

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 12/24/86	
Company Union Texas Petroleum Corp.			Connection El Paso Natural Gas Co.		
Pool Gallup/Basin			Formation Gallup/Dakota		Unit
Completion Date 12/13/86		Total Depth 7320	Plug back TD 7257	Elevation 6712' GL	Form or Lease Name Jicarilla "L"
Cas. Size 4.500	Wt. 10.5	d 4.052	Set At 7301	Perforations: From 6046 To 7060	Well No. 11
Tub. Size 2.375	Wt. 4.7	d 1.995	Set At 7050	Perforations: From 7021 To 7027	Unit Sec. Twp. Rge. G 3 24N 5W
Type Well - Single - Brdennhead - G.G. or G.O. Multiple Gas - Oil - Multiple				Prover Set At	County Rio Arriba
Producing Thru Tubing		Reservoir Temp. °F	Mean Annual Temp. °F	Baro. Press. - P _g 12	State New Mexico
L 7021	H	G _g 0.700	% 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	2"		3/4"				777		1233		7 Days
1.							147	73°	538	73°	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, F _{sp}	Rate of Flow O, Mcfd
1	12.3650		159	0.9877	0.9258	1.018	1830
2							
3							
4							
5							

NO.	P _r	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	XXXXXXX
3					Specific Gravity Flowing Fluid	XXXXX
4					Critical Pressure	P.S.I.A.
5					Critical Temperature	R

P _c 1245	P _c ² 1,550,025	(1) $\frac{P_c^2}{P_r^2 - P_w^2} = 1.2425$	(2) $\left[\frac{P_c^2}{P_r^2 - P_w^2} \right]^n = 1.1768$
NO. 1	P _r ² 550	P _w ² 302,500	P _r ² - P _w ² 1,247,525
2			
3			
4			
5			

Absolute Open Flow 2154		Mcf @ 15.025	Angle of Slope @	Slope, n 0.75
Remarks:				
Approved By Division				
Conducted By: Bruce Voiles		Calculated By: John C. Rector		Checked By: