

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 4-23-85			
Company Amoco Production Company				Connection				
Pool Bravo Dome Carbon Dioxide Unit - 640 acre area				Formation Tubb			Unit BDCDGU	
Completion Date 3-7-81		Total Depth 2688'		Plug Back TD 2650		Elevation 4958		Farm or Lease Name
Csg. Size 5.5	Wt. d	Set At 2688	Perforations: From 2357 To 2601		Well No. 1934 071F			
Thq. Size 2-7/8	Wt. 6.5	Set At 2162	Perforations: From To		Unit Sec. Twp. Rge. F 07 19 34			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single					Packer Set At 2154		County Union	
Producing Thru Tubing		Reservoir Temp. °F 90°@ 2479		Mean Annual Temp. °F 50		Baro. Press. - P _a 12.2		State New Mexico
L 2479	H 2479	Gg 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. hw	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.		Temp. °F
SI							304				
1.	4.026 x 2.375			215	33	57	227.2	50			24 hr.
2.	4.026 x 2.375			239	22	61	251.2	50			24 hr.
3.	4.026 x 2.375			249	18	60	261.2	50			24 hr.
4.	4.026 x 2.375			274	9	62	286.2	50			24 hr.
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							2307
2							1827
3							1683
4							1254
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	0	1.529	XXXXXX	1072	547
2.										
3.										
4.										
5.										

P _c 316.2	P _c ² 99.982	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.07$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.57$
NO. 1	P _t ² 227.2	P _w ² 48.363	P _c ² - P _w ² 18.617
2	251.2	36.881	214.319
3	261.2	31.757	229.443
4	286.2	18.072	268.128
5			

Absolute Open Flow 3619 Mcfd @ 15.025		Angle of Slope θ	Slope, n .62
Remarks:			
Approved By Commission:			
Conducted By:		Calculated By: D. D. Kimble	Checked By: