

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 11-30-81	
Company Petro Lewis Corporation				Connection El Paso Natural Gas Company		
Pool So. Blanco				Formation Pictured Cliffs		Unit
Completion Date 11-18-81		Total Depth 3175		Plug Back TD 3036		Elevation Farm or Lease Name PLC-OCE Federal-19
Csq. Size 4.500	Wt. 10.5	d 4.052	Set At 3175	Perforations: From 2935 To 3016		Well No. 1
Tbg. Size 1.900	Wt. 2.9#	d 1.610	Set At 2611	Perforations: From Open To Ended		Unit Soc. Twp. Rge. 19 23 1
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At No		County Sandoval
Producing Thru Tubing		Reservoir Temp. °F 6		Mean Annual Temp. °F 12		State New Mexico
L	H	Gg .650	% CO ₂	% N ₂	% H ₂ S	Prover Meter Run Tape

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.	
SI	12 days						892		909	
1.	2 inch	.750		44			44	52°	341	
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	12.3650		56	1.0078	.9608	1.008	676
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
3.					Specific Gravity Flowing Fluid	X X X X X X X X
4.					Critical Pressure	P.S.I.A.
5.					Critical Temperature	R

P _c 921	P _c ² 848241	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1722$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.14459$	
NO.	P _r ²	P _w	P _w ²	P _r ² - P _w ²
1		353	124609	723632
2				
3				
4				
5				

Absolute Open Flow <u>773</u>		Mcf @ 15.025	Angle of Slope θ	Slope, n <u>.85</u>
-------------------------------	--	--------------	-------------------------	---------------------

Remarks:

Approved By Commission	Conducted By: Joe Elledge	Calculated By: Joe Elledge	Checked By: Lynn Hatley
------------------------	------------------------------	-------------------------------	----------------------------