

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: 6/5/85			
Company: Amoco Production Company						Connection:			
Pool: Bravo Dome Carbon Dioxide Gas Unit 640 Acre Area						Formation: Tubb		Unit: BDCDGU	
Completion Date: 11/30/83		Total Depth: 2740'		Plug Back TD: 2616'		Elevation: 4551' GL		Farm or Lease Name: 1	
Csg. Size: 11/30/83	Wt.: 20#	d:	Set At: 2740'	Perforations: From 2153' To 2254'		Well No.: 1835 141G			
Tbg. Size: 3-1/2"	Wt.: 9.3#	d:	Set At: 2111'	Perforations: From To		Unit Sec. Twp. Rge. G 14 18 35			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple: Single						Packer Set At: 2080'		County: Union	
Producing Thru Tubing		Reservoir Temp. °F @ 2203		Mean Annual Temp. °F 50		Baro. Press. - P _a 12.2		State: New Mexico	
L 2203'	H 2203'	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.	
SI							305			
1.	4.026 x 1.5			220	37	63	232.2			
2.	4.026 x 1.5			239	24	60	251.2			24 hrs
3.	4.026 x 1.5			254	14	60	266.2			24 hrs
4.	4.026 x 1.5			275	7	61	287.2			24 hrs
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							835
2							712
3							567
4							400
5							

NO.	P _f	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio 0 Mcf/bbl.
1					A.P.I. Gravity of Liquid Hydrocarbons 0 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.
5					Critical Temperature 547 R

P _c 317.2	P _c ² 100.61	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.155$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.819$
NO.	P _f ²	P _w	P _w ²
1		232.2	46.700
2		251.2	37.514
3		266.2	29.753
4		287.2	18.132
5			

Absolute Open Flow 1519 Mcfd @ 15.025		Angle of Slope @	Slope, n .78
Remarks:			
Approved By Commission:	Conducted By:	Calculated By: D. D. Kimble	Checked By: