

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 9-6-85		OWWO	
Company El Paso Natural Gas			Connection		
Pool Otero			Formation Chacra		Unit
Completion Date 9-6-85		Total Depth 3693	Plug Back TD 3682	Elevation	Farm or Lease Name Sanchez
Csg. Size 2.875	Wt. 6.4	d 2.441	Set At 3693	Perforations: From 3522 To 3626	
Tqg. Size 1.660	Wt. 2.3	d 1.380	Set At 3520	Perforations: From To	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single			Packer Set At 3452		Well No. #4
Producing Thru Tbg		Reservoir Temp. °F a	Mean Annual Temp. °F	Baro. Press. - P _a 12	State New Mexico
L	H	Gg .695	% 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. hw	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.		Temp. °F
1.			.750	4		57	470	4			7 Days
2.											3 Hrs.
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, Mc/d
1	12.365		12	1.0029	.9292	1.004	185
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	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 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 482	P _c ² 232324	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{232324}{231748}$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.002$
NO. 1	P _w 24	P _w ² 576	P _c ² - P _w ² 231748
2			
3			
4			
5			

ACF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 185$

RECEIVED
OCT 18 1985

Absolute Open Flow 185	Mcf/d @ 15.025	Angle of Slope @	OIL CON. DIV
Remarks: Light Mist during test.		DIST. ?	

Approved by Commission:	Conducted By: Glen Spencer	Calculated By: Cliff Brock	Checked By: kld
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