

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

Form C-122
Revised 9-1-65

RECEIVED
OIL CONSERVATION DIVISION
SANTA FE

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 6/12/84			
Company Amoco Production Company				Connection			
Pool Bravo Dome				Formation Tubb		Unit BDCDGU	
Completion Date 5/7/82		Total Depth 2615		Plug Back TD 2527		Elevation 4585	
Csg. Size 5-1/2	Wt. 14#	Set At 2625	Perforations: From 2126 To 2220		Well No. 1935 031G		
Tub. Size 2-7/8	Wt. 6.5#	Set At 2113	Perforations: From To		Unit G	Soc. 3	Twp. 19N
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At 2074		County Union	
Producing Thru Tubing		Reservoir Temp. °F 90 @ 2173		Mean Annual Temp. °F 50		Baro. Press. - P ₀ 12.25	
L 2173		H 2173	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							333.3	50			1000 HR
1.	4.026 x	1.75		285	2	73	292	50			1.5
2.	4.026 x	1.75		241	20	65	247	50			1.5
3.	4.026 x	1.75		211	42	63	216	50			1.5
4.	4.026 x	1.75		159	81	64	165	50			1.5
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							287
2							913
3							1220
4							1481
5							

NO.	P _r	Temp. °R	T _r	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 496 R R

P _c 345.6	P _c ²			
NO.	P _r ²	P _w	P _w ²	P _c ² - P _w ²
1		304.3		26.8
2		259.3		52.2
3		228.3		67.3
4		177.3		88.0
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.357$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1925$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.300$

Absolute Open Flow 1925 Mcfd @ 15.025	Angle of Slope ϕ _____	Slope, n .859
Remarks: _____		

Approved By: <i>Ray Johnson</i>	Conducted By:	Calculated By: Don White	Checked By:
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