

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE June 22, 1973

Operator El Paso Natural Gas Company		Lease Atlantic "C" No. 11	
Location 1800'S, 1040'E, Section 31, T31N, R10W		County San Juan	State New Mexico
Formation Pictured Cliffs Ext.		Pool Blanco	
Casing: Diameter 2.875	Set At: Feet 2916	Tubing: Diameter No Tubing	Set At: Feet
Pay Zone: From 2760	To 2878	Total Depth: 2916	Shut In 6/6/73
Stimulation Method SWF		Flow Through Casing XX	Flow Through Tubing

Choke Size, Inches .750		Choke Constant: C 12.365		Tubingless Completion	
Shut-In Pressure, Casing, 906	PSIG	+ 12 = PSIA 918	Days Shut-In 16	Shut-In Pressure, Tubing No Tubing	PSIG + 12 = PSIA
Flowing Pressure: P 260	PSIG	+ 12 = PSIA 272		Working Pressure: P _w Calculated	PSIG + 12 = PSIA 338
Temperature: T = 70 °F		n = .85		F _{pv} (From Tables) 1.023	Gravity .635 F _g = .9721

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

$$Q = (12.365)(272)(.9905)(.9721)(1.023) = \underline{3313} \text{ MCF/D}$$

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

NOTE: Well blew dry gas.

$$Aof = Q \left(\frac{842724}{728480} \right)^n = (3313)(1.1568)^{.85} = 3313(1.1318)$$

$$Aof = \underline{3750} \text{ MCF/D}$$

TESTED BY T. D. Norton

WITNESSED BY _____

William D. Welch
William D. Welch, Well Test Engineer





LTR



Job separation sheet

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other in-
structions on
reverse side)Form approved.
Budget Bureau No. 42-R355.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other _____

b. TYPE OF COMPLETION:

NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER ☐

2. NAME OF OPERATOR

El Paso Natural Gas Company

3. ADDRESS OF OPERATOR

PO Box 990, Farmington, NM 87401

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface

1800'S, 1040'E FARMINGTON, N. M.

At top prod. interval reported below

At total depth

14. PERMIT NO.

DATE ISSUED

JUN 29 1973

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

5. LEASE DESIGNATION AND SERIAL NO.

NM 0607

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Atlantic C

9. WELL NO.

11

10. FIELD AND POOL, OR WILDCAT

Blanco Pictured Cliffs Ext.

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

Sec. 31, T-31-N, R-10-W

NMPM

12. COUNTY OR PARISH

San Juan

13. STATE

New Mexico

15. DATE SPUDDED

12-8-72

16. DATE T.D. REACHED

12-11-72

17. DATE COMPL. (Ready to prod.)

6-22-73

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*

6114'GL

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD

2916'

21. PLUG BACK T.D., MD & TVD

2905'

22. IF MULTIPLE COMPL., HOW MANY*

23. INTERVALS DRILLED BY

ROTARY TOOLS

CABLE TOOLS

0-2916'

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

2760-2878'(Pictured Cliffs)

25. WAS DIRECTIONAL SURVEY MADE

no

26. TYPE ELECTRIC AND OTHER LOGS RUN

IES; FDC-GR; Temp. Survey

27. WAS WELL CORED

no

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD
8 5/8"	24.0#	144'	12 1/4"	107 cu. ft.
2 7/8"	6.4#	2916'	6 3/4"	476 cu. ft.

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
	tubingless	

31. PERFORATION RECORD (Interval, size and number)

2760-, 2764, 2774, 2778, 2782, 2786, 2790,
2842, 2846, 2850, 2862, 2866, 2870, 2874
and 2878

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
2760-2878'	40,000#sand; 19,900 gal. water

33.* PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
		flowing				shut in	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
6-22-73	3	3/4"	→				
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
tubingless	SI 918	→		3750 AOF			
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)						TEST WITNESSED BY	
						T. D. Norton	

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

TITLE Drilling Clerk

DATE June 28, 1973

*(See Instructions and Spaces for Additional Data on Reverse Side)

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws 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 land and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions. If not filed prior to the time this summary record is submitted, copies of such

Extension and pressure tests, and directional surveys, should be listed on this form, see item 35. (drillers, geologists, sample and core analysis, all types electric, etc.), formations should be listed on this form, see item 35. All attachments should be listed on this form, see item 35. All attachments should be listed on this form, see item 35.

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. Consult local State or Federal office for specific instructions. All attachments must be submitted in electronic format and/or State laws and regulations. All attachments must be submitted in electronic format and/or State laws and regulations. All attachments must be submitted in electronic format and/or State laws and regulations.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool. Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

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