

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: 8-28-87	
Company: Amoco Production Company		Connection:	
Pool: Bravo Dome		Formation: Tubb	
Completion Date: 5-28-81		Total Depth: 2837'	Plug Back TD: 2702'
		Elevation: 4837'	Farm or Lease Name:
Csq. Size: 5.5	Wt. 14#	d 5.012"	Set At 2837'
Perforations: From 2490' To 2596'		Well No. 1933-351G	
Tng. Size: 2.875	Wt. 6.5#	d 2.441"	Set At 2427'
Perforations: From To		Unit Sec. Twp. Rge. G 35 19 33	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple		Packer Set At 2397'	County: Harding
Producing Thru Tubing	Reservoir Temp. °F 90	Mean Annual Temp. °F 50	Baro. Press. - P _g 12.25
State: New Mexico			
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	
SI									
1.	4.026 x 2.0			158	35	60	166	60	24 hr.
2.	4.026 x 2.0			168	30	60	177	60	24 hr.
3.	4.026 x 2.0			192	19	61	206	61	24 hr.
4.	4.026 x 2.0			201	13	61	224	61	24 hr.
5.									24 hr.

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							1328
2							1266
3							1134
4							970
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.
5.					Critical Temperature 496	P.S.I.A.

P _c 335.25	P _c ² 112392					
NO.	P _r ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.80$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.80$
1		170.25	28985	83407		
2		180.25	32490	79902		
3		204.25	41718	70674		
4		213.25	45475	66917		
5						

Absolute Open Flow 1800 Mcfd @ 15.025		Angle of Slope θ 45.0	Slope, n 1.0
Remarks:			
Approved by Commission: Conducted By: Randy Mahannah Calculated By: Richard Roeth Checked By:			