

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: 9-6-87	
Company: Amoco Production Company		Connection:	
Pool: Bravo Dome		Formation: Tubb	
Completion Date: 12-5-83		Total Depth: 2615	Plug Back TD: 2380
Elevation: 4865		Unit: BDCDGU	
Csg. Size: 7	WI: 20#	Set At: 2615	Perforations: From 2268 To 2372
Tag. Size: 3.5	WI: 9.5#	Set At: 2191	Perforations: From To
Type Well - Single - Bradenhead - G.C. or G.O. Multiple		Packer Set At: 2191	County: Harding
Producing Thru: Tubing	Reservoir Temp. °F: 90	Mean Annual Temp. °F: 50	Baro. Press. - P _a : 12.25
L	H	G _g	% 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
1.	4.026 x	1.375	220	86	62	293	220	62	0		24 hr.
2.	4.026 x	1.375	231	39	60	231	231	60	0		24 hr.
3.	4.026 x	1.375	241	19	60	241	241	60	0		24 hr.
4.	4.026 x	1.375	253	2	57	253	253	57	0		24 hr.
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.							1153
2.							841
3.							619
4.							275
5.							

NO.	P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mcl/bbl.
1.					0	
2.						
3.						
4.						
5.						

A.P.I. Gravity of Liquid Hydrocarbons		Specific Gravity Separator Gas: 1.529		Specific Gravity Flowing Fluid: X X X X X	
Critical Pressure: 1072		Critical Temperature: 496		P.S.I.A. R	
P _c : 305.25	P _c ² : 93177				

NO.	F _t ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} =$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$
1.		232.25	53940	39237	2.300	2.30
2.		243.25	59170	34007		
3.		253.25	64135	29042		
4.		265.25	70357	22820		
5.						

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2300$

Absolute Open Flow: 2300	Mcf/d @ 15.025	Angle of Slope °: 45.0	Slope, n: 1.0
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Remarks:

Approved By Commission:	Conducted By: RANDY MAHANNAH	Calculated By: RICHARD ROETH	Checked By:
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