

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 12/19/72			
Company Pubco Petroleum Corporation				Connection El Paso Natural Gas					
Pool South Blanco				Formation Pictured Cliffs				Unit D	
Completion Date 11/26/72		Total Depth 3557'		Plug Back TD 3524'		Elevation 6745'		Farm or Lease Name Federal	
Csg. Size 3-1/2"	Wt. 9.2#	d 2.992	Set At 3554.32	Perforations: From 3316 To 3392		Well No. 19			
Tbg. Size 1-1/4"	Wt. 2.3	d 1.380	Set At 3379.73	Perforations: From To		Unit Sec. Twp. Rge. D 1 26N 6W			
Type Well - Single - Braidedhead - G.G. or G.O. Multiple Single						Packer Set At None		County Rio Arriba	
Producing Thru Tubing		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a 12.00		State New Mexico	
L	H	Gg 0.6	% 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							952		722		7 days
1.	1.995	x 0.75					51	8	722		1 hr.
2.	1.995	x 0.75					36	2	740		2 hrs.
3.	1.995	x 0.75					34	2	723		3 hrs.
4.											
5.											

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							
2							
3	9.604		46	1.061	1.291	1.013	613
4			441.78	468.73	605.13	613.00	
5							

NO.	P _t	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	XXXXXXX
3.					Specific Gravity Flowing Fluid	XXXXX
4.					Critical Pressure _____ P.S.I.A.	_____ P.S.I.A.
5.					Critical Temperature _____ °R	_____ °R

P _c 964	P _c ² 929,296	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.3885$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2.096$
NO	P _t ²	P _w	P _w ²
1			
2			
3		735	540,225
4			
5			

Absolute Open Flow 1285 Mcfd @ 15.025		Angle of Slope 0.85
Remarks:		
Approved By Commission:	Conducted By: R. J. Flaker	Calculated By: J. C. Johnson
		Checked By: U. S. ...