

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 6-20-87	
Company Amoco Production Company		Connection	
Pool Bravo Dome		Formation Tubb	
Completion Date 12-8-80	Total Depth 2633	Plug Back TD 2587	Elevation 4786
Unit BDCDGU		Farm or Lease Name	
Csg. Size 5.50	Wt. 14	d 4.9	Set At 2633
Perforations: From 2198	To 2433	Well No. 1934-021K	
Tub. Size 2.875	Wt. 6.5	d 2.441	Set At 2138
Perforations: From	To	Unit K	Sec. 2
Type Well - Single - Frodenhead - G.G. or G.O. Multiple Single		Packer Set At 2133	Twp. 19
Producing Thru Tubing		Reservoir Temp. °F 90	Mean Annual Temp. °F 50
Baro. Press. - P _a 12.25		State New Mexico	
L	H	Gg	% 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.	
1.	4.026 x	2.375	193	20	59	195	59	0		24 hrs
2.	4.026 x	2.375	202	16	59	204	59	0		24 hrs
3.	4.026 x	2.375	209	11	61	214	61	0		24 hrs
4.	4.026 x	2.375	227	8	60	229	60	0		24 hrs
5.								0		24 hrs

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _L	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow O, Mcfd
1.							1567
2.							1433
3.							1278
4.							1103
5.							

NO.	P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	A.P.I. Gravity of Liquid Hydrocarbons	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure	Critical Temperature
1.					0		1.529	X X X X X	1072	496
2.										
3.										
4.										
5.										

P _c 315.25 P _c ² 99,382					$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 2.0622$ $(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2.0622$ $AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2635$	
NO.	P _t	P _w	P _w ²	P _c ² - P _w ²		
1.	207.25	42.952	56,430			
2.	216.25	46,764	52,618			
3.	226.25	51,189	48,293			
4.	241.25	58,201	41,181			
5.						

Absolute Open Flow	2635	Mcfd @ 15.025	Angle of Slope @	45.0	Slope, n	1.00
--------------------	------	---------------	------------------	------	----------	------

Remarks: Test was run from a low flowing tubing pressure to a high flowing tubing pressure to minimize liquid loading effects.

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