

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 12-22-79				
Company Petro-Lewis Corporation				Connection El Paso Natural Gas					
Pool Blanco				Formation Mesaverde				Unit	
Completion Date 12-13-79		Total Depth 6230		Plug Back TD 6230		Elevation 7337		Farm or Lease Name Ruddock	
Coq. Size 4.500	Wt. 10.5	d 4.052	Set At 6300	Perforations: From 6021 To 6090			Well No. 7		
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 5940	Perforations: From Open To Ended			Unit Sec. Twp. Rge. C 3 25N 3W		
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At 5940		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 est	% 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	9 days						1148		672		
1.	2 inch	.750		71			71	51°	672		3 hours
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, Mcfd
1	12.3650		83	1.0088	.9608	1.010	1,005
2.							
3.							
4.							
5.							

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

NO.	P _f	P _w	P _w ²	P _f ² - P _w ²	(1) $\frac{P_c^2}{P_f^2 - P_w^2} = 2.0488$	(2) $\left[\frac{P_c^2}{P_f^2 - P_w^2} \right]^n = 1.71249$
1	1160	1160	1,345,600	488,838	656,762	
2						
3						
4						
5						

Absolute Open Flow 1721 Mcfd @ 15.025 Angle of Slope 75

Remarks: Dry gas throughout test with a good show of oil

Approved By Commission:	Conducted By: Joe F. Elledge	Calculated By: Joe F. Elledge	Checked By: Mr. Lynn Hatley
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