

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

Form C-122
 Revised 9-1-63

Type Test: ☒ Initial ☐ Annual ☐ Special						Test Date: 3/14/98		API Number: 30-059-20366		
Company: Amoco Exploration & Production				Connection: Bravo Dome CO2 Plant				RTU Number: 111		
Pool: N/A				Formation: Tubb				Unit: BDCDGU		
Completion Date: 6/1/98		Total Depth: 2390		Plug Back Depth: 2372		Elevation: 4738 KB		Farm or Lease Name: Bravo Dome		
Csg. Size: 5.50	Wt.: 14.0	Csg. Inside Dia: 5.012	Set At: 2382	Perforations: From 2147 To 2316		Well Number: 1934-252-K				
Tbg. Size: 3.50	Wt.: FG	Tbg. Inside Dia: 2.95	Set At: 2127	Perforations: From n/a To n/a		Unit Sec. Twp. Rge.: SEC. 25, T-19, R-34				
Type well - Single-Bradenhead-G.G. or G.O. Multiple: Single						Packer Set At: 2123		County: Union		
Producing Through: Tubing		Reservoir Temp. F: 95		Mean Annual Temp. F: 60		Baro. Press. - PSIA: 12.2		State: New Mexico		
Flow Channel, L: 2372	Depth, H: 2372	Gg: 1.5192	%CO2: 100	%N2: 0	%H2S: 0	Prover: ORIFICE	Meter Run: 4 inch	Taps: FLANGE		
FLOW DATA					TUBING DATA		CASING DATA		Duration of Flow	
NO.	Prover Size	X	Stat. Press. psig	Diff. Press. Hw	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.		Temp. °F
SI						176				24 hour
1.						174				60 MIN
2.						168				60 MIN
3.						158				60 MIN
4.						119				60 MIN
5.						0				
RATE OF FLOW CALCULATIONS										
NO.	Coefficient (24 Hours)		Pressure Pm	Flow Temp. Factor, Ft	Gravity Factor, Fg	Super Compressibility Factor, Fpv	Rate of Flow Q, Mcfd			
SI							Values	Log(10)		
1.							310	2.4914		
2.							700	2.8451		
3.							1150	3.0607		
4.							2159	3.3343		
5.							5185	AOF		
NO.	P r	Temp. °R	T r	Z	Gas Liquid Hydrocarbon Ratio: N/A Mcf/bbl A. P. I. Gravity of Liquid Hydrocarbon: N/A Deg. Specific Gravity Separator Gas: N/A Specific Gravity Flowing Fluid: 1.5192 Critical Pressure: 1072 P.S.I.A. Critical Temperature: 548 R					
1.										
2.										
3.										
4.										
5.										
Pc = 218.3392		Pc^2 = 47.672				(1) 4th test point	(2) 4th test point			
NO.	P t^2	Pw	P w^2	Pc^2 - P w^2	Pc^2 - P w^2	Pc^2	P c^2 - P w^2			
SI		218.3	47.672	0	Log(10)	3.574	P c^2 - P w^2		2.401	
1.		216.5	46.890	782	2.8933					
2.		212.0	44.961	2.711	3.4332					
3.		206.1	42.467	5.205	3.7164					
4.		185.3	34.335	13.337	4.1251					
5.										
Absolute Open Flow: 5,185 Mcfd @ 15.025						Angle of Slope: 55.48	Slope, n = 0.688 (Cotangent)			
Remarks:										
Approved By Commission:		Conducted By: Automation			Calculated By: Spreadsheet		Checked By: Michael Preston			