

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 12/24/86	
Company Union Texas Petroleum Corp.			Connection Gas Company of New Mexico		
Pool Blanco			Formation Mesaverde		Unit
Completion Date 11/29/86		Total Depth 6150	Plug Back TD 6105	Elevation 7150' GL	Form or Lease Name McCroden "A"
Cas. Size 7.988	Wt. 10.3.0	d 6.366	Set At 3719-6150	Perforations: From 5316 To 6003	Well No. 8
Tub. Size 2.375	Wt. 4.7	d 1.995	Set At 5953	Perforations: Open Ended	Unit Sec. Twp. Rye. N 9 25N 3W
Type Well - Single - Broadhead - G.G. or G.C. Multiple Single - Gas				Packer Set At	County Rio Arriba
Producing Thru Tubing		Reservoir Temp. °F 8	Mean Annual Temp. °F	Baro. Press. - P _a 12	State New Mexico
L 5953	H	G _g 0.690	% 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
1.	2"		3/4"				738		1215		7 Days
2.							218	75°	761	75°	3 Hrs
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 _{sp}	Rate of Flow Q, Mscf
1	12.3650		230	0.9859	0.9325	1.024	2677
2							
3							
4							
5							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcl/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 1227	P _c ² 1 505 529			
NO.	P _r ²	P _w	P _w ²	P _c ² - P _w ²
1		773	597,529	908,000
2				
3				
4				
5				

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.6581$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3911$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.4611$$

Absolute Open Flow	3911	Mscf @ 15.025	Angle of Slope @	Slope, n	0.75
Remarks:					
Approved By Division					
Conducted By:		Calculated By:		Checked By:	