

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 5/30/84		AUG 9 1984	
Company Amoco Production Company				Connection		OIL CONSERVATION DIVISION	
Pool Bravo Dome				Formation Tubb		Unit BDCDGU	
Completion Date 5/24/82		Total Depth 2545		Plug Back TD 2475		Elevation 4585	
Csg. Size 5-1/2	Wt. 14#	d 2545	Set At 2545	Perforations: From 2077 To 2241		Well No. 1935 211K	
Teg. Size 2-7/8	Wt. 6.5#	d 2.438	Set At 2039	Perforations: From To		Unit K	Sec. Twp. Rge. 21 19N 35E
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At 2000		County Union	
Producing Thru Tubing		Reservoir Temp. °F 90 @ 2150		Mean Annual Temp. °F 50		Baro. Press. - P _a 12.25	
State New Mexico							
L 2159	H 2159	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
SI							332.2	50			1000 HR
1.	4.026 x 2.5			267	16	58	264	50			1.5
2.	4.026 x 2.5			241	28	58	238	50			1.5
3.	4.026 x 2.5			206	45	58	204	50			1.5
4.	4.026 x 2.5			190	55	57	189	50			1.5
5.											

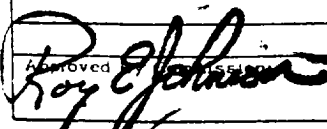
RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1							1864
2							2341
3							2748
4							2929
5							

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

P _r 344.5	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.527$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.357$
NO.	P _w	P _w ²	P _c ² - P _w ²		
1	276.3		42.3		
2	250.3		56.0		
3	216.3		71.9		
4	202.3		77.7		
5					

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3976$

Absolute Open Flow 3976 Mcfd @ 15.025	Angle of Slope @ _____	Slope, n .722
Remarks:		

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