

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: 8-28-87	
Company: Amoco Production Company		Connection:	
Pool: Bravo Dome		Formation: Tubb	
Completion Date: 11-28-83		Total Depth: 2858'	Plug Back TD: 2586
		Elevation: 4848	
Csq. Size: 7"	Wt.: 20#	d: 6.456	Set At: 2483'
Perforations: From 2497' To 2600'		Well No.: 1933-361G	
Trq. Size: 3.5"	Wt.: 9.5#	d: 3.00"	Set At: 2452
Perforations: From To		Unit: G Sec. 36 Twp. 19 Rge. 33	
Type Well - Single - Blindhead - G.G. or G.O. Multiple: Single		Packer Set At: 2452'	County: Harding
Producing Thru: Tubing	Reservoir Temp. °F: 90	Mean Annual Temp. °F: 50	Baro. Press. - P _g : 12.25
State: New Mexico			
L	H	Gg	% 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.		Temp. °F
SI							279		0		24 hr.
1.	4.026 x	1.750	160	31	61	160	61	0			24 hr.
2.	4.026 x	1.750	175	23	61	175	61	0			24 hr.
3.	4.026 x	1.750	198	12	60	198	60	0			24 hr.
4.	4.026 x	1.750	234	3	58	234	58	0			24 hr.
5.								0			24 hr.

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							953
2							824
3							670
4							378
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 XXXXXXXXXX
3.					Specific Gravity Flowing Fluid: XXXXXX
4.					Critical Pressure: 1072 P.S.I.A.
5.					Critical Temperature: 496 R

NO.	P _r ²	P _w	P _w ²	P _r ² - P _w ²	$(1) \frac{P_r^2}{P_r^2 - P_w^2} = 1.450$ $(2) \left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 1.450$ $AOF = Q \left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 1450$
1	172.25	29670	55156		
2	187.25	35602	49764		
3	210.25	44205	40621		
4	246.25	60639	24187		
5					

Absolute Open Flow: 1450 Mcfd @ 15.025	Angle of Slope θ: 45.0	Slope, n: 1.0
Remarks:		
Approved by Commission: _____ Conducted By: RANDY MAHANNAH Calculated By: RICHARD ROETH Checked By: _____		