

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DUAL COMPLETION

DATE December 16, 1964

Operator El Paso Natural Gas Company		Lease San Juan 28-6 Unit No. 97 (MV) (OWWO)	
Location 810'N, 1700'E, Sec. 35, T-28-N, R-6-W		County Rio Arriba	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing: Diameter 5.500	Set At: Feet 5766	Tubing: Diameter 2.0625	Set At: Feet 5654
Pay Zone: From 5150	To 5702	Total Depth: 5770	Shut In 12-9-64
Stimulation Method Sand Water Frac.		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches .75	Choke Constant: C 12.365		Baker Model "D" Packer at 3610'	
Shut-In Pressure, Casing, PSIG 632 (PC)	+ 12 = PSIA 644	Days Shut-In 7	Shut-In Pressure, Tubing PSIG 663 (MV)	+ 12 = PSIA 675
Flowing Pressure: P PSIG 176	+ 12 = PSIA 188		Working Pressure: P _w PSIG Calc.	+ 12 = PSIA 495
Temperature: T = 63 °F	n = Fr = .9971		F _{pv} (From Tables) 1.021	Gravity .700 F _g = .9258

Initial SIPT (PC) = 632 psig

Final SIPC (PC) = 634 psig

CHOKE VOLUME = Q = C x P_i x F_i x F_g x F_{pv}

$$Q = (12.365)(188)(.9971)(.9258)(1.021) = 2191 \text{ MCF/D}$$

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

$$Aof = \left(\frac{455,625}{210,600} \right)^n = (2.1634)^{.75} (2191) = (1.7845)(2191) =$$

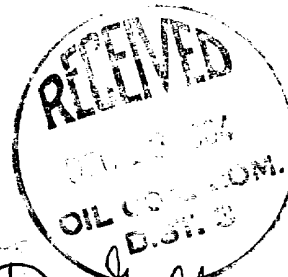
NOTE: Well blew a light spray of water and distillate throughout the test.

Aof = 3910 MCF/D

TESTED BY Dannie R. Roberts

CALCULATED BY Tom B. Grant

CHECKED BY Hermon E. McAnally



Lewis D. Galloway
Lewis D. Galloway

NUMBER OF COPIES RECEIVED		3
DISTRIBUTION		
SANTA FE		
FILE		
U.S.G.S.		
LAND OFFICE		
TRANSPORTER	OIL	
	GAS	
PRODUCTION OFFICE		
OPERATOR		

NEW MEXICO OIL CONSERVATION COMMISSION
MISCELLANEOUS REPORTS ON WELLS

FORM C-103
(Rev 3-55)

(Submit to appropriate District Office as per Commission Rule 1106)

Name of Company El Paso Natural Gas Company				Address Box 990, Farmington, New Mexico			
Lease San Juan 28-6 Unit		Well No. 97(PM)	Unit Letter B	Section 35	Township 28N	Range 6W	
Date Work Performed 12-8-64 & 12-9-64		Pool So. Blanco P. C. & Blanco M. V.			County Rio Arriba		

THIS IS A REPORT OF: (Check appropriate block)

- | | | |
|--|---|--|
| <input type="checkbox"/> Beginning Drilling Operations | <input type="checkbox"/> Casing Test and Cement Job | <input checked="" type="checkbox"/> Other (Explain): |
| <input type="checkbox"/> Plugging | <input type="checkbox"/> Remedial Work | Packer Repair |

Detailed account of work done, nature and quantity of materials used, and results obtained.

Pulled 1 1/4" tubing and 2 3/8" tubing and Guiberson "Shorty" packer. Set Baker Model "D" packer at 3610'. Ran 170 joints 2 1/16", 3.25#, J-55 tubing (5654.32') set at 5665.12'. Perfs from 5626' to 5630', SN @ 5626'.

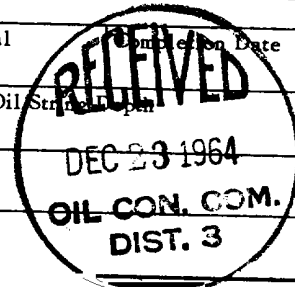
Ran 110 joints 1 1/4", 2.4#, J-55 tubing (3392.87') set at 3403.67'. Perfs from 3371' to 3373', SN @ 3370'.

Witnessed by W. L. Heard	Position Asst. Dir. Supt.	Company El Paso Natural Gas Company
------------------------------------	-------------------------------------	---

FILL IN BELOW FOR REMEDIAL WORK REPORTS ONLY

ORIGINAL WELL DATA

D F Elev.	T D	P BTD	Producing Interval	Completion Date
Tubing Diameter	Tubing Depth	Oil String Diameter	Oil String Depth	
Perforated Interval(s)				
Open Hole Interval		Producing Formation(s)		



RESULTS OF WORKOVER

Test	Date of Test	Oil Production BPD	Gas Production MCFPD	Water Production BPD	GOR Cubic feet/Bbl	Gas Well Potential MCFPD
Before Workover						
After Workover						

OIL CONSERVATION COMMISSION		I hereby certify that the information given above is true and complete to the best of my knowledge.	
Approved by Original Signed By A. R. KENDRICK		Name OR G. NAL SIGNED E. S. OBERLY	
Title PETROLEUM ENGINEER DIST. NO. 3		Position Petroleum Engineer	
Date DEC 23 1964		Company El Paso Natural Gas Company	