

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 Natural Gas Co.		
Pool So. Blanco			Formation P.C.		Unit
Completion Date 9-7-85		Total Depth 3575		Plug Back TD 3548	Elevation 6650 G.L.
Farm or Lease Name Salazar			Well No. 10		
Csq. Size 4 1/2	Wl. 10.5	d 4.052	Set At 3568	Perforations: From 2577 To 2680	
Thg. Size 2 3/8	Wl. 4.7	d 1.995	Set At 3503	Perforations: From open To ended	
Type Well - Single - Bradenhead - G.C. or G.O. Multiple G.G. Dual				Packer Set At 2716	
Producing Thru Casing		Reservoir Temp. °F #		Mean Annual Temp. °F	
Baro. Press. - P _a 12 psia(est.)		State New Mexico			
L 1675	H	G _g .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.		Temp. °F
SI	9 days								620		
1.	2 inch	.750							96	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 F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.3650		108	1.000	.9608	1.010	1296
2.							
3.							
4.							
5.							

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

P _c 632 P _c ² 399424				
NO.	P _i ²	P _w	P _w ²	P _c ² - P _w ²
1		12	14543	384881
2				
3		calculated		
4				
5				

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.0378$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1338$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0320$$

Absolute Open Flow	1338	Mcf/d @ 15.025	Angle of Slope θ	Slope, n	.85
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Remarks: Dry gas

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