

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: 5/26/84		RECEIVED AUG 9 1984	
Company: Amoco Production Company				Connection:					
Pool: Bravo Dome				Formation: Tubb				OIL CONSERVATION DIVISION BDCDGU	
Completion Date: 5/10/81		Total Depth: 2557'		Plug Back TD: 2504'		Elevation: 4475'		Farm or Lease Name:	
Csg. Size: 5-1/2	Wt.: 14#	Set At: 2557	Perforations: From 2015 To 2120		Well No.: 1935 241J				
Tng. Size: 2-7/8	Wt.: 6.5#	Set At: 2076'	Perforations: From To		Unit: J Sec. 24 Twp. 19N Rge. 35E				
Type Well - Single - Bradenhead - G.G. or G.O. Multiple: Single						Packer Set At: 1983		County: Union	
Producing Thru: Tubing		Reservoir Temp. °F: 90 @ 2068		Mean Annual Temp. °F: 50		Baro. Press. - P _a : 12.25		State: New Mexico	
L: 2068	H: 2068	Gg: 1.529	% 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	
1.	4.026 x	1.75		272	10	70	280	50			1000 HR
2.	4.026 x	1.75		235	29	68	244	50			1.5
3.	4.026 x	1.75		208	50	68	218	50			1.5
4.	4.026 x	1.75		192	64	67	201	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							679
2							1080
3							1324
4							1440
5							

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

NO.	P _r	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} =$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$
1	342.3	292.3		31.7	2.159	2.014
2		256.3		51.5		
3		230.3		64.1		
4		213.3		71.7		
5						

Absolute Open Flow: 2175 Mcfd @ 15.025 Angle of Slope θ : Slope, n: .910

Remarks:

Approved by Commission: <i>Roy E. Johnson</i>	Conducted By:	Calculated By: Don White	Checked By:
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