

EL PASO NATURAL GAS COMPANY  
OPEN FLOW TEST DATA

DATE Sept. 24, 1979

Operator E1 Paso Natural Gas Company		Lease NWP Jicarilla 123C #27	
Location NW 6-25-4		County Rio Arriba	State New Mexico
Formation Dakota		Pool Basin	
Casing: Diameter 4.500	Set At: Feet 7712	Tubing: Diameter 2 3/8	Set At: Feet 7597
Pay Zone: From 7422	To 7596	Total Depth: 7712	Shut In 9-14-79
Stimulation Method Sand Water Frac		Flow Through Casing	Flow Through Tubing

Choke Size, Inches .750	Choke Constant: C 12.365			
Shut-In Pressure, Casing, PSIG 1832	+ 12 = PSIA 1844	Days Shut-In 10	Shut-In Pressure, Tubing PSIG 1832	+ 12 = PSIA 1844
Flowing Pressure: P PSIG 137	+ 12 = PSIA 149		Working Pressure: P <sub>w</sub> PSIG 1422	+ 12 = PSIA 1434
Temperature: T = 60 °F F <sub>t</sub> = 1.000	n = .75		F <sub>pv</sub> (From Tables) 1.013	Gravity .650 F <sub>g</sub> = .9608

CHOKE VOLUME = Q = C x P<sub>i</sub> x F<sub>i</sub> x F<sub>g</sub> x F<sub>pv</sub>

Q = 12.365 X 149 X 1.000 X .9608 X 1.013 = 1793 MCF/D

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


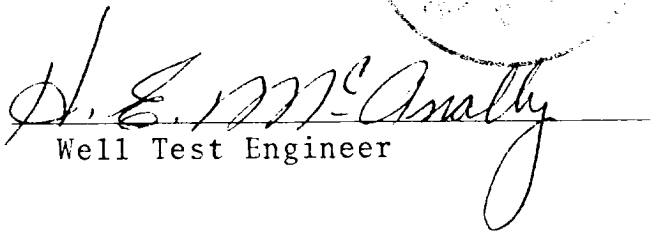
Aof =  $\left( \frac{3400336}{1343980} \right)^n = (2.5300)^{.75} (1793) = (2.0061)(1793)$

NOTE: Well Blew A Very Light Fog of Distillate For 1 Hour During The Test and Vented 10 MCF to The Atmosphere

Aof = 3597 MCF/D

TESTED BY L. Nations

WITNESSED BY

  
  
Well Test Engineer

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

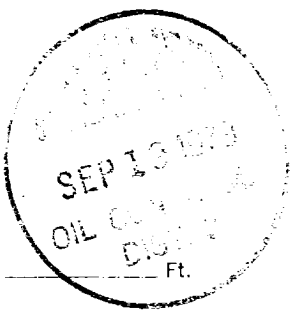
1. oil well <input type="checkbox"/>	gas well <input checked="" type="checkbox"/>	other
2. NAME OF OPERATOR Northwest Production		
3. ADDRESS OF OPERATOR Box 289, Farmington, New Mexico 87401		
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.) AT SURFACE: 1540'N, 1670'W AT TOP PROD. INTERVAL: AT TOTAL DEPTH:		
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
REQUEST FOR APPROVAL TO:	SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	<input type="checkbox"/>	
FRACTURE TREAT <input type="checkbox"/>	<input checked="" type="checkbox"/>	
SHOOT OR ACIDIZE <input type="checkbox"/>	<input type="checkbox"/>	
REPAIR WELL <input type="checkbox"/>	<input type="checkbox"/>	
PULL OR ALTER CASING <input type="checkbox"/>	<input type="checkbox"/>	
MULTIPLE COMPLETE <input type="checkbox"/>	<input type="checkbox"/>	
CHANGE ZONES <input type="checkbox"/>	<input type="checkbox"/>	
ABANDON* <input type="checkbox"/>	<input type="checkbox"/>	
(other)		

5. LEASE Jic Cont. #123
6. IF INDIAN, ALLOTTEE OR TRIBE NAME Jicarilla
7. UNIT AGREEMENT NAME
8. FARM OR LEASE NAME Jicarilla 123 C
9. WELL NO. 27
10. FIELD OR WILDCAT NAME Basin Dakota
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 6, T-25-N, R-4-W N.M.P.M.
12. COUNTY OR PARISH: 13. STATE Rio Arriba New Mexico
14. API NO.
15. ELEVATIONS (SHOW DF, KDB, AND WD) 6787' G.L.

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

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.)\*

9-12-79: PBDT 7695'. Tested casing to 4000#, OK. Perfed 7422,7428,7435,7443,7542, 7548,7554,7573,7587,7596' W/1 SPZ. Fraced w/64,000# 40/60 sand, 69,000 gal. wtr. Flushed w/5,000 gal. wtr.



Subsurface Safety Valve: Manu. and Type \_\_\_\_\_ Set @ \_\_\_\_\_ Ft.

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

SIGNED M. J. Gisco TITLE Drilling Clerk DATE Sept. 13, 1979

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side

