

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test: <input checked="" type="checkbox"/> Initial <input type="checkbox"/> Annual <input type="checkbox"/> Special		Test Date 5-30-85
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Company Amoco Production Company	Connection
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Pool Bravo Dome Carbon Dioxide Gas Unit 640-acre area	Formation Tubb	Unit BDCDGU
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Completion Date 11-24-83	Total Depth 2748'	Plug Back TD 2605'	Elevation 4732'	Farm or Lease Name
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Csg. Size 7"	Wt. 20#	d	Set At 2748'	Perforations: From 2157' To 2332'	Well No. 1834 021B
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Tbg. Size 3-1/2"	Wt. 9.3#	d	Set At 2245'	Perforations: From To	Unit Sec. Twp. Rge. B 2 18 34
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Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single	Packer Set At 2088'	County Union
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Producing Thru Tubing	Reservoir Temp. *F 88 ^o 2245	Mean Annual Temp. *F 50	Baro. Press. - P _a 12.2	State New Mexico
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L 2245'	H 2245'	G _g 1.529	% CO ₂ 100	% N ₂ 0	% H ₂ S 0	Prover	Meter Run 4.0"	Taps Flange
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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
SI							300				
1.	4.026 x 2.75			208	37	63	220.2	50			24 hrs
2.	4.026 x 2.75			229	25	64	241.2	50			24 hrs
3.	4.026 x 2.75			252	15	65	264.2	50			24 hrs
4.	4.026 x 2.75			277	7	65	289.2	50			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 F _g	Super. Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1							3049
2							2661
3							2153
4							1556
5							

NO.	P _r	Temp. *R	T _r	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 X X
3					Specific Gravity Flowing Fluid _____ X X X X X _____
4					Critical Pressure _____ 1072 _____ P.S.I.A. _____ P.S.I.A.
5					Critical Temperature _____ 547 _____ R _____ R

P _c 312.2	P _c ² 97.469	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.99$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.44$	
NO.	P _r ²	P _w	P _w ²	P _c ² - P _w ²
1		220.2		48.980
2		241.2		39.291
3		264.2		27.667
4		289.2		13.832
5				

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 4390$

Absolute Open Flow _____ 4390 _____ Mcfd @ 15.025	Angle of Slope θ _____	Slope, n _____ .53
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Remarks: _____

Approved By Commission:	Conducted By:	Calculated By: D. D. Kimble	Checked By:
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