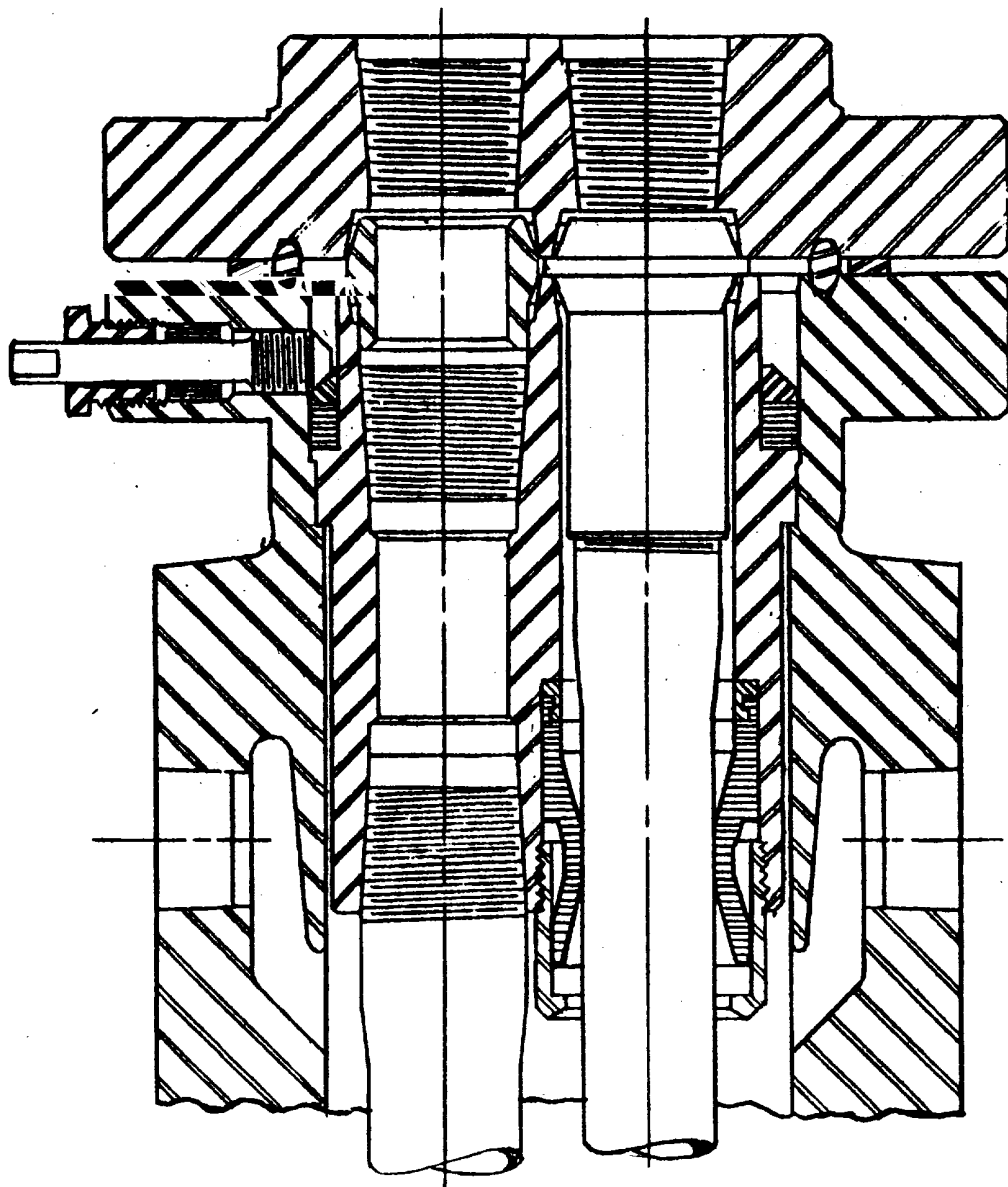
T.D. 7789'



