

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

Form C-122
Revised 9-1-65

RECEIVED

Type Test: ☒ Initial ☐ Annual ☐ Special					Test Date: 5/25/84		AUG 9 1984		
Company: Amoco Production Company				Connection:				OIL CONSERVATION DIVISION	
Pool: Bravo Dome				Formation: Tubb				Unit: BDCDGU	
Completion Date: 6/11/81		Total Depth: 2465		Plug Back TD: 2289		Elevation: 4672		Farm or Lease Name:	
Csg. Size: 5-1/2	Wt. 14#	Set At: 2465'	Perforations: From 2130 To 2265		Well No. 1935 051G				
Tbg. Size: 2-7/8	Wt. 6.5#	Set At: 2116	Perforations: From To		Unit Sec. Twp. Rge. G 5 19N 35E				
Type Well - Single - Bradenhead - G.G. or G.O. Multiple: Single					Packer Set At: 2078		County: Union		
Producing Thru: Tubing		Reservoir Temp. °F: 90 @ 2198		Mean Annual Temp. °F: 50		Baro. Press. - P _g : 12.25		State: New Mexico	
L: 2198	H: 2198	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							332.3	50			1000 HR
1.	4.026 x 2.5			280	3	61	289	50			1.5
2.	4.026 x 2.5			257	15	61	259	50			1.5
3.	4.026 x 2.5			229	26	60	230	50			1.5
4.	4.026 x 2.5			205	37	59	202	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							806
2							1753
3							2203
4							2475
5							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio: 0 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 : 344.6	P _c ²	$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.68$		$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.49$	
NO.	P _w	P _w ²	P _c ² - P _w ²	AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3689$	
1	301.3		28.0		
2	271.3		45.1		
3	242.3		60.0		
4	219.3		70.6		
5					

Absolute Open Flow: 3689 Mcfd @ 15.025	Angle of Slope θ: _____	Slope, n: .768
Remarks: _____		

Approved By:	Conducted By:	Calculated By: Don White	Checked By:
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