

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

OIL CONSERVATION COMMISSION  
BOX 871  
SANTA FE, NEW MEXICO

DATE 1-18-61

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

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

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

Proposed DC ✓ \_\_\_\_\_

Gentlemen:

I have examined the application dated 1-11-61  
for the EPNG Canyon Largo Unit #95 B-36-25N-6W  
Operator Lease and Well No. S-T-R

and my recommendations are as follows:

Approve  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Yours very truly,  
Henry Chandel  
OIL CONSERVATION COMMISSION

## NEW MEXICO OIL CONSERVATION COMMISSION

SANTA FE, NEW MEXICO

7-3-58

## APPLICATION FOR DUAL COMPLETION

|  |                   |                                   |                                 |
|--|-------------------|-----------------------------------|---------------------------------|
| Field Name<br><b>Otero Gallup &amp; Basin Dakota</b> |                   | County<br><b>Rio Arriba</b>       | Date<br><b>January 11, 1961</b> |
| Operator<br><b>El Paso Natural Gas Company</b>       |                   | Lease<br><b>Canyon Largo Unit</b> | Well No.<br><b>95 (GD)</b>      |
| Location of Well<br><b>B</b>                         | Unit<br><b>36</b> | Township<br><b>25N</b>            | Range<br><b>6W</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. **DC-1461** ; Operator, Lease, and Well No.:

**Shelly Oil Jicarilla No. 20-B (GD)**

|  |  |                  |
|--|--|------------------|
| 3. The following facts are submitted:                | Upper Zone   | Lower Zone       |
| a. Name of reservoir                                 | <b>Gallup</b>  | <b>Dakota</b>    |
| b. Top and Bottom of Pay Section (Perforations)      | <b>6010-6108 (Upper Gallup)</b><br><b>6160-6318 (Lower Gallup)</b> | <b>6898-7078</b> |
| c. Type of production (Oil or Gas)                   | <b>Oil</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.

**Mr. R. E. McKenzie, 904 Buena Vista, Farmington, New Mexico**

**Kern County Land, Room 301 Korber Building, 208 Second Street, N.W., Albuquerque, New Mexico**

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 **January 11, 1961**

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, J. 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 August 12, 1960, I was called to the location of the  
El Paso Natural Gas Company Canyon Largo Unit No. 95 (GD) Well  
located in the NWNE/4 of Section 36, Township 25 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 6570 feet in accordance with the  
usual practices and customs of the industry.

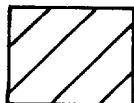
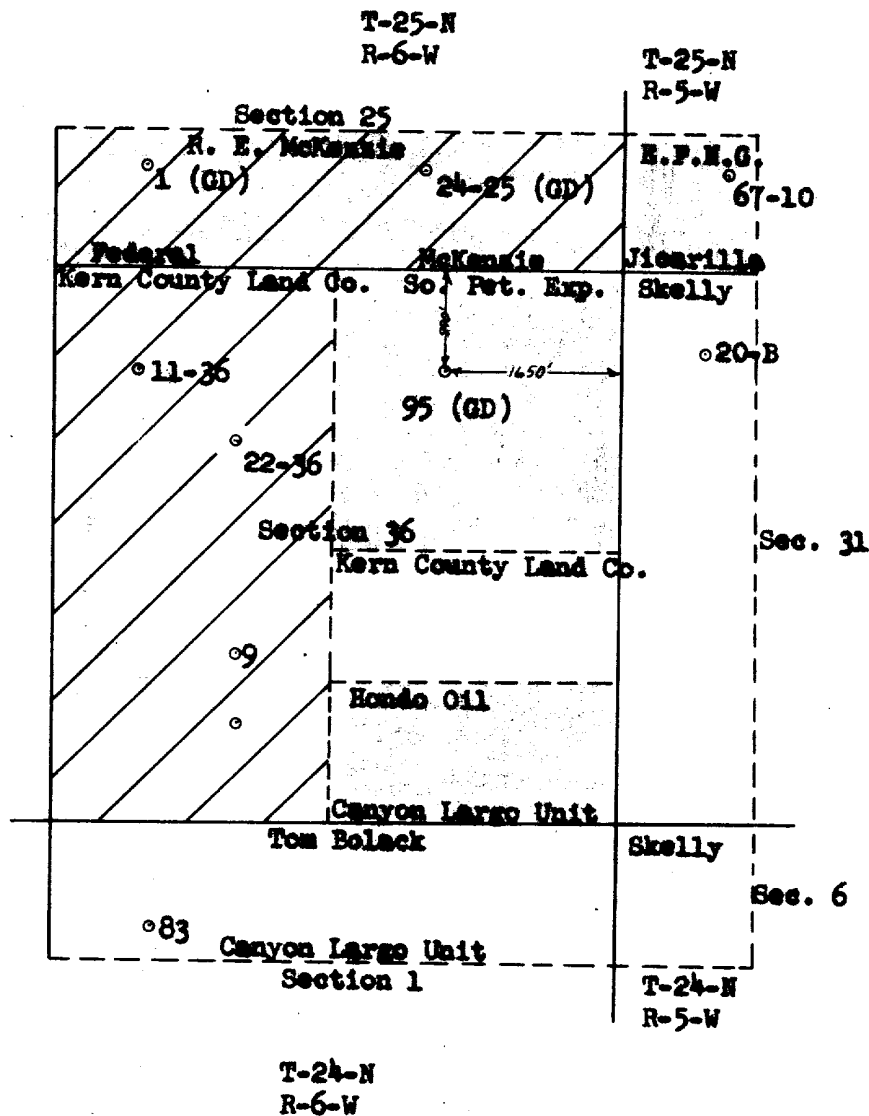
John J. Tillerson

