

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test <input checked="" type="checkbox"/> Initial <input type="checkbox"/> Annual <input type="checkbox"/> Special		Test Date 4-29-85	
Company Amoco Production Company		Connection	
Pool Carbon Dioxide Gas Unit Bravo Dome 640 Acre Area		Formation Tubb	
Completion Date 11/3/83		Total Depth 2572	Fluo Back TD 2517
		Elevation 4834 GL	
Farm or Lease Name		Unit BDCDGU	
Csq. Size 7	Wt. 20	Set At 2572	Perforations: From 2242 To 2444
Thq. Size 3.5	Wt. 9.3	Set At 2171	Perforations: From To
Type Well - Single - Broadhead - G.G. or G.O. Multiple Single		Packer Set At 2153	Well No. 2034 071G
Producing Thru Tubing		Reservoir Temp. *F 90 @ 2343	Mean Annual Temp. *F 50
		Baro. Press. - P _a 12.2	
L 2343	H 2343	G _g 1.529	% CO ₂ 100
		% N ₂ 0	% H ₂ S 0
		Prover	Meter Run 4.0
			Flaps Flange
FLOW DATA			
NO.	Prover Line Size	X	Orifice Size
SI			
1.	4.026 x 1.500		261
2.	4.026 x 1.500		235
3.	4.026 x 1.500		213
4.	4.026 x 1.500		192
5.			
TUBING DATA			
NO.	Press. p.s.i.g.	Diff. hw	Temp. *F
1.	312	2	57
2.	270	7	58
3.	243	14	59
4.	222	23	58
5.	202		50
CASING DATA			
NO.	Press. p.s.i.g.	Temp. *F	Duration of Flow
1.			24 hr
2.			24 hr
3.			24 hr
4.			24 hr
5.			24 hr
RATE OF FLOW CALCULATIONS			
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m
1.			
2.			
3.			
4.			
5.			
NO.	Flow Temp. Factor Ft.	Gravity Factor F _g	Super Compress. Factor, F _{pv}
1.			
2.			
3.			
4.			
5.			
NO.	P _r	Temp. *R	T _r
1.			
2.			
3.			
4.			
5.			
Gas Liquid Hydrocarbon Ratio _____ 0 _____ Mct/bbl.			
A.P.I. Gravity of Liquid Hydrocarbons _____ 0 _____ Deg.			
Specific Gravity Separator Gas _____ 1.529 _____ X X X X X X X X			
Specific Gravity Flowing Fluid _____ X X X X X _____			
Critical Pressure _____ 1072 _____ P.S.I.A.			
Critical Temperature _____ 547 _____ P.S.I.A.			
R _____ R			
P _c	324.2	P _w	105.106
NO.	P _r ²	P _w ²	P _r ² - P _w ²
1	282.2	25.469	25.469
2	255.2	39.979	39.979
3	234.2	50.256	50.256
4	214.2	59.224	59.224
5			
(1) $\frac{P_c^2}{P_r^2 - P_w^2} = 2.09$			
(2) $\left[\frac{P_c^2}{P_r^2 - P_w^2} \right]^n = 2.09$			
ACF = Q $\left[\frac{P_c^2}{P_r^2 - P_w^2} \right]^n = 1458$			
Absolute Open Flow _____ 1458 _____ Mcfd @ 15.025		Angle of Slope _____ Slope, n _____ 1.0	
Remarks: _____			
Approved by Commission:		Conducted By:	
		D. R. White	
Calculated By:		Checked By:	