

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: 11-21-83		Unit: BDCDGU	
Total Depth: 2825'		Plug Back TD: 2688'	
Elevation: 4865'		Farm or Lease Name:	
Csg. Size: 7"	Wt.: 20#	Set At: 2825'	Perforations: From 2506' To 2602'
Well No.: 1933-261G			
Teg. Size: 3.5"	Wt.: 9.5#	Set At: 2485'	Perforations: From To
Unit: G	Sec: 26	Twp: 19	Rge: 33
Type Well - Single - Bradenhead - G.G. or G.O. Multiple: Single		Packer Set At: 2454'	
Producing Thru: Tubing		County: Harding	
Reservoir Temp. °F: 90		State: New Mexico	
Mean Annual Temp. °F: 50		Baro. Press. - P _a : 12.25	
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.	
SI							254		0	
1.	4.026 x 1.875			181	15	62	183	62	0	
2.	4.026 x 1.875			192	10	61	193	61	0	
3.	4.026 x 1.875			213	4	59	215	59	0	
4.	4.026 x 1.875			215	2	60	216	60	0	
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							848
2							699
3							483
4							405
5							

NO.	P _c	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1					0	
2						
3						
4						
5						

A.P.L. Gravity of Liquid Hydrocarbons		Deg.	
Specific Gravity Separator Gas: 1.529		X X X X X X X X	
Specific Gravity Flowing Fluid: X X X X X			
Critical Pressure: 1072		P.S.I.A.	
Critical Temperature: 496		R	

P _c 266.25 P _c ² 70889				
NO.	P _i ²	P _w	P _w ²	P _c ² - P _w ²
1		195.25	38122	32767
2		205.25	42127	28762
3		227.25	51643	19246
4		228.25	52098	18791
5				

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.7750$$

$$AQF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1775$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.7750$$

Absolute Open Flow: 1775	Mcf/d @ 15.025	Angle of Slope θ: 45.0	Slope, n: 1.0
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Remarks:

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