

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

Form C-122
 Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 9-17-85			
Company Amoco Production Company				Connection				
Pool: Bravo Dome Carbon Dioxide Gas Unit 640 Acre Area				Formation Tubb				Unit BDCDGU
Completion Date 12-12-83		Total Depth 2810		Plug Back TD 2761 ~		Elevation 4820		Farm or Lease Name
Csg. Size 7	Wt. 20	d	Set At 2810	Perforations: From 2468 To 2579			Well No. 1933 341 G	
Thq. Size 3.5	Wt. 9.3	d	Set At 2381	Perforations: From To			Unit Sec. Twp. Rge. G 34 19 33	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single					Packer Set At 2381		County Harding	
Producing Thru Tubing		Reservoir Temp. °F 90 # 2524		Mean Annual Temp. °F 50		Baro. Press. - P _a 12.2		State New Mexico
L 2524	H 2524	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 _{vy}	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.		Temp. °F
SI							320				
1.	4.026 x 1.375			181	49	62	181	50			24 hr.
2.	"			198	38	62	198	"			"
3.	"			245	21	59	245	"			"
4.	"			260	12	60	260	"			"
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							768
2							701
3							529
4							458
5							

NO.	R _f	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio _____ 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 547 R _____ R

P _c 332.2	P _c ² 110.357	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.51$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.36$
NO.	P _w ²	P _w	P _c ² - P _w ²
1	193.2		73.030
2	210.2		66.172
3	257.2		44.205
4	272.2		36.264
5			

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1044$

Absolute Open. Flow 1044 Mcfd @ 15.025	Angle of Slope @ _____	Slope, n .74
Remarks:		

Approved By Commission:	Conducted By:	Calculated By: D. D. Kimble	Checked By:
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