

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			
Company Amoco Production Company				Connection					
Pool Bravo Dome Carbon Dioxide Gas Unit - 640-Acre Area				Formation Tubb				Unit BDCDGU	
Completion Date 2-2-84		Total Depth 2825'		Plug Back TD 2750'		Elevation 4865' G.L.		Farm or Lease Name	
Csg. Size 7"	Wt. 20#	d	Set At 2825'	Perforations: From 2506' To 2602'		Well No. 1933 261G			
Tbg. Size 3 1/2"	Wt. 9.3#	d	Set At 2485'	Perforations: From To		Unit Sec. Twp. Rge. G 26 19 33			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single						Packer Set At 2446'		County Harding	
Producing Thru Tubing		Reservoir Temp. °F 93° e 2554'		Mean Annual Temp. °F 50		Baro. Press. - P _a 12.2		State New Mexico	
L 2554'	H 2554'	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	
1.	4.026	x	1.000	275	9	57	306	50			24hr
2.	"		"	253	12	58	286	"			
3.	"		"	221	22	58	250	"			
4.	"		"	201	31	58	229	"			
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_{wm}}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1.							209
2.							232
3.							291
4.							329
5.							

NO.	P _i	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1.					0	
2.					0	
3.					1.529	X X X X X X X X
4.					1072	X X X X X
5.					547	P.S.I.A. P.S.I.A. R R

P _i 386.2	P _e 149.150		
NO.	P _i ²	P _w	P _w ²
1.		318.2	47.899
2.		298.2	60.227
3.		262.2	80.402
4.		241.2	90.973
5.			

(1) $\frac{P_e^2}{P_i^2 - P_w^2} = 1.640$

AGF = G $\left[\frac{P_e^2}{P_i^2 - P_w^2} \right]^n = 539$

(2) $\left[\frac{P_e^2}{P_i^2 - P_w^2} \right]^n = 1.640$

Absolute Cpm Flow	539	Ucfd @ 15.025	Angle of Slope θ	Slope, n 1.0
Remarks:				
Approved By Commission:	Conducted By:	Calculated By: D. D. Kimble	Checked By:	

1933 2616

46 7200

$K \cdot \Sigma$ LOGARITHMIC 2 x 2 CYCLES
KEUFFEL & ESSER CO. MADE IN U.S.A.

AOFF = 539

100 1.5 2 2.5 3 4 5 6 7 8 9 1000 1.5 2 2.5 3 4 5 6 7 8 9 10

Q = MCF

