

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: 7-29-85	
Company: Amoco Production Company				Connection:		
Pool: Bravo Dome Carbon Dioxide				Formation: Tubb		Unit: BDCDGU
Gas Unit: 640 Acre Area				Farm or Lease Name:		
Completion Date: 12-2-84		Total Depth: 2914		Plug Back TD: 2783		Elevation: 4778
Csg. Size: 7	Wt.: 15#-20#	d:	Set At: 2914	Perforations: From 2495 To 2598		Well No.: 1834 171G
Tbg. Size: 3.5	Wt.: 9.3	d:	Set At: 2394	Perforations: From To		Unit: G Sec. 17 Twp. 18 Rge. 34
Type Well - Single - Bradenhead - G.G. or G.O. Multiple: Single				Packer Set At: 2363		County: Union
Producing Thru: Tubing		Reservoir Temp. °F: 90 @ 2547		Mean Annual Temp. °F: 50		State: New Mexico
L: 2547	H: 2547	Gg: 1.529	% CO ₂ : 100	% N ₂ : 0	% H ₂ S: 0	Prover: 4.0 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.	
SI							310			
1.	4.026 x 2.250			208	20	60	208	50		
2.	4.026 x 2.250			214	22	61	214	50		24 hr
3.	4.026 x 2.250			227	15	60	227	50		24 hr
4.	4.026 x 2.250			272	6	60	272	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.							1462
2.							1408
3.							1315
4.							888
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	A.P.I. Gravity of Liquid Hydrocarbons	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure	Critical Temperature
1.					0	0	1.529	XXXXXX	1072	547
2.										
3.										
4.										
5.										

P _c 322.2	P _c ² 103.813	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.88$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.43$
NO.	P _t ²	P _w	P _w ²
1		220.2	55.325
2		226.2	52.646
3		239.2	46.596
4		284.2	23.043
5			

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2093$

Absolute Open Flow **2093** Mcfd @ 15.025

Angle of Slope θ **.57**

Remarks:

Approved By Commission:	Conducted By:	Calculated By: D. D. Kimble	Checked By:
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1834 171 G

46 7400

LOGARITHMIC 3 X 3 CYCLES
KEUFEL & ESSER CO. MADE IN U.S.A.

ADF = 2093

Q = MCF

