

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

Form C-122

*clsr
File*

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 10/26/1994	
Company Yates Petroleum Corp				Connection Transwestern Pipeline Co	
Pool Abo				Formation Pecos Slope	
Completion Date 09/03/1994		Total Depth 4300		Plug Back TD 4230	
				Elevation 3779	
Farm or Lease Name Dee OQ State					
Csg. Size 4.500	Wt 10.500	d 4.052	Set At 4300	Perforations: From 3716 To 3858	
Well No. 5					
Tbg. Size 2.375	Wt 4.700	d 1.995	Set At 3634	Perforations: From 3716 To 3858	
Unit Sec. Twp. Rge. K 32 5S 25E					
Type Well Single				Packer Set At 3637	
Producing Thru Tubing				Baro. Press. - Pa 13.2	
Resv. Temp. °F 103 @ 4300				Mean Temp. °F 62	
State New Mexico					
L 3634	H 3634	Gg 0.650	%CO ₂ 0.037	%N ₂ 5.095	%H ₂ S 0.000
Prover 0.000		Meter Run 2.000		Taps Flange	

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow	
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. hw	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.		Temp. °F
SI	0.000	x	0.000	0	0.0	0	830	0			0
1	2.067	x	1.375	500	17.0	49	715	62			24
2	2.067	x	1.375	512	32.8	52	643	62			24
3	2.067	x	1.375	470	46.1	51	572	62			24
4	2.067	x	1.375	500	65.0	48	500	62			24
5		x									

NO.	Coefficient (24 Hour)	$\sqrt{hwP_m}$	Pressure P _m	Flow Temp Factor F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	10.200	93.4	513.2	1.0108	1.240	1.051	1254
2	10.200	131.2	525.3	1.0078	1.240	1.051	1757
3	10.200	149.2	483.4	1.0088	1.240	1.047	1993
4	10.200	182.6	513.2	1.0117	1.240	1.051	2456
5							

NO.	Pr	Temp °R	Tr	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1	0.78	509	1.42	0.906	0	
2	0.79	512	1.43	0.906	0.000	Deg.
3	0.73	511	1.43	0.913	0.650	XXXXXXXXXX
4	0.78	508	1.42	0.905	0.650	XXXXXXXXXX
5						

NO.	P _c	P _w	P _w ²	P _c ² - P _w ²
1	530.3	741.4	549.7	161.3
2	430.6	685.0	469.2	241.8
3	342.5	626.6	392.6	318.4
4	263.4	583.4	340.3	370.7
5				

P _c 843.2 P _c ² 711.0		(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.940$		(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2.388$	
AOF = Q		$\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 4195$			

Absolute Open Flow	4195	Mcf/d @ 15.025	Angle of Slope	0 39	Slope, n	0.807
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Remarks:			
Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	Paul Hanes	Andrea Carpenter	