

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: 4-23-85			
Company: Amoco Production Company				Connection:				
Pool: Bravo Dome Carbon Dioxide Unit - 640 acre area				Formation: Tubb				Unit: BDCDGU
Completion Date: 3-29-81		Total Depth: 2610		Plug Back TD: 2557		Elevation: 4870		Farm or Lease Name:
Csg. Size: 5.5	Wt.: 14	d:	Set At: 2610	Perforations: From 2240 To 2497		Well No.: 1934 091K		
Tbg. Size: 2-7/8	Wt.: 6.5	d:	Set At: 2092	Perforations: From To		Unit Sec. Twp. Rge. K 09 19 34		
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single					Packer Set At: 2061		County: Union	
Producing Thru Tubing		Reservoir Temp. °F: 90 @ 2369		Mean Annual Temp. °F: 50		Baro. Press. - P _a : 12.2		State: New Mexico
L: 2369	H: 2369	Gg: 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. hw	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.		Temp. °F
SI							346				
1.	4.026 x 2.00			197	40	55	209.2	50			24 hr
2.	4.026 x 2.00			242	24	61	254.2	50			24 hr
3.	4.026 x 2.00			264	20	60	276.2	50			24 hr
4.	4.026 x 2.00			301	10	62	313.2	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 Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1							1501
2							1252
3							1164
4							899
5							

NO.	P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.	
1.					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.	
2.					Specific Gravity Separator Gas: 1.529	XXXXXX
3.					Specific Gravity Flowing Fluid: XXXXX	
4.					Critical Pressure: 1072	P.S.I.A.
5.					Critical Temperature: 547	R

P _c 358.2		P _c ² 128.307	
NO.	P _t ²	P _w	P _w ²
1		209.2	84.543
2		254.2	63.690
3		276.2	52.021
4		313.2	30.213
5			

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.517$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.23$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1849$$

Absolute Open Flow: 1849	Mcf/d @ 15.025	Angle of Slope θ: _____	Slope, n: .50
Remarks: _____			
Approved By Commission:	Conducted By:	Calculated By: D. D. Kimble	Checked By: