

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE*
(Other instructions on re-
verse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

SE 04134

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Quigley

9. WELL NO.

2

10. FIELD AND POOL, OR WILDCAT

Unresignated F. C.

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

Sec. 6, T-30-N, R-9-W
N.M.P.M.

12. COUNTY OR PARISH

San Juan

13. STATE

New Mexico

1. OIL ☐ WELL GAS ☐ WELL OTHER ☐

2. NAME OF OPERATOR

El Paso Natural Gas Company

3. ADDRESS OF OPERATOR

Box 990, Farmington, New Mexico - 87401

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface

2650'S, 1150'W

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

6505' GL

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

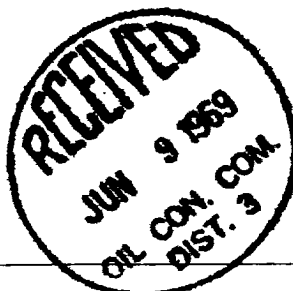
17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

On 5-11-69 spudded well drilled surface hole.

On 5-12-69 ran 7 joints 3 5/8", 24#, J-55 casing (220') set at ground level w/165 sacks of cement circulated to surface. W.O.C. 12 hours, held 600#/30 Min.

On 5-20-69 T. D. 3290'. Ran 109 joints 2 7/8", 6.4#, J-55 casing (3279') set at 3290' w/230 sacks of cement. W.O.C. until completion.

On 6-3-69 P.B.T.D. 3280', tested casing to 4000' O. K. Perf. Pictured Cliffs 3230-46' w/2 SFF. Frac w/25,000# 10/20 sand, 26,050 gal. water. Max. pr. 4000#, BHP 2600#, avg. tr. pr. 3600#, I.R. 15 BPM. No ball drop, flushed w/900 gal. water. ISIP 300#, 5 Min. 100#, 15 Min. -0-.



RECEIVED

JUN 6 1969

U. S. GEOLOGICAL SURVEY
FARMINGTON, N. M.

18. I hereby certify that the foregoing is true and correct

SIGNED

Original signed by:

L. O. Van Ryan

TITLE Petroleum Engineer

DATE

6-4-69

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

Instructions

General: This form is designed for submitting proposals to perform certain well operations, and reports of such operations when completed, as indicated, on Federal and Indian lands pursuant to applicable Federal law and regulations, and, if approved or accepted by any State, on all lands in such State, pursuant to applicable State law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 17: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by local Federal and/or State offices. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones, or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to top of any left in the hole; method of closing top of well; and date well site conditioned for final inspection looking to approval of the abandonment.

U.S. GOVERNMENT PRINTING OFFICE : 1963—O-685229



EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE 6-27-69

Operator El Paso Natural Gas		Lease Quigley No. 2	
Location 2050'S; 1150'W; S-6; T-30N; R-9W		County San Juan	State New Mexico
Formation Pictured Cliffs		Pool Blanco	
Casing: Diameter 2.875	Set At: Feet 3290	Tubing: Diameter No tubing	Set At: Feet ----
Pay Zone: From 3230	To 3246	Total Depth: 3345	Shut In 6-6-69
Stimulation Method Sand Water Frac		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches 0.750		Choke Constant: C 12.365		Tubingless completion	
Shut-In Pressure, Casing, PSIG 914	+ 12 = PSIA 926	Days Shut-In 21	Shut-In Pressure, Tubing PSIG No tubing	+ 12 = PSIA ----	
Flowing Pressure: P PSIG 296	+ 12 = PSIA 308		Working Pressure: Pw PSIG Calc.	+ 12 = PSIA 318	
Temperature: T = 65 °F	Ft = .9952	n = 0.85	Fpv (From Tables) 1.033	Gravity .670	Fg = .9463

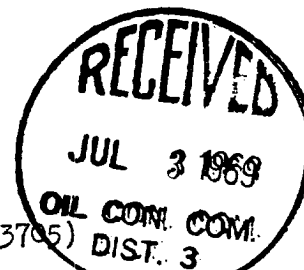
$$\text{CHOKE VOLUME} = Q = C \times P_i \times F_i \times F_g \times F_{pv}$$

$$Q = 12.365 \times 308 \times .9952 \times .9463 \times 1.033 = \underline{3705} \text{ MCF/D}$$

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

$$Aof = \left(\frac{857,476}{756,352} \right)^n = (1.1336)^{.85} 3705 = 1.1123 (3705) = 4121$$

$$Aof = \underline{4121} \text{ MCF/D}$$



Note: Blew dry gas for entire test.

TESTED BY RH & CRW
 Calculated RES
~~WITNESSED BY~~

H. L. Kendrick
 H. L. Kendrick