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See Rule 401 & Rule 1122

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-122
Revised 4-1-91

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator ANADARKO PETROLEUM CORPORATION						Lease or Unit Name Querecho Plains Unit			
Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 12/12/94		Well No. 1	
Completion Date 12/2/94		Total Depth 14217		Plug Back TD 13730		Elevation 3757 GL		Unit Ltr. - Sec. - TWP - Rge. K 22-18s-32e	
Csg. Size 7"	Wt. 26#	d 6.276	Set At 13755	Perforations: From: 12610 To: 12632				County Lea	
Tbg. Size 2 7/8	Wt. 6.5	d 2.441	Set At 12404	Perforations: From: OPEN To: ENDED				Pool North Lusk Undesignated	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At 12404				Formation Morrow	
Producing Thru Tbg		Reservoir Temp. °F 198° @ 12404		Mean Annual Temp. °F 60		Baro. Press - P 13.2		Connection GPM	
L 12404	H 12404	Gg .676	% CO ₂ .59	% N ₂ .49	% H ₂ S	Prover		Meter Run 2.067	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
1.	2	x	1.375	10.5	18.40	54	2131	60	PKR		71 Hrs
2.							25	60	PKR		24 Hrs
3.											
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	COEFFICIENT (24 HOUR)	$h_w^2 p_m$	Pressure p _m	Flow Temp. Factor Ft.	Gravity Factor Fg.	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1.	10.20	20.88	23.7	1.006	1.216	1.004	262
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1.	.03	514	1.34	.992	23.8	
2.					A.P.I. Gravity of Liquid Hydrocarbons 46.0 @ 60°	Deg.
3.					Specific Gravity Separator Gas .676	XXXXXXXXXX
4.					Specific Gravity Flowing Fluid .7972	XXXXXX GMIX = .807
5.					Critical Pressure 669 P.S.I.A.	665 P.S.I.A.
					Critical Temperature 382 R	424 R

P _c 2144.2 p _c ² 4597.6				
NO.	P _i ²	P _w	P _w ²	P _c ² - P _w ²
1.		52.9	2.8	4594.8
2.				
3.				
4.				
5.				

1) $\frac{p_c^2}{p_c^2 - p_w^2} = 1.001$

AOF = Q $\left[\frac{p_c^2}{p_c^2 - p_w^2} \right]^n = .262$

(2) $\left[\frac{p_c^2}{p_c^2 - p_w^2} \right]^n = 1.001$

Absolute Open Flow 262 Mcfd @ 15.025	Angle of Slope Θ 45	Slope, n 1.000
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Remarks: **Well produced 11.0 BBLs condensate in 24 hrs.**

Approved By Division SEXTON	Conducted By: Anadarko Petroleum Corp.	Calculated By: Bob Murray	Checked By: Bob Murray
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RECEIVED

DEC 21 1994

JOE HOBBS
OFFICE