

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENTP. O. BOX 2088
SANTA FE, NEW MEXICO 87501Form C-122
Revised 10-1-78

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 3-3-83	
Company Petro-Lewis Corp.				Connection El Paso Natural Gas Co.	
Pool Blanco				Formation Mesaverde	
Completion Date 2-23-83		Total Depth 8410		Plug Back TD 6114	
				Elevation 7228 K.B.	
Farm or Lease Name Florance		Well No. 9			
Csq. Size 5 1/2	Wt. 15.5	d 4.950	Set At 8410	Perforations: From 5415 To 5937	
Inq. Size 2 3/8	Wt. 4.7	d 1.995	Set At 5396	Perforations: From open To ended	
Type Well - Single - Bradenhead - G.C. or G.O. Multiple Single				Packer Set At B.P. @ 6114	
Producing Thru		Reservoir Temp. °F 8		Baro. Press. - P _g 12 psia	
Mean Annual Temp. °F				State New Mexico	
L	H	G _g .650	% CO ₂	% N ₂	% H ₂ S
Prover		Meter Run		Taps	

FLOW DATA

NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	TUBING DATA		CASING DATA		Duration of Flow
							Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	
SI	8 days						450		882		
1.	2 inch	1/2"					116	60°	722	60°	3 hrs.
2.											
3.											
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, Mc/d
1			128	1.000	.9608	1.012	
2.	5.4315						676
3.							
4.							
5.							

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

P _c 894	P _c ² 799236	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 3.06832$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2.3183$
P _t ²	P _w ²	P _c ² - P _w ²	
1	734	538756	260480
2			
3			
4			
5			

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1567$$

Absolute Open Flow 1567 Mc/d @ 15.025 Angle of Slope 0 Slope, n .75

Remarks:

Approved By Division	Conducted By: Joe Elledge	Calculated By: Joe Elledge	Checked By: William D. Fulton
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