

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	
Company Amoco Production Company				Connection			
Pool Bravo Dome Carbon Dioxide Gas Unit-640 Acre Area				Formation		Unit BDCDGU	
Completion Date 1-2-86		Total Depth 2351		Plug Back TD 2295		Elevation 4590	
Csg. Size 7	Wt. 20	d	Set At 2351	Perforations: From 2084 To 2234		Well No. 1935 161G	
Thq. Size 3-1/2	Wt. 9.3	d	Set At 2236	Perforations: From To		Unit Sec. Twp. Rge. G 16 19 35	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At 2060		County Union	
Producing Thru Tubing		Reservoir Temp. °F 90 @ 2159		Mean Annual Temp. °F 50		Baro. Press. - P _a 12.25	
L 2159		H 2159	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.		Temp. °F
SI							320				
1.	4.026 x 3.000			192.5	30	39	204.75	39			1.5
2.	4.026 x 3.000			167.4	42	40	179.65	40			1.5
3.	4.026 x 3.000			144.5	60	39	156.75	39			1.5
4.	4.026 x 3.000			126.3	86	35	138.55	35			1.5
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1							3466
2							3702
3							3906
4							4141
5							

NO.	P _t	Temp. °R	T _t	Z	Gas Liquid Hydrocarbon Ratio	A.P.I. Gravity of Liquid Hydrocarbons	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure	Critical Temperature
1.					0		1.529		1072	496
2.										
3.										
4.										
5.										

P _c 333.2	P _c ² 110.357	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.2$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1$
NO.	P _t ²	P _w	P _w ²
1		205	68.332
2		180	77.957
3		157	85.708
4		139	91.036
5			

Absolute Open Flow 4666 Mcfd @ 15.025		Angle of Slope θ		Slope, n .62
Remarks:				
Approved By Commission:				
Conducted By:		Calculated By: Don Kimble		Cchecked By: