

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 9-16-85	
Company Curtis J. Little			Connection El Paso		
Pool So. Blanco			Formation P.C.		Unit
Completion Date 9-4-85		Total Depth 3335	Plug Back TD 3288	Elevation 3618 G.L.	Farm or Lease Name Salazar
Ceq. Size 4 1/2	Wt. 10.5	d 4,052	Set At 3321	Perforations: From 2304 To 2348	Well No. 12
Thq. Size 2 3/8	Wt. 4.7	d 1,995	Set At 3320	Perforations: From open To ended	Unit Sec. Twp. Rye. A 21 25 6
Type Well - Single - Bradenhead - G.G. or G.O. Multiple G.G. Dual				Packer Set At 2460	County Rio Arriba
Producing Thru Casing		Reservoir Temp. °F #	Mean Annual Temp. °F	Baro. Press. - P _a 12 psi(est.)	State New Mexico
L 1498	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. hw	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.		Temp. °F
SI	12 days								671		
1.	2 inch	.750							44	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 Ft.	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	12.3650		56	1.000	.9608	1.004	668
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon R _g	Mcf/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbon	Deq.
2.					Specific Gravity Separator Gas	XXXXXXX
3.					Specific Gravity Flowing Fluid	XXXXXXX
4.					Critical Pressure	P.S.I.A.
5.					Critical Temperature	R

P _c 683	P _c ² 466489	
NO.	P _i ²	P _w
1		62
2		3821
3		462668
4		calculated
5		

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.0083$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 673$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0070$$

Absolute Open Flow	673	Mcf/d @ 15.025	Angle of Slope	Slope, n .85
Remarks:				

Approved By Division	Conducted By: Joe Elledge	Calculated By: Joe Elledge	Checked By: Curtis J. Little
----------------------	------------------------------	-------------------------------	---------------------------------