

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: 5/29/84		AUG 9 1984	
Company: Amoco Production Company				Connection:				OIL CONSERVATION DIVISION
Pool: Bravo Dome				Formation: Tubb				
Completion Date: 4/12/82		Total Depth: 2635'		Plug Back TD: 2543'		Elevation: 4630		Form or Lease Name:
Csg. Size: 5-1/2"	Wt.: 14#	d:	Set At: 2635'	Perforations: From 2165' To 2267'			Well No.: 2035 211F	
Tqg. Size: 2-7/8"	Wt.: 6.5#	d: 2.438	Set At: 2126'	Perforations: From To			Unit: F Sec: 21 Twp: 20N Hgt: 35E	
Type Well - Single - Bradenhead - G.C. or G.O. Multiple: Single					Packer Set At: 2087'		County: Union	
Producing Thru: Tubing		Reservoir Temp. °F: 90 @ 2216		Mean Annual Temp. °F: 50		Baro. Press. - P _a : 12.25		State: New Mexico
L: 2216	H: 2216	G _g : 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	of Flow
SI							333.4	50			1000 HR
1.	4.026 x 2.25			279	6	65	275	50			1.5
2.	4.026 x 2.25			243	26	64	240	50			1.5
3.	4.026 x 2.25			197	60	63	191	50			1.5
4.	4.026 x 2.25			180	69	61	180	50			1.5
5.											

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							901
2							1798
3							2411
4							2497
5							

NO.	P _t	Temp. °R	T _f	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 _c	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.448$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.371$
1	345.7	287.3		37.0		
2		252.3		55.8		
3		203.3		78.2		
4		192.3		82.5		
5						

Absolute Open Flow: 3423 Mcfd @ 15.025				Angle of Slope θ: _____	Slope, n: .852
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Remarks: _____			
Approved: 	Conducted By: _____	Calculated By: Don White	Checked By: _____