

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 6-26-87	
Company Amoco Production Company		Connection	
Pool Bravo Dome		Formation Tubb	
Completion Date 1-26-84		Total Depth 2615'	Plug Back TD 2183'
		Elevation 4505'	Farm or Lease Name
Csg. Size 7.0	Wt. 20	d 6.331	Set At 2615
Perforations: From 2046	To 2206		Well No. 1935-351G
Tag. Size 3.5	Wt. 9.5	d 3.000	Set At 2015
Perforations: From	To		Unit G
Type Well - Single - Riddenhead - G.G. or G.O. Multiple Single		Packer Set At 2015	County Union
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	Press. p.s.i.g.	
1.	4.026 x	2.00	231	35	61	229	61	0	0	24 hrs
2.	4.026 x	2.00	237	28	61	235	61	0	0	24 hrs
3.	4.026 x	2.00	246	13	61	243	61	0	0	24 hrs
4.	4.026 x	2.00	255	4	60	252	60	0	0	24 hrs
5.										

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 Q, Mcfd
1.							1595
2.							1423
3.							1036
4.							731
5.							

NO.	P _f	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons	Seq.
2.					Specific Gravity Separator Gas	1.529
3.					Specific Gravity Flowing Fluid	XXXXXX
4.					Critical Pressure	1072
5.					Critical Temperature	496

P _c 293.25	P _c ² 85,995
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NO.	F _t ⁴	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.		241.25	58,201	27,794	3.0940	3.0139
2.		247.25	61,132	24,863		
3.		255.25	65,152	20,843		
4.		264.25	69,828	16,167		
5.						

Absolute Open Flow 4807		Mcf/d @ 15.025	Angle of Slope @ 44.32	Slope, n .9768
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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:
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