

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 1-14-86				
Company Ross Carbonics Inc.				Connection 12-1-85					
Pool Bravo Dome				Formation Tubb				Unit	
Completion Date 2-1-84		Total Depth 2266		Plug Back TD 2263		Elevation 4600		Farm or Lease Name Hayoz	
Csq. Size 7	Wt. 26	d	Set At 2263	Perforations: From 2092-2161 To			Well No. 1		
Tbg. Size 2 7/8	Wt. 6.5	d	Set At	Perforations: From To			Unit Sec. Twp. Rge. F 12 19N. 30E.		
Type well - Single - Bradenhead - G.G. or G.O. Multiple Single					Packer Set At 2065 to 2073		County Harding		
Producing Thru Tubing		Reservoir Temp. °F 90 @ 2195		Mean Annual Temp. °F 50		Baro. Press. - P _a 12.2		State New Mexico	
L 2195	H 2195	Gg 1.529	% CO ₂ 100	% N ₂ 0	% H ₂ S 0	Prover	Meter Run 4.0	Taps Flange	

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	4.026 X 2.000			444.0							
1.	"	"	"	180	7	52	192.2	50			1 hr
2.	"	"	"	150	7	54	162.2	50			1 hr
3.	"	"	"	121	9.5	55	133.2	50			1 hr
4.	"	"	"	92	12	55	104.2	50			1 hr
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1							609
2							564
3							587
4							580
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 _____ XXXXXXXXX
3					Specific Gravity Flowing Fluid _____ XXXXX
4					Critical Pressure _____ 1072 P.S.I.A. _____ P.S.I.A.
5					Critical Temperature _____ 547 _____ R _____ R

P _c 456.2 P _c ² 208.1				
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1		192.2	36.94	171.16
2		162.2	26.30	181.80
3		133.2	17.74	190.36
4		104.2	10.86	197.24
5				

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

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

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

Absolute Open Flow _____ Mcfd @ 15.025	Angle of Slope @ _____	Slope, n _____
Remarks: _____		
Approved by Division _____ Conducted By: _____ Calculated By: _____ Checked By: _____		
Mock Well Testing		

day 2 = 1

