

cl. File

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

APR 17 '89

Type Test: <input checked="" type="checkbox"/> Initial <input type="checkbox"/> Annual <input type="checkbox"/> Special	Test Date: 2/25/82	O. C. D. AREDA, OFFICE	
Company: Chama Petroleum Company	Connection: None	Well No.: 320	
Formation: <i>Cemetery Morrow</i> Undesignated	Formation: Morrow	Huber Federal	
Completion Date: 2/25/82	Total Depth: 9800'	Plug Back TD: 9718'	Elevation: 3435'
Casing Size: 5 1/2" wt. 17.0	d: 4.892	Set At: 9800'	Perforations: From 9448' To 9464'
Tubing Size: 2 3/8" wt. 4.7	d: 1.995	Set At: 9465'	Perforations: Open Ended
Type Well: Single - 1 rodhead - G.G. or G.O. Multiple Single	Packer Set At: 9464'	County: Eddy	
Producing thru: Tubing	Reservoir Temp. °F: 178 @ 9355'	Mean Annual Temp. °F: 60	Baro. Press. - P _a : 13.2
L: 9456	H: -	G _g : 0.6188	% CO ₂ : 1.167
			% N ₂ : 0.453
			% H ₂ S: -
			Prover: -
			Meter Run: 4.000
			Units: F

NO	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. hw	Temp. °F	TUBING DATA		CASING DATA		Duration of Flow
							Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	
SI							3057 DWT	60	PACKER		6.0 hrs
1.	4.00	5.5/64	1.250	500	7	83	3055	60			0.5 hr
2.	4.00	6.75/64	1.250	510	23	84	3050	60			0.5 hr
3.	4.00	8/64	1.250	510	39	80	3044	60			0.5 hr
4.	4.00	9/64	1.250	510	56	83	3034	60			0.75 hr
5.											

NO.	Coefficient (4 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor F _g	Super Compress. Factor, F _{sc}	Rate of Flow C. H. 111
2	7.469	109.70	523.2	0.9777	1.271	1.038	1056.86
3	7.469	142.85	523.2	0.9813	1.271	1.039	1382.63
4	7.469	171.17	523.2	0.9786	1.271	1.038	1650.59
5							

NO	h	Temp. °R	T _r	Z	Dry Gas		
					Gas Liquid Hydrocarbon Ratio	A.P.L. Gravity of Liquid Hydrocarbons	Specific Gravity Separator Gas
1	0.76	543	1.53	0.929		0.6188	XXXXXXYYZ
2	0.77	544	1.53	0.928			XXXXXX
3	0.77	540	1.52	0.926		678	PSIA
4	0.77	543	1.53	0.928		356	R
5							

NO	P _w *	P _w ²	P _c ² - P _w ²	AOF = Q	Equation 1	Equation 2
2	3900.2	15211.6	70.2			
3	3896.2	15180.4	101.4			
4	3891.2	15141.4	140.4			
5						

Absolute Flow: 30681 Mcfd @ 15.025 Angle of Slope: 58° 18' Slope: 0:618

Remarks: * BOTTOM HOLE PRESSURE @ (-6021)9456' USED FOR PRESSURE CALCULATIONS

Approved by: [Signature]	Conducted By: JARREL WELL TESTING, INC	Calculated By: Joe A. Coleman	Checked By: PE #2208 Joe A. Coleman
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