

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 11-30-79									
Company Petro-Lewis Corporation					Connection El Paso Natural Gas				
Pool Blanco					Formation Mesaverde				
Completion Date 11-23-79			Total Depth 6251		Plug Back TD		Elevation 7264 G.L.		Owner or Lease Name Florence
Casing Size 4.500	Wt. 10.5	d 4.052	Set At 6230	Perforations: From 5969 To 6050		Well No. 7-A			
Prod. Size 2.375	Wt. 4.7	d 1.995	Set At 5900	Perforations: From Open To Ended		Unit 4	Sec. 25N	Twp. 3W	Page 3W
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single					Packer Set At None		County Rio Arriba		
Producing Thru Tubing		Reservoir Temp. °F 8		Mean Annual Temp. °F		Baro. Press. - P _a 12 psia		State New Mexico	
L	H	Gg .650	% 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.	
SI	7 days						1181		1141	
1.	2 inch .750			154			154	54°	807	
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	12.3650		166	1.0058	.9608	1.015	2013
2.							
3.							
4.							
5.							

NO.	P _f	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl. A.P.I. Gravity of Liquid Hydrocarbons _____ Deg. Specific Gravity Separator Gas _____ X X X X X X X X Specific Gravity Flowing Fluid _____ X X X X X Critical Pressure _____ P.S.I.A. _____ P.S.I.A. Critical Temperature _____ R _____ R
1					
2.					
3.					
4.					
5.					

NO.	P _f ²	P _w ²	P _w ²	P _f ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.89139$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.61281$ $AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3247$
1		819	670,761	752,488	
2					
3					
4					
5					

Absolute Open Flow 3247 Mcfd @ 15.025		Angle of Slope θ _____	Slope 75
Remarks: Trace of Condensate. No water- Well flared throughout test.			
Approved By Commission		Conducted By: Joe F. Elledge	Calculated By: Joe F. Elledge Checked By: Lynn Hatley