

EL PASO NATURAL GAS CO.
OPEN FLOW TEST DATA

2

DUAL COMPLETION

December 17, 1958

Operator El Paso Natural Gas	Well Name Huerfano No. 103 (D)
Location 990N, 1650W; 3-26-10	County San Juan
State Dakota	City New Mexico
Completion 7-5/8	Undesignated
Perforations 6446	2"
Flow Rate 6880	7030 c/o 7014
Pressure 7000	Shut in 12/9/58
Fluid Sand - Oil Frac.	X

Flow Rate .75	Pressure 12.365	Flow Rate 5-1/2 liner 6213 - 7027
(G) 1077	1089	(D) 1702
Flowing Pressure 351	363	Calc. 778
Temperature 74	.75	1.032
		.630

Initial SIPT (G) = 1058 PSIG
Final SIPC (G) = 1087 PSIG

Packer at 6270

CHOKES VOL. ME. Q. C. X. F. X. R. X. F. X. F. X.

$$12.365 \times 363 \times .9868 \times .9759 \times 1.032$$

4460

ACF D

OPEN FLOW DATA

2937796
2332512

$$1.2594^{.75} \times 4460 = 1.1890 \times 4460$$

5303

Frank Clark

Checked By M. W. Rischard

Louis D. Galloway
L. D. Galloway

NEW MEXICO OIL CONSERVATION COMMISSION

SANTA FE, NEW MEXICO

OK as
will file

7-3-58

APPLICATION FOR DUAL COMPLETION

2

Field Name Wildcat Dakota & Angel Peak Gallup Ext.		County San Juan	Date 2-20-59
Operator El Paso Natural Gas Company		Lease Huerfano Unit	Well No. 103 (CD)
Location of Well C	Unit 3	Section 26N	Range 10W

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-677**; Operator, Lease, and Well No.:

Huerfano Unit No. 99 (CD)

3. The following facts are submitted:	Upper Zone	Lower Zone
a. Name of reservoir	Gallup	Dakota
b. Top and Bottom of Pay Section (Perforations)	5241-6262	6800-7000
c. Type of production (Oil or Gas)	Oil	Gas
d. Method of Production (Flowing or Artificial Lift)	Flowing	Flowing

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

- ☒ 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.
- ☒ 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.
- ☒ 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.*
- ☒ 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 Company Unit Operator~~

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.

[illegible]

STATE OF NEW MEXICO)
)
 COUNTY OF SAN JUAN)

I, Mack M. Mahaffey, being first duly sworn upon my oath depose and say as follows:

I am an employee of Baker Oil Tools, Inc., and that on December 7, 1958, I was called to the location of the El Paso Natural Gas Company Huerfano Unit No. 103 (GD) Well located in the NENW/4 of Section 3, Township 26 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 "D" Production Packer was set in this well at 6270 feet in accordance with the usual practices and customs of the industry.

Mack M. Mahaffey

Subscribed and sworn to before me, a Notary Public in and for San Juan County, New Mexico, the 24th day of February, 1959.

Paul J. [Signature]

My commission expires February 24, 1960.

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Sec. 33



- No.

OPEN FLOW TEST DATA

DUAL COMPLETION

January 8, 1959

El Paso Natural Gas	Huerfano 103 (G)
990N, 1650W; 3-26-10	San Juan New Mexico
Gallup	Undesignated
7-5/8 6446	2" 6228
6241 6265	7050 c/o 7014
Sand Oil Frac.	Re Shut in 12/31/58
	X

.75 12.365	
1088 1100 9 1079 1091	
276 288 736 748	
67 .75 1.035 .720	

Initial SIPT (D) = 1792 psig

Final SIPT (D) = 1809 psig

Packer at 6270

CHOKE VOLUME = $C \times F \times E \times B \times R$

$$12.365 \times 288 \times .9933 \times .9129 \times 1.035$$

3342

SCF/D

$$\left(\frac{1210000}{650496} \right)^n$$

Gallup zone Tested 19.6 BBLS OIL For 3 Hour Test

$$\left(\frac{1210000}{650496} \right)^n$$

$$1.8601^{.75} \times 3342 = 1.5940 \times 3342$$

$$5327 \text{ SCF/D}$$

Checked By D. Mortensen

Checked By S. V. Roberts

Lewis D. Galloway
L. D. Galloway

SCHEMATIC DIAGRAM OF DUALY COMPLETED
El Paso Natural Gas Co. Huerfano Unit No. 103 (GD)
NW/4 Section 3, T-26-N, R-10-W

