

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL •

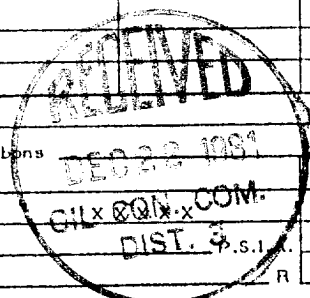
Form C-122
 Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 12-18-81	
Company Petro Lewis Corporation				Connection El Paso Natural Gas Co.			
Pool Blanco				Formation Mesaverde		Unit	
Completion Date 12-10-81		Total Depth 6300'		Plug Back TD 6260		Elevation 7447 G.L.	
Farm or Lease Name Ruddock							
Well No. 7A							
Unit Sec. Twp. Rge. E 3 25N 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 6		Mean Annual Temp. °F		State New Mexico	
Baro. Press. - P _g 12 psi Est							
L H Gg % CO ₂ % H ₂ % H ₂ S Prover Meter Run Taps							
. . .650							

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.	
1.	8 days						961		952	
2.	2 inch	.750					21	51°	459	
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		33	1.0088	.9608	1.008	399
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 <td>Deg.</td>	Deg.
2.					Specific Gravity Separator Gas <td>XXXXXXX</td>	XXXXXXX
3.					Specific Gravity Flowing Fluid <td></td>	
4.					Critical Pressure <td>P.S.I.A.</td>	P.S.I.A.
5.					Critical Temperature <td>R</td>	R



P _r 973 P _c ² 946729		(1) $\frac{P_c^2}{P_r^2 - P_w^2} = 1.3060$		(2) $\left[\frac{P_c^2}{P_r^2 - P_w^2} \right]^n = 1.22169$	
NO.	P _r ²	P _w	P _w ²	P _c ² - P _w ²	
1		471	221841	724888	
2					
3					
4					
5					

$AOF = Q \left[\frac{P_c^2}{P_r^2 - P_w^2} \right]^n = 487$

Absolute Open Flow 487 Mcfd @ 15.025		Angle of Slope θ Slope, n .75	
Remarks:			

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