

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: 5/25/84		AUG 9 1984	
Company: Amoco Production Company				Connection: OIL CONSERVATION DIVISION			
Pool: Bravo Dome				Formation: Tubb		Unit: BDCDGU	
Completion Date: 1/12/81		Total Depth: 2451		Plug Back TD: 2364		Elevation: 4650	
Csg. Size: 5-1/2		Wt.: 14#		Set At: 2451		Well No.: 1935 071G	
Perforations: From 2081 To 2290							
Tubg. Size: 2-7/8		Wt.: 6.5#		Set At: 2078		Unit: G 7 19N 35E	
Perforations: From To							
Type Well - Single - Bradenhead - G.G. or G.O. Multiple: Single				Packer Set At: 2040		County: Union	
Producing Thru: Tubing		Reservoir Temp. °F: 90 @ 2186		Mean Annual Temp. °F: 50		Baro. Press. - P _a : 12.25	
State: New Mexico							
L: 2186		H: 2186		Gg: 1.529		% CO ₂ : 100	
						% N ₂ : 0	
						% H ₂ S: 0	
Prover: 4.0		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							331.7	50			1000 HR
1.	4.026 x 2.5			270	8	69	278	50			1.5
2.	4.026 x 2.5			258	12	58	264	50			1.5
3.	4.026 x 2.5			222	27	56	228	50			1.5
4.	4.026 x 2.5			199	38	55	206	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 Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1							1287
2							1627
3							2245
4							2520
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 XXXXXXXXXX
3					Specific Gravity Flowing Fluid XXXXX
4					Critical Pressure 1072 P.S.I.A. _____ P.S.I.A.
5					Critical Temperature 496 R _____ R

P _c 344.0	P _c ²				(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.670$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.609$
NO.	P _w	P _w ²	P _c ² - P _w ²			
1	290.3		34.1			
2	276.3		41.9			
3	240.3		60.6			
4	218.3		70.7			
5						

AOFP = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 4054$

Absolute Open Flow 4054 Mcfd @ 15.025

Angle of Slope θ _____ Slope, n .927

Remarks: _____

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