

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 6-19-85			
Company Amoco Production Company					Connection			
Pool Bravo Dome Carbon Dioxide Gas Unit - 640-Acre Area					Formation Tubb		Unit BDCDGU	
Completion Date 11-28-83		Total Depth 2616'		Plug Back TD 2530'		Elevation 4531' G.L.		Form or Lease Name
Csg. Size 7"	Wt. 20#	d	Set At 2616'	Perforations: From 2058' To 2228'		Well No. 1935 261G		
Tbg. Size 3 1/2"	Wt. 9.3#	d	Set At 2009'	Perforations: From To		Unit G	Soc. 26	Twp. 19
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single					Packer Set At 1970'		County Union	
Producing Thru Tubing		Reservoir Temp. °F 2143'		Mean Annual Temp. °F 50		Baro. Press. - P _a 12.2		State New Mexico
L 2143'	H 2143'	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							330			
1.	4.026	x	2.25	217	47	59	229.2	50		
2.	"	"	"	239	32	60	251.2	"		
3.	"	"	"	260	20	60	272.2	"		
4.	"	"	"	280	11	60	292.2	"		
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							2183
2							1906
3							1563
4							1197
5							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1.					0	
2.					0	
3.					1.529	X X X X X X X X
4.					X X X X X	
5.					1072	P.S.I.A.
					547	R

P _r 342.2	P _w 117.1	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.814$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.659$
NO.	P _r ²	P _w ²	P _r ² - P _w ²
1		229.2	64.568
2		251.2	53.999
3		272.2	43.008
4		292.2	31.720
5			

$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3621$

Absolute Cpm Flow	3621	Mcf/d @ 15.025	Angle of Slope θ	Slope, n .85
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Remarks:

Approved By Commission:	Conducted By:	Calculated By: D. D. Kimble	Checked By:
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