

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

Form C-122
Revised 9-1-65

RECEIVED

Type Test: ☒ Initial ☐ Annual ☐ Special				Test Date: 5/24/84		AUG 9 1984	
Company: Amoco Production Company				Connection:		OIL CONSERVATION DIVISION	
Pool: Bravo Dome				Formation: Tubb		Unit: BDCDGU	
Completion Date: 10/12/82		Total Depth: 2555		Plug Back TD: 2447		Elevation: 4520	
Csg. Size: 5-1/2	Wt.: 14#	d:	Set At: 2555	Perforations: From 2060 To 2199		Well No.: 1935 221G	
Tbg. Size: 2-7/8	Wt.: 6.5#	d:	Set At: 2171	Perforations: From To		Unit: G Sec. 22 Twp. 19N Rye. 35E	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple				Packer Set At: 2022		County: Union	
Producing Thru: Tubing		Reservoir Temp. °F: 90 @ 2130		Mean Annual Temp. °F: 50		Baro. Press. - P _a : 12.25	
State: New Mexico							
L: 2130	H: 2130	Gg: 1.529	% CO ₂ : 100	% N ₂ : 0	% H ₂ S: 0	Prover: 4.0	Meter Run: 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
SI							333.0	50			1000 HR
1.	4.026	x	2.5	278	9	62	278	50			1.5
2.	4.026	x	2.5	249	18	61	248	50			1.5
3.	4.026	x	2.5	222	39	61	222	50			1.5
4.	4.026	x	2.5	193	41	60	193	50			1.5
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							1403
2							1891
3							2289
4							2528
5							

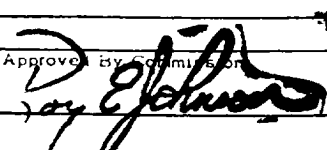
NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio 0 Mcf/bbl.
1					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2					Specific Gravity Separator Gas 1.529 X X X X X X X X
3					Specific Gravity Flowing Fluid X X X X X
4					Critical Pressure 1072 P.S.I.A. _____ P.S.I.A.
5					Critical Temperature 496 R _____ R

NO.	P _c	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.334$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.839$
1	345.3	290.3		35.0		
2		260.3		51.5		
3		234.3		64.3		
4		205.3		77.1		
5						

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3478$

Absolute Open Flow 3478 Mcfd @ 15.025	Angle of Slope θ _____	Slope, n .719
---------------------------------------	------------------------	---------------

Remarks: _____

Approved By: 	Conducted By: _____	Calculated By: Don White	Checked By: _____
---	---------------------	--------------------------	-------------------