

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

Form C-122
 Revised 9-1-65

Type Test ☐ Initial ☐ Annual ☒ Special					Test Date 7-9-82				
Company El Paso Natural Gas Company				Connection Northwest Pipeline Corp.			(OWWO)		
Pool Blanco				Formation Mesa Verde			Unit		
Completion Date 7-2-82		Total Depth 6410		Plug Back TD 6403		Elevation 7269		Farm or Lease Name San Juan 27-4 Unit	
Csg. Size 7.00*	Wt. 20.0	d 6.456	Set At 4378	Perforations: From 5872 To 6244			Well No. #36		
Tbg. Size 1.900	Wt. 2.90	d 1.610	Set At 6227	Perforations: From To			Unit K	Sec. 36	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple G. G. Dual				Packer Set At 4188			County Rio Arriba		
Producing Thru Tubing		Reservoir Temp. *F @		Mean Annual Temp. *F		Baro. Press. - P _a 12		State New Mexico	
L	H	Gg 0.65	% 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							650				7 Days
1.	3/4" Choke			85		64					3 Hours
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	12.365		97	.9962	.9608	1.000	1148
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

P _c 662	P _c ² 438,244	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.2975$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.2157$
NO. 1	P _t ² 9409	P _w 317	P _w ² 100,489
2			
3			
4			
5			

Absolute Open Flow 1396 Mcfd @ 15.025		Angle of Slope θ _____ Slope, n 0.75	
Remarks: *4 1/2" Liner - 4299 - 6410 No Liquids: Gas Vented - 157 MCF			
Approved By Commission:	Conducted By: J.S. Florez	Calculated By: Bill Clark	Checked By: