

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 6/1/84		RECEIVED AUG 9 1984	
Company Amoco Production Company				Connection					
Pool Bravo Dome				Formation Tubb				OIL CONSERVATION DIVISION BDCDGU	
Completion Date 4/17/81		Total Depth 2590		Plug Back TD 2437		Elevation 4630		Farm or Lease Name	
Csq. Size 5-1/2	Wt. 14#	d	Set At 2590	Perforations: From 2234 To 2260		Well No. 2035 171K			
Tq. Size 2-3/8	Wt. 4.7#	d	Set At 2254	Perforations: From To		Unit K	Sec. 17	Twp. 20N	Rge. 35E
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single						Packer Set At 2217		County Union	
Producing Thru Tubing		Reservoir Temp. °F 90 @ 2247		Mean Annual Temp. °F 50		Baro. Press. - P _a 12.25		State New Mexico	
L 2247	H 2247	Gg 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							332.6				1000 HR
1.	4.026 x	1.0		246	1	88	248				1.5
2.	4.026 x	1.0		210	19	73	212				1.5
3.	4.026 x	1.0		189	31	24	191				1.5
4.	4.026 x	1.0		168	41	72	171				1.5
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1							34
2							255
3							314
4							338
5							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcl/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

F _r 344.9 P _r ²					(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.393$		(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.393$	
NO.	F _r	P _w	P _w ²	P _c ² - P _w ²				
1		260.3		51.2				
2		224.3		68.6				
3		203.3		77.6				
4		183.3		85.3				
5								

ACF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 471$

Absolute Open Flow 471 Mcfd @ 15.025		Angle of Slope θ _____		Slope, n 1.0	
Remarks: _____					

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