

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELLS

Form C-122
Revised 9-1-65

NOV 1982

Type Test <input checked="" type="checkbox"/> Initial <input type="checkbox"/> Annual <input type="checkbox"/> Special			Test Date 10/23/82		
Company Yates Petroleum Corporation			Connection Transwestern Pipeline		
Pool Pecos Slope - Abo Gas			Location Abo		
Completion Date 4/27/82		Total Length 4180'	Plug Back TD 4059'	Elevation 3863' GL	Farm or Lease Name Everette "00" Federal
Csg. Size 4 1/2"	wt. 9.5#	ID 4.090	Set At 4152"	Perforations: From 3660 To 3841	
Tubg. Size 2 3/8"	wt. 4.7#	ID 1.995	Set At 3630'	Perforations: From To	
Type Well - Single - Bradenhead - G.O. or G.O. Multiple Single			Packer Set At 3630'		County Chaves
Producing thru Tubing		Reservoir Temp. °F 98° @ 3751	Mean Annual Temp. °F 62	Baro. Press. - P _a 13.2 psi	State New Mexico
L 3630'	H 3630'	G _g .659	% CO ₂ 0.57	% N ₂ 7.72	% H ₂ S 0
Prover --	Meter Run 2"	Taps Flanged			

NO.	FLOW DATA				TUBING DATA		CASING DATA		Duration of Flow
	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	
1.	2.067 x 1.250			195	23.6	72	871	62	24 hr.
2.	2.067 x 1.250			180	30.5	72	860	62	24 hr.
3.	2.067 x 1.250			160	50.1	72	844	62	24 hr.
4.	2.067 x 1.250			150	82.0	72	810	62	24 hr.

NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow
							Q, Mc/d
1.	8.120	70.1	208.2	.9887	1.232	1.017	705
2.	8.120	76.7	193.2	.9887	1.232	1.017	772
3.	8.120	93.2	173.2	.9887	1.232	1.017	937
4.	8.120	115.7	163.2	.9887	1.232	1.017	1164

NO.	R ₁	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio		Rate of Flow
					Mc/d	bbl.	
1.	.32	532	1.50	.967	Dry		705
2.	.29	532	1.50	.967	--		772
3.	.26	532	1.50	.967	.659		937
4.	.25	532	1.50	.967	.659		1164

NO.	P _c	P _w	P _w ²	P _c ² - P _w ²	P _c ² / (P _c ² - P _w ²)	P _c ² / (P _c ² - P _w ²) ⁿ
1.	781.8		788.2	84.5		
2.	762.5		770.1	102.6		
3.	734.8		746.1	126.6		
4.	677.7		695.1	177.6		

Absolute Open Flow 3514 Mc/d @ 15.025 Angle of Slope θ _____ Slope, n .694

Remarks: _____

Approved By: _____	Conducted By: David Weaver	Calculated By: Andie Alderson	Checked By: _____
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(24 = 25 27)

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100



Aug 28.4

Cuch.