

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 BDCDGU
Pool: Bravo Dome				Formation: Tubb				
Completion Date: 6/28/81		Total Depth: 2460		Plug Back TD: 2426		Elevation: 4585		Farm or Lease Name:
Csg. Size: 5-1/2	Wt. 14#	d	Set At	Perforations: From 2046 To 2212			Well No. 1935 201G	
Tbg. Size: 2-7/8	Wt. 6.5#	d 2.438	Set At 2037	Perforations: From To			Unit Sec. Twp. Rge. G 20 19N 35E	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single					Packer Set At 1998		County Union	
Producing Thru Tubing		Reservoir Temp. °F 90 @ 2129		Mean Annual Temp. °F 50		Baro. Press. - P _g 12.25		State New Mexico
L 2129	H 2129	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							333.3	50			1000 HR
1.	4.026 x	2.5		276	12	59	281	50			1.5
2.	4.026 x	2.5		248	25	60	252	50			1.5
3.	4.026 x	2.5		216	42	56	221	50			1.5
4.	4.026 x	2.5		179	67	57	183	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							1687
2							2285
3							2710
4							3144
5							

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

NO.	P _f	P _w	P _w ²	P _c ² - P _w ²	$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.837$ $(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.543$ $AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 4181$
1		293.3		33.4	
2		264.3		49.6	
3		233.3		65.0	
4		195.3		81.2	
5					

Absolute Open Flow 4181 Mcfd @ 15.025		Angle of Slope θ	Slope, n .713
Remarks:			

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