Subscribed and sworn to before me this 13th day of  
January, 1961.

Dora G. Lucio  
Notary Public in and for San Juan County,  
New Mexico

My commission expires October 5, 1964.

**PLAT SHOWING LOCATION OF DUALY COMPLETED  
El Paso Natural Gas Co. Canyon Largo Unit No. 95 (GD)  
and Offset Acreage**



**Non-Committed Acreage**

|   |            |     |
|---|------------|-----|
| EL PASO NATURAL GAS COMPANY<br>EL PASO, TEXAS |            |     |
| SCALE   | DATE       | No. |
| DRAWN BY                                      | CHECKED BY |     |

SCHEMATIC DIAGRAM OF DUALY COMPLETED  
El Paso Natural Gas Co. Canyon Largo Unit No. 95 (GP)  
NW 1/4 Section 36, T-25-N, R-6-W

Dual String  
Xmas Tree

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

10 3/4", 32.75%, Armo S. W. casing set at 335' with 300 sacks  
cement circulated to surface.

Top of cement by temperature survey at 2425'.

2", 4.7%, J-55 tubing landed at 6344' with perforations at  
6308-6311'.

Upper Callup perforations 6010-6016; 6044-6056; 6074-6088;  
7102-7108 (2 SPF); fractured with oil and sand.

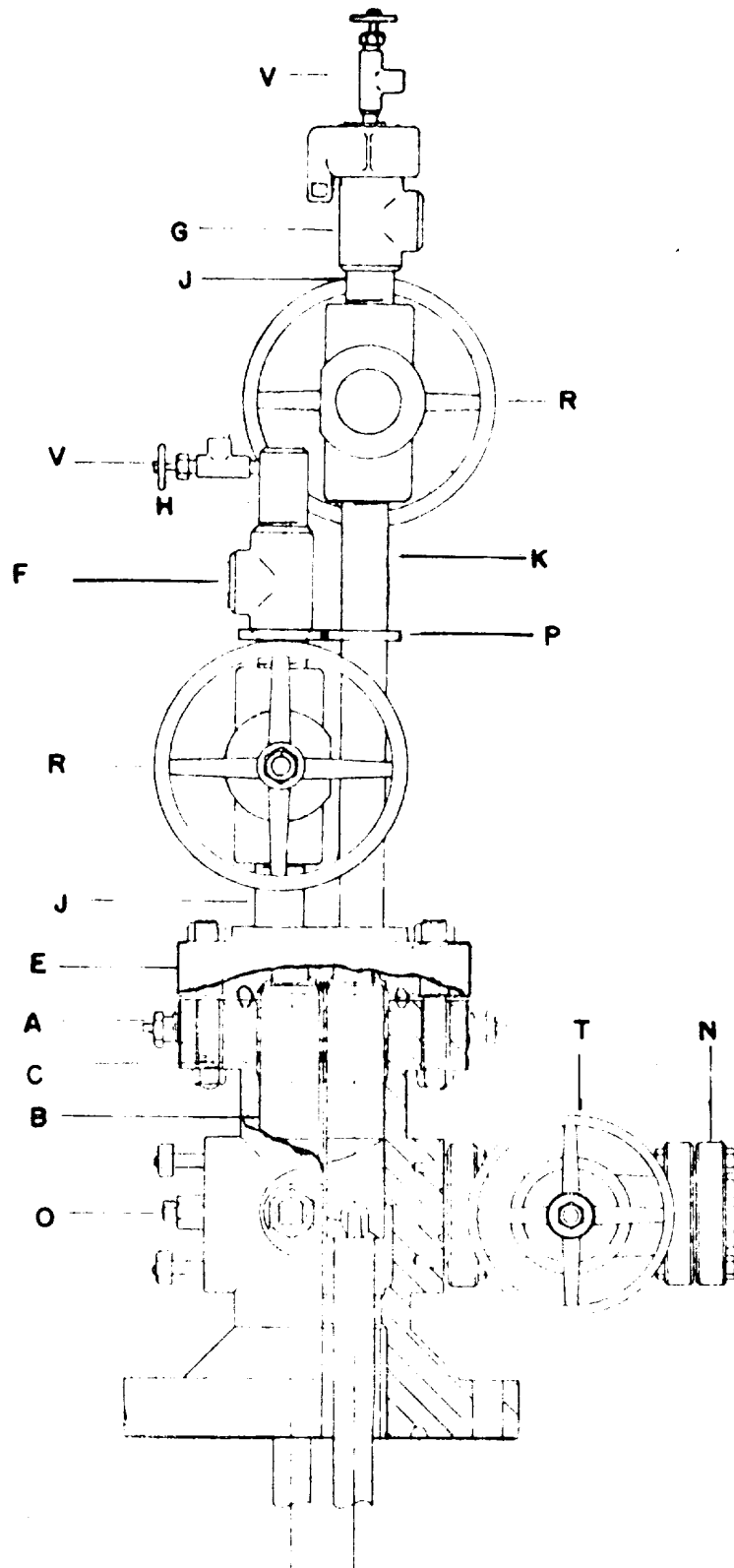
Lower Callup perforations 6168; 6194-6204; 6302-6318 (2 SPF);  
fractured with oil and sand.

Faker Model "D" production packer set at 6570'.

2", 4.7%, J-55 tubing landed at 7019' with perforations at  
6984-6987'.

Dakota perforations 6898-6906; 6914-6920; 6976-6982; 6994-6998;  
7004-7016; 7020-7025; 7038-7046; 7072-7078 (2 SPF); fractured  
with oil and sand.

7", 23%, N-80 and J-55 casing set at 7211' with 285 sacks  
cement.



|  |       |             |   |      |          |
|--|-------|-------------|---|------|----------|
| <b>CHRISTMAS TREE ASSEMBLY</b><br><b>NO. X-1148-U REV.13</b> |       |             | PROPERTY OF<br><b>OIL CENTER TOOL CO., INC.</b><br>HOUSTON, TEXAS |      |          |
| PART NO.   | SCALE | PATTERN NO. | DATE 2-24-58  | SIZE | FILE NO. |
| MATERIAL SPEC.<br><b>FOR EL PASO NATURAL GAS CO</b>          |       |             | DRN. BY GOC   |      | Dwg. No. |
|  |       |             | CHK. BY   |      |          |
|  |       |             | APPRVD.   |      |          |

# EL PASO NATURAL GAS COMPANY

## OIL WELL TEST

TO: Mr. A. J. Dudenhoeffer

DATE: December 15, 1950

FROM: Production Engineering Dept.

PLACE: Farmington, N. M.

SUBJECT: Initial Potential El Paso Natural Gas Company well Canyon Largo 95.

TESTED BY: K. C. McBride

LOCATION: . . . . . Sec. 36 T. 25 R. 6

SHUT-IN PRESSURE: . . . . . SIPC 1137 psig  
SIPT 735 psig (Shut-In 8 days)

TIME AND DATE TEST STARTED: . . . . . 12:15 PM - 10-8-60

TIME AND DATE TEST ENDED: . . . . . 12:15 PM - 10-9-60

TOTAL PRODUCTION 24 hours

Gas 353 MCF

Oil 81.2 BBLs

Water 0 PBLs

GAS-OIL RATIO: . . . . . 4347 Cubic Ft. per BBL.

PRODUCING METHOD: . . . . . Flowing

PRODUCING THROUGH 2" CHOKE SEETING 1" INCHES

FLOWING PRESSURE 55 psig TUBING: 310 psig CASING

SPM - LENGTH OF STROKE -

PRODUCING FORMATION: . . . . . GALLUP

FIELD: . . . . . OTERO GALLUP

*K. C. McBride*  
Production Engineer

cc: B. C. Adams  
Ed E. Alsup  
D. N. Canfield  
W. C. Cheek  
E. J. Coel, Jr.  
A. M. Derrick  
Drilling Dept.  
O. W. Fowler  
C. C. Kennedy  
E. S. Oberly (1) Singels - (6) Duals  
L. M. Parrish  
Proration Dept.  
W. M. Rodgers  
S. Smith  
L. G. Truby  
D. H. Tucker  
File

EL PASO NATURAL GAS COMPANY  
OPEN FLOW TEST DATA

DUAL COMPLETION

DATE October 28, 1960

|  |                             |  |                                 |
|--|-----------------------------|--|---------------------------------|
| Operator<br><b>El Paso Natural Gas Company</b> |                             | Lease<br><b>Canyon Largo No. 95 (DK)</b> |                                 |
| Location<br><b>990'N, 1650'E, 36-25N-6W</b>    |                             | County<br><b>Rio Arriba</b>              | State<br><b>New Mexico</b>      |
| Formation<br><b>Dakota</b>                     |                             | Pool<br><b>Undesignated</b>              |                                 |
| Casing: Diameter<br><b>7"</b>                  | Set At: Feet<br><b>7211</b> | Tubing: Diameter<br><b>2"</b>            | Set At: Feet<br><b>7008</b>     |
| Pay Zone: From<br><b>6898</b>                  | To<br><b>7078</b>           | Total Depth:<br><b>7211 c/o 7166</b>     | Shut In<br><b>8-12-60</b>       |
| Stimulation Method<br><b>Sand/Oil Frac.</b>    |                             | Flow Through Casing                      | Flow Through Tubing<br><b>X</b> |

|   |                               |                                    |                           |  |   |
|---|-------------------------------|------------------------------------|---------------------------|--|---|
| Choke Size, Inches<br><b>0.750</b>            |                               | Choke Constant: C<br><b>12.365</b> |                           | <b>Baker Model "D" Prod. Fkr. at 6570</b>        |   |
| Shut-In Pressure, Casing,<br>(Gal) <b>994</b> | PSIG                          | + 12 = PSIA<br><b>1006</b>         | Days Shut-In<br><b>77</b> | Shut-In Pressure, Tubing<br>(DK) <b>1829</b>     | PSIG + 12 = PSIA<br><b>1841</b>             |
| Flowing Pressure: P<br><b>285</b>             | PSIG                          | + 12 = PSIA<br><b>297</b>          |                           | Working Pressure: P <sub>w</sub><br><b>Calc.</b> | PSIG + 12 = PSIA<br><b>642</b>              |
| Temperature:<br>T = <b>64 °F</b>              | F <sub>t</sub> = <b>.9962</b> | n =<br><b>0.750</b>                |                           | F <sub>pv</sub> (From Tables)<br><b>1.034</b>    | Gravity<br><b>0.700 F<sub>g</sub> .9258</b> |

Initial SIPT (GA) = 578 psig  
Final SIPC (GA) = 1007 psig

CHOKE VOLUME =  $Q = C \times P_c \times F_t \times F_g \times F_{pv}$ 

$$Q = 12.365 \times 297 \times .9962 \times .9258 \times 1.034 = \underline{\underline{3502}} \text{ MCF/D}$$

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

$$Aof = \left( \frac{3,389,281}{2,977,117} \right)^n = (1.1384)^{.75} (3502) = (1.1021)(3502)$$

$$Aof = \underline{\underline{3860}} \text{ MCF/D}$$

TESTED BY T.B. Grant & W. D. Dawson

WITNESSED BY \_\_\_\_\_

*Lewis D. Galloway*  
Lewis D. Galloway