

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELLS

Form C-122
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 1-12-84					
Company El Paso Natural Gas Co.					Connection Northwest Pipeline					
Pool Blanco					Formation Mesaverde					
Completion Date 1-5-84			Total Depth 6115		Plug Back TD 6085		Elevation 6691 GR		Farm or Lease Name San Juan 27-5 Unit	
Csq. Size 7.000	Wt. 20	d 6.456	Set At 3795	Perforations: From *4468 To 6058				Well No. 196		
Tbg. Size	Wt.	d	Set At	Perforations: From To				Unit L	Sec. 15	Twp. 27
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At None				County Rio Arriba		
Producing Thru L		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a		State New Mexico		
H		Gg	% CO ₂	% N ₂	% H ₂ S	Prover	Meter Run	Taps		

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow	
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.		Temp. °F
1.							512		1000		7 days
2.											
3.											
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1.							
2.							
3.							
4.							
5.							

NO.	P _f	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2.					Specific Gravity Separator Gas _____ X X X X X X X X
3.					Specific Gravity Flowing Fluid _____ X X X X X
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

NO.	P _t ²	P _w ²	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} =$ _____	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$ _____
1.						
2.						
3.						
4.						
5.						

Absolute Open Flow _____ Mcfd @ 15.025				Angle of Slope θ _____		Slope, n _____	
Remarks: * 4.500" Liner - 3639' - 6102'							
Approved By Commission:		Conducted By:		Calculated By:		Checked By:	
				Ed Mabe			

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

OIL CON. DIV.
DIST. 3

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 ☐ gas well ☒ other
-
2. NAME OF OPERATOR
El Paso Natural Gas Company
-
3. ADDRESS OF OPERATOR
Box 4289, Farmington, New Mexico 87499
-
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1900'S, 888'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 | ☐ |
| FRACTURE TREAT | ☐ |
| SHOOT OR ACIDIZE | ☐ |
| REPAIR WELL | ☐ |
| PULL OR ALTER CASING | ☐ |
| MULTIPLE COMPLETE | ☐ |
| CHANGE ZONES | ☐ |
| ABANDON* | ☐ |
| (other) | |

- | |
|---|
| X |
| X |
| |
| |
| |
| |
| |

RECEIVED

JAN 06 1984

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

BUREAU OF LAND MANAGEMENT
FARMINGTON RESOURCE AREA

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.)*

12-19-83 Spudded well. Drilled surface hole. Ran 5 joints 9 5/8" 36.0#, KS surface casing (201') set at 213' w/130 cu. ft. cement circulated to surface. W.O.C. 12 hours. Held 600#/30 minutes.

12-23-83 T. D. 3805'. Ran 105 joints of 7", 20.0#, KS intermediate casing (3783'-
set at 3795' w/278 cu. ft. cement. W.O.C . 12 hours. Held 1200#/30 minutes. Top of
cement at 2500'.

12-28-83 T. D. 6115'. Ran 58 joints of 4 1/2", 10.5#, KE casing liner (2463') set
3639 - 6102'. Float collar set at 6085'. w/424 cu. ft. cement. W.O.C. 18 hours.

12-31-83 P.B.T.D. 6085'. Tested casing to 4000# O. K. Perforated 5689, 5698, 5707, 5713, 5721, 5729, 5745, 5762, 5787, 5799, 5803, 5812, 5832, 5840, 5850, 5908, 5952, 6015, 6024,

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft. (Over)

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

SIGNED S. P. Duce TITLE Drilling Clerk DATE January 6, 1984

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

~~RECEIVED FOR RECORD~~

JAN 12 1984

***See Instructions on Reverse Side**

FARMINGTON RESOURCE AREA

BY

6037, 6058 w/1 SPZ. Fraced w/72,500# 20/40 sand and 160,246 gallons fresh water. Dropped 42 sets of 1 ball each. Flushed w/7650 gallons water.

1-1-84 Perforated 5072, 5171, 5181, 5189, 5196, 5215, 5223, 5240, 5255, 5264, 5308, 5320, 5396, 5422, 5432, 5454, 5496' w/1 SPZ. Fraced w/58,500# 20/40 sand and 127,500 gallons fresh water. Dropped 34 sets of 1 ball each. Flushed w/7140 gallons water.

Perforated 4468, 4497, 4503, 4510, 4520, 4527, 4551, 4558, 4640, 4652, 4664, 4704' w/1 SPZ. Fraced w/72,000# 20/40 sand, 89,390 gallons fresh water. Dropped 24 sets of 1 ball each. Flushed w/6930 gallons of water.

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
 Revised 9-1-65

RECEIVED
 JAN 18 1984
 OIL CON. DIV
 DIST. 3

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 1-12-84		JAN 18 1984 OIL CON. DIV DIST. 3	
Company El Paso Natural Gas Co.				Connection Northwest Pipeline					
Pool Blanco				Formation Mesaverde					
Completion Date 1-5-84		Total Depth 6115		Plug Back TD 6085		Elevation 6691 GR		Farm or Lease Name San Juan 27-5 Unit	
Csg. Size 7.000	Wt. 20	d 6.456	Set At 3795	Perforations: From *4468 To 6058		Well No. 196			
Tbg. Size	Wt.	d	Set At	Perforations: From To		Unit Sec. Twp. Rge. L 15 27 5			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At None		County Rio Arriba			
Producing Thru		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a		State New Mexico	
L	H	Gg	% CO ₂	% N ₂	% H ₂ S	Prover	Meter Run	Taps	

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow	
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.		Temp. °F
SI							512		1000		7 days
1.											
2.											
3.											
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1.							
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2.					Specific Gravity Separator Gas _____ X X X X X X X X
3.					Specific Gravity Flowing Fluid _____ X X X X X
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} =$ _____ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$ _____ AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$ _____
1.					
2.					
3.					
4.					
5.					

Absolute Open Flow _____ Mcfd @ 15.025		Angle of Slope θ _____	Slope, n _____
Remarks: * 4.500" Liner - 3639' - 6102'			
Approved By Commission:		Conducted By:	Calculated By: Ed Mabe
			Checked By: