

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-122
Revised 10-1-78

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 1-12-83				
Company SHERMAN F. WAGENSELLER				Connection EL PASO GAS COMPANY					
Pool South Blanco PC				Formation Pictured Cliffs				Unit 3-12	
Completion Date 1-12-83		Total Depth 3200		Plug Back TD 3136		Elevation 7241Gr.		Farm or Lease Name Mobil Apache 18	
Csq. Size 4 1/2	Wt. 11.6	d 4.000	Set At 3180	Perforations: From 3018 To 3032		Well No. 2			
Thq. Size 2 3/8	Wt. 4.7	d 1.995	Set At 3100	Perforations: From 3100 To		Unit A		Sec. 18	Twp. 23
Type Well - Single - Bradenhead - G.G. or G.O. Multiple single				Packer Set At		County N. M.			
Producing Thru Tbg		Reservoir Temp. °F 120 @ 3100		Mean Annual Temp. °F		Baro. Press. - P _a		State N. M.	
L	H	G _g est. .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
51			.750				261		564		7 Days
1.				51		59			158		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	12.365		63	1.009	.9608	1.009	762
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 Hydrocarbons _____ Deg.
2.					Specific Gravity Separator Gas _____ X X X X X X X X
3.					Specific Gravity Flowing Fluid _____ X X X X X
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

P _c 576 P _e 2331776					
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.1371$ $(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1154$ $AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 850$
1		200	40000	231776	
2					
3					
4					
5					

Absolute Open Flow 850		Mcf @ 15.025		Angle of Slope @ _____		Slope, n .85	
Remarks: heavy fo. of water & dist. through out test							
Approved By Division		Conducted By: C. R. WACKER		Calculated By: C. R. WACKER		Checked By:	