

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 2447		Plug Back TD 2430-		Elevation 4685		Farm or Lease Name	
Csg. Size 7	Wt. 20	d	Set At 2447	Perforations: From 2103 To 2228		Well No. 2135 311G			
Thq. Size 3-1/2	Wt. 9.3	d	Set At 1980	Perforations: From To		Unit Sec. Twp. Rge. G 31 21 35			
Type Well - Single - Bradenhead - G.C. or G.O. Multiple Single						Packer Set At 1950		County Union	
Producing Thru Tubing		Reservoir Temp. °F 90 @ 2165		Mean Annual Temp. °F 50		Baro. Press. - P _a 12.25		State New Mexico	
L 2165	H 2165	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.	
SI							304			
1.	4.026 x 2.500			184.1	39.5	46	196.35	46		
2.	4.026 x 2.500			155.4	54.5	47	167.65	47		
3.	4.026 x 2.500			128.9	76	47	141.15	47		
4.	4.026 x 2.500			102.1	48.5	45	114.35	45		
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							2428
2.							2621
3.							2756
4.							3070
5.							

NO.	P _f	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2.					Specific Gravity Separator Gas 1.529 XXXXXXXXX
3.					Specific Gravity Flowing Fluid XXXXX
4.					Critical Pressure 1072 P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature 496 R _____ R

P _c 316.2	P _c ² 99.982	
NO.	P _f ²	P _w ²
1	196	61.566
2	168	71.758
3	141	80.101
4	114	86.986
5		

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.15$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3375$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1$

Absolute Open Flow 3375 Mcfd @ 15.025	Angle of Slope ϕ _____	Slope, n .68
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Remarks:

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