

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 2-5-77			
Company Chase Oil Company				Connection waiting on pipeline					
Pool Rusty Chacra				Formation Chacra				Unit	
Completion Date 1-15-77		Total Depth 1940'		Plug Back TD 1921'		Elevation 6708' KB		Farm or Lease Name Rusty Navajo	
Csg. Size 4.500	Wt. 9.50	d 4.090	Set At 1940'	Perforations: From 1695 To 1917.5				Well No. 5	
Tbg. Size 1.900	Wt. 2.90	d 1.610	Set At 1912'	Perforations: From open To ended				Unit Sec. Twp. Rge. A 22 22N 7W	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple single						Packer Set At none		County Sandoval	
Producing Thru tubing		Reservoir Temp. °F 80 @ 1940'		Mean Annual Temp. °F ---		Baro. Press. - P _a 12.0		State New Mexico	
L 1912	H 1912	Gg 0.65	% 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							400		420		7 day
1.	3/4 T.H.C.						55	60	180		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 F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.3650		67	1.0000	0.9608	1.0000	796
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 _____ XXXXXXXXXX
3.					Specific Gravity Flowing Fluid _____ XXXXXX
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

P _c 432	P _c ² 186,624	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.2461$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.2056$	
NO.	P _i ²	P _w	P _w ²	P _c ² - P _w ²
1		192	36,864	149,760
2				
3				
4				
5				

Absolute Open Flow 960 Mcfd @ 15.025		Angle of Slope 0.85
Remarks:		

Approved By Commission:	Conducted By: Royce McCarry	Calculated By: Ewell N. Walsh	Checked By:
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