

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 8/28/98		API Number 30-059-20372	
Company Amoco Exploration & Production				Connection Bravo Dome CO2 Plant			RTU Number 2012	
Pool N/A				Formation Tubb			Unit BDCDGU	
Completion Date 8/3/98		Total Depth 2320		Plug Back Depth 2307		Elevation 4665 KB		Form or Lease Name Bravo Dome
Csg. Size 5.50	Wt. 14.0	Csg. Inside Dia 5.012	Set At 2315	Perforations From 2100 To 2250		Well Number 1935-192-L		
Tbg. Size 3.50	Wt. FG	Tbg. Inside Dia 2.95	Set At 2095	Perforations From n/a To n/a		Unit Sec. Twp. Rge. SEC. 19, T-19, R-35		
Type well - Single-Bradenhead-G.G. or G.O. Multiple Single					Packer Set At 2087		County Union	
Producing Through Tubina		Reservoir Temp. F 95		Mean Annual Temp. F 60		Baro. Press. - PSIA 12.2		State New Mexico
Flow Channel, L 2307	Depth, H 2307	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	Stat. Press. psig	Diff. Press. Hw	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	
SI					70				24 hour
1.					168				60 MIN
2.					159				60 MIN
3.					145				60 MIN
4.					121				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.						410	2.6128		
2.						860	2.9345		
3.						1476	3.1691		
4.						2050	3.3118		
5.						4482	AOF		

NO.	Pr	Temp. °R	Tr	Z	Gas Liquid Hydrocarbon Ratio	N/A Mcf/bbl
1.					A. P. I. Gravity of Liquid Hydrocarbon	N/A Deg.
2.					Specific Gravity Separator Gas	N/A
3.					Specific Gravity Flowing Fluid	1.5192
4.					Critical Pressure	1072 P.S.I.A.
5.					Critical Temperature	548 R

Pc = 211.3438		Pc^2 = 44,666		(1) 4th test point		(2) 4th test point	
NO.	Pw^2	Pw	Pw^2	Pc^2 - Pw^2	Pc^2	Pc^2 - Pw^2	Pc^2 - Pw^2
SI		211.3	44,666	0	4.151		2.186
1.		210.0	44,091	575			
2.		203.2	41,296	3,370			
3.		197.0	38,828	5,838			
4.		184.1	33,906	10,761			
5.							

Absolute Open Flow 4,482 Mcfd @ 15.025				Angle of Slope 61.21		Slope, n = 0.550 (Cotangent)	
Remarks:							

Approved By Commission:	Conducted By: Automation	Calculated By: Spreadsheet	Checked By: Michael Preston
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