Nº 7
 FOR DETAIL OF TUBING
 HANGER SEE NEXT
 PAGE



THE NATIONAL SUPPLY CO. INDEPENDENT DIVISION HOUSTON, TEXAS	
EL PASO NATURAL GAS CO.	
SCALE 1" = 5'-0"	REVISIONS 35689



EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DUAL COMPLETION

DATE **May 18, 1960**

Operator	El Paso Natural Gas Co.	Lease	Rincon Unit No. 128 (D)
Location	1600S, 990W; 28-27-6	County	Rio Arriba
Formation	Sakata	State	New Mexico
Casing: Diameter	5"	Pool	Undesignated
Set At: Feet	7787	Tubing: Diameter	2"
Pay Zone: From	7418	Set At: Feet	7572
To	7632	Total Depth	7789 E/o 7650
Stimulation Method	Sand Oil Frac.	Shut In	5/8/60
		Flow Through Casing	Flow Through Tubing
			X

Choke Size, Inches		Choke Constant: C		5" liner 7311-7787	
.75		12.365			
Shut-In Pressure, Casing,	PSIG - 12 - PSIA	Days Shut-In	Shut-In Pressure, Tubing	PSIG - 12 - PSIA	
(MVP) 1291	1303	10	(D) 2175	2187	
Flowing Pressure: F	PSIG - 12 - PSIA		Working Pressure: Pw	PSIG - 12 - PSIA	
(D Tbg.) 198	210		(Calc.)	464	
Temperature:			Eps: From Tables	Gravity	
T 61 °F	.9990	.75	1.020	.668	Fg .9498

Initial SIPT (MV) = 1286 psig

Baker Model "D" Packer at 6210'

Final SIPC (MV) = 1303 psig

CHOKE VOLUME $Q \quad C \times P_1 \times F_1 \times F_g \times F_{pv}$

12.365 x 210 x .9990 x .9498 x 1.020 2513 MCEAD

$$\text{OPEN FLOW } Aof = Q \left(\begin{matrix} & & P_c^2 \\ & P_c^2 & \\ P_c^2 & & P_w^2 \end{matrix} \right)^n$$

Def $\begin{pmatrix} 4782969 \\ 4567673 \end{pmatrix}^n$ $1.0471^{78} \times 2513 = 1.0352 \times 2513$

Aof 2601 MCF D

TESTED BY **W. D. Dawson & R. L. Nickell**

WITNESSED BY

Lewis D. Galloway
L. D. Galloway

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DUAL COMPLETION

DATE June 1, 1960

Operator El Paso Natural Gas Company		Lease Rincon Unit No. 128 (M)	
Location 1600S, 990W; 28-27-6		County Rio Arriba	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing Diameter 7"	Set At. Feet 7378	Tubing Diameter 2" Hardy-Griffin	Set At. Feet 5500
Pay Zone From 5308	To 5640	Total Depth 7789 c/o 7650	Shut In 5/8/60
Stimulation Method Sand Water Frac.		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches .75	Choke Constant 12.365	Shut-In Pressure, Casing (MV) 1306	PSIG - 12 - PSIA 1318	Days Shut-In 14	Shut-In Pressure, Tubing 1303 (MV)	PSIG - 12 - PSIA 1315
Flowing Pressure, P (Csg.) 59	PSIG - 12 - PSIA 71	Working Pressure, Pw (Tbg.) 117	PSIG - 12 - PSIA 129	Flow Through Casing 1.011	Gravity .709	Flow Through Tubing .9225
Temperature 54	1.0058	.75				

Initial SIPT (Dak) = 2270 psig

Baker Model "D" Packer at 6210

Final SIPT (Dak) = 2275 psig

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

$$C = 12.365 \times 71 \times 1.0058 \times .9225 \times 1.011$$

824

MCF/D

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

$$Q_{OF} = \left(\frac{1737124}{1720483} \right)^n$$

$$1.0096^{.75} \times 824 = 1.0072 \times 824$$

Act 830

MCF/D

W. D. Dawson

WITNESSES

Lewis D. Galloway
L. D. Galloway