

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

RECEIVED

Type Test: ☒ Initial ☐ Annual ☐ Special				Test Date: 5/26/84		AUG 9 1984			
Company: Amoco Production Company				Connection:				OIL CONSERVATION DIVISION	
Pool: Bravo Dome				Formation: Tubb				Unit: BDCDGU	
Completion Date: 4/15/81		Total Depth: 2650		Plug Back TD: 2541		Elevation:		Farm or Lease Name:	
Csg. Size: 5-1/2	Wt.: 14#	d:	Set At: 2650	Perforations: From 2176 To 2266		Well No.: 2035 201G			
Tbg. Size: 2-7/8	Wt.: 6.5#	d: 2.438	Set At: 2170	Perforations: From To		Unit: G	Sec: 20	Twp: 20N	Rge: 35E
Type Well - Single - Bradenhead - G.G. or G.O. Multiple				Packer Set At: 2132'		County: Union			
Producing Thru: Tubing		Reservoir Temp. °F: 90 @ 2221		Mean Annual Temp. °F: 50		Baro. Press. - P _a : 12.25		State: New Mexico	
L: 2221	H: 2221	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							333.2				1000 HR
1.	4.026 x 2.25			296	1	77	296				1.5
2.	4.026 x 2.25			248	19	64	248				1.5
3.	4.026 x 2.25			215	38	63	215				1.5
4.	4.026 x 2.25			174	63	61	174				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							177
2							1539
3							2012
4							2343
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. _____ P.S.I.A.
5					Critical Temperature 496 R _____ R

NO.	P _r	P _w	P _w ²	P _r ² - P _w ²	(1) $\frac{P_r^2}{P_r^2 - P_w^2} = 1.410$	(2) $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 1.325$
1		308.3		24.3	ACF = Q $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 3105$	
2		260.3		51.6		
3		227.3		67.7		
4		186.3		84.6		
5						

Absolute Oper. Flow 3105 Mcfd @ 15.025	Angle of Slope θ _____	Slope, n .820
Remarks: _____		

Approved by Commission:	Conducted By: _____	Calculated By: Don White	Checked By: _____
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