

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 9-6-85		Total Depth 3345		Plug Back TD 3268	Elevation 6635 G.L.
Casing Size 4 1/2		ID 10.5		Set At 4.052	
Perforations: From 2294 To 2344		Well No. 11			
Tub. Size 1.900		ID 2.75		Set At 1.610	
Perforations: From open To ended		Unit C		Sec. 22	Twp. 25
Type Well - Single - Bradenhead - G.G. or G.O. Multiple G.G. Dual		Packer Set At 2370		County Rio Arriba	
Producing Thru Casing		Reservoir Temp. °F •		Mean Annual Temp. °F	
Baro. Press. - P _g 12 psi(est.)		State New Mexico			
L	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.	
SI	10 days								672	
1.	2 inch	.750							38	60°
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		50	1.000	.9608	1.003	596
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbon <td>Deg.</td>	Deg.
2.					Specific Gravity Separator Gas <td>XXXXXXX</td>	XXXXXXX
3.					Specific Gravity Flowing Fluid <td>DISX 8X</td>	DISX 8X
4.					Critical Pressure <td>P.S.I.A.</td>	P.S.I.A.
5.					Critical Temperature <td>R</td>	R

NO.	P ₁ ²	P _w	P _w ²	P _c ² - P _w ²
1		55	3045	464811
2				
3				
4				
5				

P_c 684 P_c² 467856

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.00655$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.00557$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 599$

SEP 19 1985

OIL CON. DIV.

DISX 8X

Absolute Open Flow	599	Mcf/d @ 15.025	Angle of Slope	Slope, n	.85
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Remarks:			

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