

RECEIVED
NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL
AUG 26 1974

Form C-122
Revised 9-1-65

Copy 8515
F-122

Type Test ☒ Initial ☐ Special		ARTESIA, OFFICE		Test Date 8/14/74	
Company Texas Inter. Petro. Corp.		Connection El Paso Natural Gas Company		AUG 21 1974	
Pool Golden Lane		Formation Strawn		Unit TIPCO	
Completion Date 7-31-74		Total Depth 12625		Plug Back TD 11512	
Csg. Size 5 1/2		Wt. 17-20		Elevation 3394 GL	
Tag. Size 2 3/8		Wt. 1.7		Form or Lease Name Hudson Federal	
Type Well - Single - Braidedhead - G.C. or G.O. Multiple Single		Packer Set At 11079		Well No. 1	
Producing Thru Tbg.		Reservoir Temp. °F 180		Mean Annual Temp. °F 11079	
Baro. Press. - P _a 11079		Unit J		Sec. Twp. Rge. 29 20S 30E	
County Eddy		State New Mexico			
Prover 11079		Meter Run 4"		Taps Flg.	

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							2338				24 hr.
1.	4	x	1.50	218	1.96	80	2274				1 hr.
2.	4	x	1.50	232	6.25	81	2248				1 hr.
3.	4	x	1.50	272	14.4	77	2230				1 hr.
4.	4	x	1.50	326	20.3	72	2145				1 hr.
5.	4	x	1.50	398	36.0	68	2057				1 hr.

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	10.84	21.29	231.2	.9813	1.200	1.023	278
2	10.84	39.15	245.2	.9804	1.200	1.025	512
3	10.84	64.08	285.2	.9840	1.200	1.030	845
4	10.84	82.98	339.2	.9887	1.200	1.038	1108
5	10.84	121.67	411.2	.9924	1.200	1.047	1644

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	.35	540	1.39	.955	29.247	54.5 @ 60	.694	.793	669	388
2	.37	541	1.39	.952						
3	.43	537	1.38	.942						
4	.51	532	1.37	.929						
5	.61	528	1.36	.913						

NO.	P _r ²	P _w ²	R _w ²	P _r ² - R _w ²	(1) $\frac{P_r^2}{P_r^2 - R_w^2} =$	(2) $\left[\frac{P_r^2}{P_r^2 - R_w^2} \right]^n =$
1	2315.8	5362.9	155.2		8.807	8.807
2	2304.5	5310.7	217.4			
3	2284.0	5216.7	311.5			
4	2253.2	5076.9	451.2			
5	2213.7	4902.5	627.7			

Absolute Open Flow	14,479	Mcf @ 15.025	Angle of Slope @	45°	Slope, n	1.000
Remarks: Well made 6.25 Pbl. condensate during test. Point alignment flat, a 45° angle of slope 1.000 was drawn through highest flow rate.						
Approved By Commission	Certified By:	Calculated By:	Checked By:			
	Nick Pagan	Rick Pagan				