

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: 5/14/81		Total Depth: 2573'		Plug Back TD: 2497'		Elevation: 4497'		Farm or Lease Name:	
Csq. Size: 5-1/2	Wt.: 14#	d:	Set At: 2573'	Perforations: From 2142 To 2179		Well No.: 1935 131F			
Tqg. Size: 2-7/8	Wt.: 6.5#	d: 2.438	Set At: 2124'	Perforations: From To		Unit: F Sec: 13 Twp: 19N Rge: 35E			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple: Single				Packer Set At: 2085'		County: Union			
Producing Thru: Tubing		Reservoir Temp. °F: 90 @ 2161		Mean Annual Temp. °F: 50		Baro. Press. - P _a : 12.25		State: New Mexico	
L: 2161	H: 2161	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							336.6	50			1000 HR
1.	4.026 x 1.5			220	56	48	216	50			1.5
2.	4.026 x 1.5			207	81	48	203	50			1.5
3.	4.026 x 1.5			182	125	48	180	50			1.5
4.	4.026 x 1.5			176	134	45	174	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							1070
2							1247
3							1458
4							1491
5							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio <u>0</u> Mcf/bbl.
1					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2					Specific Gravity Separator Gas <u>1.529</u> X X X X X X X X
3					Specific Gravity Flowing Fluid X X X X X
4					Critical Pressure <u>1072</u> P.S.I.A. _____ P.S.I.A.
5					Critical Temperature <u>496</u> R _____ R

P _r <u>348.9</u>	P _w <u>228.3</u>	P _c <u>2094</u>
NO.	P _w	P _c
1	228.3	2094
2	215.3	2094
3	192.3	2094
4	186.3	2094
5		

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.436$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2094$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.436$

Absolute Open Flow <u>2094</u> Mcfd @ 15.025	Angle of Slope θ _____	Slope, n <u>1.00</u>
Remarks: _____		
Approved By:	Conducted By: _____	Calculated By: Don White
		Checked By: _____