

RECEIVED

☒ Hydraulic ☐ Mechanical ☐ Electrical		6-23-82	AUG 4 1982
Company THE PETROLEUM CORPORATION		Connection EL PASO NATURAL GAS COMPANY	
Pool Undesignated Parkway		Formation Morrow	Unit O. C. D.
Completion Date 2-15-82		Total Length 11,670	Form or Lease Name Parkway West
Casing Size 4 1/2"		Plug Back TD 11,580	Elevation 3391.64 N/A
Casing Set At 12.7		Perforations From 11,087 To 11,466	Well No. 10
Casing Set At 4.7		Perforations From Open To Ended	Unit Sec. Twp. Range G 27 19 29
Type - Single - Broadhead - G.C. or C.O. Multiple Single		Packer Set At 10,990	County Eddy
Producing Valve Tbg.		Reservoir Temp. °F 187 @ 11,276	State New Mexico
Mean Annual Temp. °F 60		Baro. Press. - P ₀ 13.2	
11,033	11,033	.638	.73
.91	.05	4"	Flg.

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow
NO.	Flow Line Size	Orifice Size	Flow Rate p.s.i.g.	Diff. In. Hg	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	
1						3139		PKR		24 hrs.
2	4 X 1.250		375	1.44	90	2966		"		1 hr.
3	4 X 1.250		382	4.41	86	2817		"		1 hr.
4	4 X 1.250		391	9.00	86	2553		"		1 hr.
5	4 X 1.250		398	15.21	84	2322		"		1 hr.

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 hour)	$\sqrt{P_0 P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super. Compens. Factor, F _{sp}	Rate of Flow Q, Mcfd
1	7.469	23.64	388.2	.9723	1.252	1.031	222
2	7.469	41.75	395.2	.9759	1.252	1.031	393
3	7.469	60.31	404.2	.9759	1.252	1.032	568
4	7.469	79.08	411.2	.9777	1.252	1.033	747

NO.	n	Temp. °R	T _c	z	Gas Liquid Hydrocarbon Ratio	A.P.L. Gravity of Liquid Hydrocarbon	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure	Critical Temperature
1	.58	550	1.49	.941	160.83	53 @ 60°	.638	X X X X X	670	368
2	.59	546	1.48	.940				X X X X X		
3	.60	546	1.48	.939						
4	.61	544	1.48	.938						

NO.	P ₀	P _m	P _c	P _c ²	P _c ² - P _m ²
1	3152.2	9936.4			
2		2979.5	8877.3	1059.2	
3		2831.1	8015.3	1921.1	
4		2568.3	6596.1	3340.3	
5		2339.1	5471.4	4465.0	

$$(1) \frac{P_c^2}{P_c^2 - P_m^2} = 2.225$$

$$AOF = 0 \left[\frac{P_c^2}{P_c^2 - P_m^2} \right]^n = 1.506$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_m^2} \right]^n = 2.016$$

Absolute Open Flow	1,506	Mcfd @ 15.025	Angle of Slope	48.75°	Slope, n	.877
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Remarks: **Made 1/2 bbl. oil during test.**

Approved by Division	EL PASO EXPLORATION CO. McMurrain & Rea	EL PASO EXPLORATION CO. Bob McMurrain	Checked by
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THE PETROLEUM CORPORATION
 Parkway West No. 10
 G-27-19-29, Eddy County, New Mexico
 June 23, 1982

