

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

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Form C-122
Revised 9-2-65
RECEIVED
JUL 14 1976
U.S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 7/6/76	
Company Hondo Drilling Company		Connection None	
Pool Wildcat		Formation Morrow	
Completion Date 7/6/76		Total Depth 11238	Plug Back TD 11238
Csg. Size 5 1/2		Wt. 17-20	Elevation 3425
Tbg. Size 2 3/8		Wt. 4.75	Well No. 1
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single		Packer Set At 11023	County Eddy
Producing Thru Tbg.		Reservoir Temp. °F 184 @ 11032	Mean Annual Temp. °F 11032
L 11032		H 11032	Gg .623
% CO ₂		% N ₂	% H ₂ S
Prover		Meter Run 4"	Taps Flg.
FLOW DATA		TUBING DATA	
NO.	Prover Line Size	X	Orifice Size
SI			
1.	4 x	2.250	595
2.	4 x	2.250	620
3.	4 x	2.250	620
4.	4 x	2.250	630
5.	4 x	2.250	660
PRESS.		DIFF.	TEMP.
p.s.i.g.		hw	°F
3334			
3243			
3037			
2962			
2835			
2703			
RATE OF FLOW CALCULATIONS		DURATION OF FLOW	
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m
1	25.64	55.15	608.2
2	25.64	123.28	633.2
3	25.64	141.23	633.2
4	25.64	172.01	643.2
5	25.64	192.42	673.2
NO.	P _r	Temp. °R	T _r
1	.91	542	1.48
2	.94	539	1.48
3	.94	535	1.47
4	.96	530	1.45
5	1.00	529	1.45
Gas Liquid Hydrocarbon Ratio		67.823	
A.P.I. Gravity of Liquid Hydrocarbons		52 @ 60°	
Specific Gravity Separator Gas		.623	
Specific Gravity Flowing Fluid		.668	
Critical Pressure		671	
Critical Temperature		365	
P.S.I.A.		669	
R		382	
P _c 3347.2		P _c 11203.7	
NO.	P _r ²	P _w	P _w ²
1		3274.4	10721.7
2		3146.7	9901.7
3		3104.6	9638.5
4		3046.7	9282.4
5		2567.8	6597.8
(1) $\frac{P_c^2}{P_r^2 - P_w^2} = 4.676$		(2) $\left[\frac{P_c^2}{P_r^2 - P_w^2} \right]^n = 3.446$	
ACF = 22.637			
Absolute Open Flow		22.637	
Mcf @ 15.025		Angle of Slope @ 51.25°	
Slope, n .802			
Remarks: 12.22 Bbls. of distillate were made during the test.			
Approved By Commission:		Conducted By:	
Rick Pagan		Rick Pagan	
Calculated By:		Checked By:	