

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: 3/15/1993	
Company: Amoco Production Company				Connection:	
Pool: Bravo Dome				Formation: Tubb	
Completion Date: 10/18/85		Total Depth: 3173'		Plug Back TD: 3080'	
Elevation: 4661		Farm or Lease Name:			
Csg. Size: 7	Wt.: 20	d: 6.456	Set At: 3176	Perforations: From 2142 To 2288	
Well No.: 2135-291G					
Thq. Size: 3.5	Wt.: 7.7	d: 3.068	Set At: 1991	Perforations: From To	
Unit: G Sec: 29 Twp: 21N Rge: 35E					
Type well - Single - Broadhead - G.G. or G.O. Multiple: Single				Packer Set At: 1991	
Producing Thru Tubing:				County: Union	
Reservoir Temp. °F: 90		Mean Annual Temp. °F: 50		State: New Mexico	
L:	H:	Gg:	% CO ₂ : 100	% N ₂ : 0	% H ₂ S: 0
Prover:		Meter Run: 4.0		Taps: Flanges	

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	4			315							
1.	4.026	x 1.0		249	122	64	253	64	0		60
2.	4.020	x 2.0		232	27	56	233	56	0		60
3.	4.020	x 2.0		219	38	58	221	58	0		60
4.	4.020	x 2.0		204	56	60	206	60	0		60
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, Mcd
1.							726
2.							1408
3.							1598
4.							1864
5.							

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

P _r 327.25 P _c 107.093		$(1) \frac{P_c^2}{P_c^2 - P_w^2} = \frac{327.25^2}{327.25^2 - 261.25^2}$		$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \left[\frac{327.25^2}{327.25^2 - 261.25^2} \right]^{3.530}$	
NO.	P _w	P _w ²	P _c ² - P _w ²		
1.	261.25	68,252	38,841		
2.	244.25	59,658	47,435		
3.	231.25	53,477	53,616		
4.	216.25	46,754	60,329		
5.					

Absolute Open Flow 3,530 Mcd @ 15.025		Angle of Slope @ 54.7		Slope, n 0.71	
Remarks:					
Approved by Commission:		Conducted By:		Calculated By:	
				Checked By:	