

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: 9-16-87			
Company: Amoco Production Company				Connection:					
Pool: Bravo Dome				Formation: Tubb				Unit: BDCDGU	
Completion Date: 4-5-81		Total Depth: 2780		Plug Back TD: 2621		Elevation: 5091		Farm or Lease Name:	
Csg. Size: 5.5	Wt. 14#	d 5.012	Set At 2780	Perforations: From 2516 To 2597		Well No. 2033-081F			
Tub. Size: 2.875	Wt. 6.5#	d 2.441	Set At 2438	Perforations: From To		Unit Sec. Twp. Rys. F 8 20 33			
Type Well - Single - Broadhead - G.G. or G.O. Multiple						Packer Set At 2438		County: Harding	
Producing Thru Tubing		Reservoir Temp. °F 90		Mean Annual Temp. °F 50		Baro. Press. - P _a 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							281		0		24 hr.
1.	4.026 x	1.50		221	44	61	221	61	0		24 hr.
2.	4.026 x	1.50		223	33	60	219	60	0		24 hr.
3.	4.026 x	1.50		236	12	60	231	60	0		24 hr.
4.	4.026 x	1.50		250	1	57	245	57	0		24 hr.
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.							909
2.							888
3.							627
4.							244
5.							

NO.	P _t	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

P _c 293.25 P _c ² 85995				
NO.	P _t ²	P _w	P _c ²	P _c ² - P _w ²
1.		233.25	54405	31590
2.		235.25	55342	30653
3.		248.25	61628	24367
4.		262.25	68775	17220
5.				

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 2.25 \quad (2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.5$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1500$$

Absolute Open Flow 1500 Mcfd @ 15.025	Angle of Slope @ 63.4	Slope, n 0.50
---------------------------------------	-----------------------	---------------

Remarks:

Approved By Commission:	Conducted By: RANDY MAHANNAH	Calculated By: RICHARD ROETH	Checked By:
-------------------------	------------------------------	------------------------------	-------------