

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	
Completion Date 11-19-85	Total Depth 2597	Plug Back TD 2531	Elevation 4605
Csq. Size 7	Wt. 20	Set At 2594	Perforations: From 2414 To 2474
Tbg. Size 3-1/2	Wt. 9.3	Set At 2476	Perforations: From To
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single		Packer Set At -2394	Well No. 1835 281J
Producing Thru Tubing	Reservoir Temp. °F 90 @ 2444	Mean Annual Temp. °F 50	Baro. Press. - P _g 12.25
L 2444	H 2444	G _g 1.529	% CO ₂ 100
		% N ₂ 0	% H ₂ S 0
		Prover	Meter Run 4.0
			Taps Flange

FLOW DATA									
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	TUBING DATA		CASING DATA
							Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.
									Temp. °F
									Duration of Flow
1.	4.026 x 2.000			178.6	4	57	367		
2.	4.026 x 2.000			149.8	4.5	57	190.85	57	1.5
3.	4.026 x 2.000			119.7	6.5	57	162.05	57	1.5
4.	4.026 x 2.000			90	10	59	131.95	57	1.5
5.							102.25	59	1.5

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1.							
2.							490
3.							445
4.							482
5.							528

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

NO.	P _t ²	P _w	P _w ²	P _t ² - P _w ²	(1) $\frac{P_t^2}{P_t^2 - P_w^2} =$	(2) $\left[\frac{P_t^2}{P_t^2 - P_w^2} \right]^n =$
1.		191		107.312	1.07	1.07
2.		162		117.548		
3.		132		126.369		
4.		102		133.389		
5.						

AOF = Q $\left[\frac{P_t^2}{P_t^2 - P_w^2} \right]^n = 569$

Absolute Open Flow	569	Mcfd @ 15.025	Angle of Slope @	Slope, n	1.00
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Remarks:

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
		Don Kimble	

1835 2815

46 7400

AOF = 569

LOGARITHMIC 3 X 3 CYCLES
KEUFFEL & ESSER CO. MADE IN U.S.A.

$P_c^2 - P_w^2$

$K \Sigma$

