

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: 6-14-85	
Company: Amoco Production Company		Connection:	
Pool: Bravo Dome Carbon Dioxide Gas Unit 640-acre area		Formation: Tubb	
Completion Date: 12-5-83		Total Depth: 2600'	Plug Back TD: 2552'
Elevation: 4590' GL		Farm or Lease Name:	
Csg. Size: 7"	Wt.: 20#	Set At: 2600'	Perforations: From 2070' To 2230'
Well No.: 1935 321G			
Tubg. Size: 3-1/2"	Wt.: 9.3#	Set At: 2045'	Perforations: From To
Unit: G	Sec: 32	Twp: 19	Range: 35
Type Well - Single - Bradenhead - G.G. or G.O. Multiple		Packer Set At: 2015'	County: Union
Producing Thru Tubing	Reservoir Temp. °F: 92° @ 2150'	Mean Annual Temp. °F: 50	Baro. Press. - P _a : 12.2
State: New Mexico			
L: 2150'	H: 2150'	G _g : 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.	
SI							325			
1.	4.026 x 2.625			233	35	59	245.2	50		
2.	4.026 x 2.625			258	20	60	270.2	50		
3.	4.026 x 2.625			285	10	61	297.2	50		
4.	4.026 x 2.625			316	2	60	328.2	50		
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							2827
2							2256
3							1661
4							
5							

NO.	P _t	Temp. °R	T _t	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1					A.P.I. Gravity of Liquid Hydrocarbons	0
2					Specific Gravity Separator Gas	1.529
3					Specific Gravity Flowing Fluid	X X X X X
4					Critical Pressure	1072
5					Critical Temperature	547

P _c : 337.2	P _c ² : 113.70	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.12$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.706$	
NO.	P _t	P _w	P _w ²	P _c ² - P _w ²
1		245.2		53.580
2		270.2		40.696
3		297.2		25.376
4		328.2		5.989
5				

Absolute Open Flow: 4823 Mcfd @ 15.025		Angle of Slope θ:	Slope, n: .71
Remarks:			
Approved By Commission:	Conducted By:	Calculated By: D. D. Kimble	Checked By:

