

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
 Revised 4-1-65

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 4-14-85	
Company Amoco Production Company		Connection	
Pool Carbon Dioxide Gas Bravo Dome Unit 640 Acre Area		Formation Tubb	
Completion Date 11/21/83		Total Depth 2567	Plug Back TD 2451
Csg. Size 7		Wt. 20	Elevation GL 4880
Tbg. Size 3.5		Wt. 9.3	Well No. 2033 121G
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single		Packer Set At 2211	Unit BDCDGU
Producing Thru Tubing		Reservoir Temp. °F 90 @ 2349	Mean Annual Temp. °F 50
Baro. Press. - P _a 12.2		County Harding	
L 2349		H 2349	G _g 1.529
% CO ₂ 100		% N ₂ 0	% H ₂ S 0
Prover 4.0		Meter Run 4.0	Flaps 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
1.	4.026 x 1.625			262	3	59	276	50			24 hr
2.	4.026 x 1.625			234	9	60	249	50			24 hr
3.	4.026 x 1.625			214	18	61	229	50			24 hr
4.	4.026 x 1.625			195	29	60	210	50			24 hr
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.							364
2.							608
3.							794
4.							963
5.							

NO.	P _t	Temp. °R	T _r	Z
1.				
2.				
3.				
4.				
5.				

Gas Liquid Hydrocarbon Ratio _____ 0 _____ Mcf/bbl.	
A.P.I. Gravity of Liquid Hydrocarbons _____ 0 _____ Deg.	
Specific Gravity Separator Gas _____ 1.529 _____	XXXXXX
Specific Gravity Flowing Fluid _____ XXXXX _____	
Critical Pressure _____ 1072 _____ P.S.I.A.	
Critical Temperature _____ 547 _____ R	

P _c 311.2	P _c ² 96.845
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NO.	P _c ²	P _w	P _w ²	P _c ² - P _w ²
1.		288.2		13.786
2.		261.2		28.620
3.		241.2		38.668
4.		222.2		47.473
5.				

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 2.505$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2.065$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1640$$

Absolute Open Flow _____ 1640 _____ Mcfd @ 15.025	Angle of Slope _____	Slope, n _____ .790
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Remarks: _____

Approved by Commission:	Conducted by:	Calculated by: D. R. White	Checked by:
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