

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 4-4-85			
Company Amoco Production Company				Connection				
Pool Bravo Dome Carbon Dioxide Unit - 640 acre area				Formation Tubb		Unit BDCDGU		
Completion Date 11-1-83		Total Depth 2750		Plug Back TD 2700		Elevation 5113		Farm or Lease Name
Csg. Size 7	Wt. 20	d	Set At 2738	Perforations: From 2499 To 2656			Well No. 2033 051G	
Thq. Size 3.5	Wt. 9.3	d	Set At 24	Perforations: From To			Unit Sec. Twp. Rge. G 05 20 33	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single					Packer Set At 2443		County Harding	
Producing Thru Tubing		Reservoir Temp. °F 90° 2578		Mean Annual Temp. °F 50		Baro. Press. - P _a 12.2		State New Mexico
L 2578	H 2578	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							285				
1.	4.026 x 1.125			210	53	57	222.2	50			24 hr.
2.	4.026 x 1.125			235	19	56	247.2	50			24 hr.
3.	4.026 x 1.125			255	10	57	267.2	50			24 hr.
4.	4.026 x 1.125			283	1	56	295.2	50			24 hr.
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							435
2							277
3							110
4							33
5							

NO.	P _t	Temp. °R	T _t	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2.					Specific Gravity Separator Gas 1.529 X X X X X X X X
3.					Specific Gravity Flowing Fluid X X X X X
4.					Critical Pressure 1072 P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature 547 R _____ R

P _c 297.2	P _c ² 88.327	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.267$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.83$
NO.	P _t ²	P _w	P _w ²
1		222.2	38.955
2		247.2	27.220
3		267.2	16.932
4		295.2	1.185
5			

$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 797$

$AOF = Q$

Absolute Open Flow 797 Mcfd @ 15.025	Angle of Slope θ _____	Slope, n 74
Remarks: _____		
Approved By Commission:	Conducted By:	Calculated By: D. D. Kimble
		Checked By: