

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

Form C-122

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 12/12/95	
Company Yates Petroleum Corp		Connection Amoco P/L Int. Trucking	
Pool <i>E Burton Flat</i> Undesignated Wolfcamp		Formation Wolfcamp	
Completion Date 9/13/1995		Total Depth 12550	
Csg. Size 5 500		Wt. 17 000	
Tbg. Size 2 875		Wt. 6 500	
Type Well Single		Packer Set At 12550	
Producing Thru Tubing		Resv. Temp. F 178 @ 10571	
L 12550		H 12550	
Gg 0.769		%CO ₂ 0.155	
%N ₂ 1.266		%H ₂ S 0.000	
Prover 0.000		Meter Run 3.000	
Taps Flange		State New Mexico	
Unit Zinnia Federal Unit		Sec. 27	
Twp. 20s		Rge 29e	
County Eddy		Farm to Lease Name DIST. 2	
Well No 1		Elevation 3273	
Perforations: From 10188 To 10216		Perforations: From 10188 To 10216	
Plug Back TD 10743		Baro. Press. - Pa 13 2	

FLOW DATA				TUBING DATA				CASING DATA			
NO	Prover Line Size	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	Duration of Flow	
1	0.000	x 0.000	0	0.0	0	760	0			0	
2	3.068	x 0.625	80	27.0	60	650	60			24	
3	3.068	x 0.625	80	76.0	60	460	60			24	
4	3.068	x 0.625	80	113.0	60	270	60			24	
5	3.068	x 0.625	80	132.0	60	80	60			24	

RATE OF FLOW CALCULATIONS							
NO	Coefficient (24 Hour)	hwPm	Pressure Pm	Flow Temp. Factor Ft	Gravity Factor Fg	Super. Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	1.850	50.2	93.2	1.0000	1.140	1.012	107
2	1.850	84.2	93.2	1.0000	1.140	1.012	180
3	1.850	102.6	93.2	1.0000	1.140	1.012	219
4	1.850	110.9	93.2	1.0000	1.140	1.012	237

NO	Pr	Temp. R	Tr	Z	Gas Liquid Hydrocarbon Ratio	0	Mcft/bbl.
1	0.14	520	1.27	0.976	A.P.I. Gravity of Liquid Hydrocarbons	0.000	Deg.
2	0.14	520	1.27	0.976	Specific Gravity Separator Gas	0.769	xxxxxxxxxx
3	0.14	520	1.27	0.976	Specific Gravity Flowing Fluid	xxxxxxxxxx	0.769
4	0.14	520	1.27	0.976	Critical Pressure	665	P.S.I.A. 665
5					Critical Temperature	408	°R 408

Pc	773.2	Pc'	597.8	
NO	P ₁	P _w	P _w '	P _c ' - P _w '
1	439.8	663.3	440.0	157.8
2	223.9	473.7	224.4	373.4
3	80.2	284.5	81.0	516.9
4	8.7	98.1	9.6	588.2

(1) $\frac{P_{c'}}{P_{c'} - P_{w'}} = 1.157$		(2) $\left[\frac{P_{c'}}{P_{c'} - P_{w'}} \right]^n = 1.092$	
AOF = Q		n = 239	

Absolute Open Flow	239	Mcfd @ 15 025	Angle of Slope	0 31	Slope, n	0.603
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Remarks	
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Approved By Commission	Conducted By: Blaine Wallace	Calculated By: Mykol Reno	Checked By:
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