

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

Form C-122
RECEIVED 1-65

c/SF
File

MAY 14 '84

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 4-25-84		O. C. D. ARTESIA, OFFICE	
Company AMOCO ✓		Connection EL PASO PIPE			
Pool BALDRIDGE CANYON <i>Morrow</i>		Formation MORROW		Unit	
Completion Date 12-13-80		Total Depth 10735.		Plug Back TD 10533.	
Elevation 3891.1 3899.		Farm or Lease Name STATE IB <i>Com</i>			
Csg. Size 5.500	Wt. 17.0	d 4.892	Set At 10735.	Perforations: From 10512. To 10521.	
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 10425.	Perforations: From 0. To 0.	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple SINGLE				Packer Set At 10323.	
Producing Thru TUBING		Reservoir Temp. °F 166.0 10517.		Mean Annual Temp. °F 60.0	
		Baro. Press. - P _a 13.2		State NEW MEXICO	
L 10517.	H 10517.	Gg 0.650	% CO ₂ 0.0	% N ₂ 0.0	% H ₂ S 0.0
Prover 0.0		Meter Run 4.0		Taps FLANGE	

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
SI							1710.	91.			120.0
1.	4.00	X	0.500	656.	6.3	94.	1527.	94.	0.	0.	0.8
2.	4.00	X	0.500	640.	16.0	92.	1225.	92.	0.	0.	0.8
3.	4.00	X	0.500	640.	25.0	90.	710.	90.	0.	0.	0.8
4.	4.00	X	0.500	640.	1.0	96.	673.	96.	0.	0.	0.8
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _L	Gravity Factor F _g	Super. Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	1.18	64.67	669.2	0.9688	1.2403	1.0558	97.
2	1.18	102.23	653.2	0.9706	1.2403	1.0552	153.
3	1.18	127.79	653.2	0.9723	1.2403	1.0560	192.
4	1.18	25.56	653.2	0.9671	1.2403	1.0536	38.
5							

NO.	P _f	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1	1.00	554.	1.48	0.897	A.P.I. Gravity of Liquid Hydrocarbons	0.0
2	0.97	552.	1.48	0.898	Specific Gravity Separator Gas	0.650
3	0.97	550.	1.47	0.897	Specific Gravity Flowing Fluid	XXXXXX
4	0.97	556.	1.49	0.901	Critical Pressure	670. P.S.I.A.
5					Critical Temperature	374. °R

P _c 1695.0	P _c ² 2873.	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.2175$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1034$
NO.	P _f ²	P _w ²	P _w ² - P _c ²
1	2372.	1515.	2294.
2	1533.	1221.	1491.
3	523.	716.	513.
4	471.	678.	460.
5			

Absolute Open Flow 212 Mcfd @ 15.025 Angle of Slope 63.4 Slope, n 0.500

Remarks:

Approved By Commission: Conducted By: BENNETT AND Calculated By: STEVE BATES Checked By: RICHARD ROETH