

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				Unit: BDCDGU	
Completion Date: 12-02-83		Total Depth: 2646'		Plug Back TD: 2550'		Elevation: 4483' GL		Farm or Lease Name:	
Csg. Size: 7"	Wt.: 20#	Set At: 2646'	Perforations: From 2046' To 2166'		Well No.: 1935 361G				
Tubg. Size: 3-1/2"	Wt.: 9.3#	Set At: 2004'	Perforations: From To		Unit: G		Sec: 26	Twp: 19	Rge: 35
Type Well - Single - Bradenhead - G.G. or G.O. Multiple						Packer Set At: 1974'		County: Union	
Producing Thru: Tubing		Reservoir Temp. °F: 85 @ 2106'		Mean Annual Temp. °F: 50		Baro. Press. - P _a : 12.2		State: New Mexico	
L: 2106'	H: 2106'	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							312			
1.	4.026 x 2.00			265	23	61	277.2	50		
2.	4.026 x 2.00			278	13	61	290.2	50		24 hrs
3.	4.026 x 2.00			299	3	62	311.2	50		24 hrs
4.	4.026 x 2.00			322	1	63	322.2	50		24 hrs
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							1318
2							759
3							382
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 _____ 1.529 XXXXXXXX
3.					Specific Gravity Flowing Fluid _____ XXXXX
4.					Critical Pressure _____ 1072 P.S.I.A.
5.					Critical Temperature _____ 547 R _____ R

P _r 324.2	P _w 104.976		
NO.	P _r	P _w	P _r ² - P _w ²
1		277.2	28.136
2		290.2	20.760
3		311.2	8.131
4		322.2	1.163
5			

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 3.73$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 4853$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3.682$

Absolute Open Flow: 4853 Mcfd @ 15.025	Angle of Slope θ: _____	Slope, n: .99
Remarks: _____		
Approved By Commission:	Conducted By:	Calculated By: D. D. Kimble
		Checked By: