

**NEW XICO 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 9-29-70			
Company Major, Giebel & Forster				Connection El Paso Natural Gas Co.					
Pool Crosby				Formation Devonian				Unit	
Completion Date 9-29-70		Total Depth 8240		Plug Back TD 8240		Elevation 3013 K.B.		Farm or Lease Name Cook	
Csg. Size 5 1/2" OD	Wt. 15 1/2/17#	d 4.892	Set At 8130	Perforations: From 8130 To 8240 (OH)			Well No. 1		
Thq. Size 2 1/2" EUE	Wt. 6.5	d 2.441	Set At 8234	Perforations: From 8226 To 8234			Unit Sec. Twp. Rge. o 28 25S 37E		
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single						Packer Set At 8074		County Lea	
Producing Thru tubing		Reservoir Temp. °F 131 @ 8185		Mean Annual Temp. °F 60		Baro. Press. - P _s 13.2		State New Mexico	
L 8226'	H 8226'	G _g 0.630	% CO ₂	% N ₂	% H ₂ S	Prover	Meter Run 4.000"	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
SI	4.000	x	2.00				864	60	Packer		SI 48
1.	ditto			5.15	1.50	73	849	60	"		1 hr
2.	"			5.25	3.00	76	823	60	"		1 hr
3.	"			5.15	4.90	73	761	60	"		1 hr
4.	"			5.15	6.55	70	704	60	"		1 hr
5.											

* Square Root Chart RATE OF FLOW CALCULATIONS							
NO.	* Coefficient (24 Hour)	* $\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	81.64	7.73	410.2	.9877	1.260	1.037	815
2.	"	15.75	426.2	.9850	"	1.036	1653
3.	"	25.24	410.2	.9887	"	1.037	2659
4.	"	33.73	410.2	.9905	"	1.037	3562
5.	* Square Root Chart						

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	A.P.I. Gravity of Liquid Hydrocarbons	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure	Critical Temperature
1	.61	533	1.45	.930	No liquids produced					
2.	.64	536	1.46	.929						
3.	.61	533	1.45	.930						
4.	.61	530	1.45	.930						
5.										

NO.	P _r ²	P _w	P _w ²	P _r ² - P _w ²	(1) $\frac{P_r^2}{P_r^2 - P_w^2} =$	(2) $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n =$
1	Used	1124.2	1263.8	43.1		
2	Amerada	1090.2	1188.5	118.4		
3	Bomb	1008.2	1016.5	290.4		
4		937.2	878.3	428.6		
5						

Absolute Open Flow 7400 Mcfd @ 15.025			Angle of Slope θ 56.5		Slope, n .662	
Remarks:						

Approved By Commission	Conducted By: Nancy E. Legendre Apex Engineering Company	Calculated By: Nancy E. Legendre	Checked By: P.S. [Signature]
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OIL CONSERVATION COMM.
HOUSTON, TEXAS