

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				Unit BDCDGU	
Completion Date 12-15-85		Total Depth 2492		Plug Back TD 2445-		Elevation 4733		Farm or Lease Name	
Csq. Size 7	Wt. 20	d	Set At 2492	Perforations: From 2280 To 2388		Well No. 2035 191K			
Thq. Size 3-1/2	Wt. 9.3	d	Set At 2087	Perforations: From To		Unit Sec. Twp. Rge. K 19 20 35			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single						Packer Set At 2087		County Union	
Producing Thru Tubing		Reservoir Temp. °F 90 @ 2334		Mean Annual Temp. °F 50		Baro. Press. - P _a 12.25		State New Mexico	
L 2334	H 2334	G _q 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							292			
1.	4.026 x 3.000			181.4	16	51	193.65	51		
2.	4.026 x 3.000			152.7	22	51	164.95	51		
3.	4.026 x 3.000			124.9	32	52	137.15	52		
4.	4.026 x 3.000			98.1	46	53	110.35	53		
5.										

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1							2549
2							2818
3							3138
4							3460
5							

NO.	P _t	Temp. °R	T _t	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2					Specific Gravity Separator Gas 1.529 XXXXXXXXXX
3					Specific Gravity Flowing Fluid XXXXX
4					Critical Pressure 1072 P.S.I.A. _____ P.S.I.A.
5					Critical Temperature 496 R _____ R

P _c 304.2	P _c ² 92.538	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.15$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.11$
NO.	P _c ²	P _w	P _w ²
1		194	54.902
2		164	65.642
3		137	73.769
4		110	80.438
5			

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3843$

Absolute Open Flow 3843 Mcfd @ 15.025	Angle of Slope θ _____	Slope, n .75
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Remarks: _____

Approved By Commission:	Conducted By:	Calculated By: Don Kimble	Checked By:
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