

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 10/13/87	
Company Union Texas Petroleum Corp				Correlation Gas Co. of New Mexico	
Pool Blanco - Basin				Formation Mesaverde - Dakota	
Completion Date 10/3/87		Total Depth 7920		Plug back TD 7865	
		Elevation 6788 GL		Farm or Lease Name Jicarilla "H"	
Csg. Size 7.988	Wt. 23.0	6.366	Set At 3687	Perforations: From 5082 To 7852	
	10.5	4.052	3486 - 7908	Well No. 6M	
Tub. Size 2.375	Wt. 4.7	1.995	Set At 7724	Perforations: From 7704 To 7710	
Type Well - Single - Fractured - G.C. or G.O. Multiple Multiple - Gas - Commingle				County Rio Arriba	
Producing Thru Tubing		Reservoir Temp. °F 8		State New Mexico	
		Mean Annual Temp. °F 12		Bore. Press. - P _g	
L		H		Prover	
		0.690		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	2"		3/4"				1094		920		8 Days
1.							121	66°	597	66°	3 Hours
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, F _{sp}	Rate of Flow Q, Mcfd
1	12.3650		133	0.9943	0.9325	1.016	1549
2.							
3.							
4.							
5.							

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

NO.	P _r	P _c	P _w	P _r ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_r^2 - P_w^2} =$	(2) $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n =$
1	1106	21.223	236	609	370,881	1.4351	1.3112
2.							
3.							
4.							
5.							

NO.	P _r	P _c	P _w	P _r ²	P _c ² - P _w ²	AOF = Q $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n =$
1						2031
2.						
3.						
4.						
5.						

Absolute Open Flow		2031	Mcf @ 15.025	Angle of Slope @	Slope, n 0.75
Remarks:					
Approved By Division		Conducted By: Steve Greenwood		Checked By: John C. Rector	