

JUL 28 1981

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 7-20-81		JUL 28 1981	
Company Florida Exploration Company						Connection El Paso Natural Gas		O.C.D. ARTESIA, OFFICE	
Pool Ross Draw						Formation Morrow		Unit Ross Draw Unit	
Completion Date 7-13-81		Total Depth 14,540		Plug Back TD 14,492'		Elevation 2992.7' GL		Farm or Lease Name Ross Draw Unit	
Csq. Size 5" liner	Wt. 17.93	d N-80	Set At 14,540	Perforations: From 14332 To 14348		Well No. 10			
Tbg. Size 2 7/8	Wt. 6.50	d N-80	Set At 12,150	Perforations: From 14383 To 14406		Unit Sec. Twp. Rge. E 27 26S 30E			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single						Packer Set At 12,135'		County Eddy	
Producing Thru Tubing		Reservoir Temp. °F 196 # 14168		Mean Annual Temp. °F 70		Baro. Press. - P _a 13.2		State New Mexico	
L 14368	H 14368	G _g 0.566	% CO ₂ 0.70	% N ₂ 0.34	% H ₂ S Nil	Prover	Meter Run X	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	
SI	69 1/2 hours						6570		Pkr.		
1.	4.026" X 1.500"			590	1.0	104	6475	70	Pkr.		60 mins
2.	4.026" X 1.500"			390	4.0	102	6200	70	Pkr.		60 mins
3.	4.026" X 1.500"			390	11.0	95	5540	70	Pkr.		60 mins
4.	4.026" X 1.500"			390	34.0	86	4150	70	Pkr.		60 mins
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	10.84	24.56	603.2	0.9602	1.329	1.032	350.6
2	10.84	40.16	403.2	0.9619	1.329	1.020	567.6
3	10.84	66.60	403.2	0.9680	1.329	1.021	948.2
4	10.84	117.08	403.2	0.9759	1.329	1.023	1684.0
5.							

NO.	P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1.	USED SIMPLIFIED				A.P.I. Gravity of Liquid Hydrocarbons	-
2.	SUPERCOMPRESSIBILITY				Specific Gravity Separator Gas	0.566
3.	TABLES				Specific Gravity Flowing Fluid	X X X X X
4.					Critical Pressure	673 P.S.I.A.
5.					Critical Temperature	341 R

NO.	P _i ²	P _s ²	P _f ²	P _f ² - P _s ²
1		8199.2	67227	2132
2		7924.2	62793	6566
3		7208.2	41958	17401
4		5856.2	34295	35064
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.978069$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.749228$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2945.701$

Absolute Open Flow		2945.701	Mcf/d @ 15.025	Angle of Slope @	50.66°	Slope, n	0.819759
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Remarks: BHP MEASURED WITH AMERADA RPG-3 GUAGE NO. 32709, 0-11000 RANGE

Approved By Commission:	Conducted By: Tefteller, Inc.	Calculated By: D. A. Warren, Jr.	Checked By:
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