

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

Form C-122
Revised 9-1-65

Type Test <input checked="" type="checkbox"/> Initial <input type="checkbox"/> Annual <input type="checkbox"/> Special				Test Date 5-9-80	
Company CONOCO, INC.			Connection EL PASO NATURAL GAS		
Pool LANGLEY DEVONIAN			Formation DEVONIAN		Unit 0
Completion Date 3-11-80		Total Depth 15,599'	Plug Back TD 15,504'	Elevation 3557'GL	Farm or Lease Name STATE E
Csq. Size 7"	Wt. 32 #	d 6.094	Set At 15,544'	Perforations: From 12,409' To 12,639'	Well No. 10
Thq. Size 2 3/8"	Wt. 4.6 #	d 1.995	Set At 12,400'	Perforations: From OPEN To ENDED	Unit Sec. Twp. Rge. 0 17 22S 36E
Type Well - Single - Bradenhead - G.G. or G.O. Multiple DUAL - G.G.				Packer Set At 12,366'	County LEA
Producing Thru TRM.		Reservoir Temp. °F 198 @ 12,390'	Mean Annual Temp. °F 60°	Baro. Press. - P _a 13.2	State NEW MEXICO
L 12,390'	H 12,390'	G _g .747	% CO ₂ 1.90	% N ₂ 2.05	% H ₂ S .733
			Prover	Meter Run 4"	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	Duration of Flow
SI							2103				93 HRS
1.	4" X 1.500"			549	1.44	78	2016	76			1 HR
2.	4" X 1.500"			549	3.24	79	1940	78			1 HR
3.	4" X 1.500"			557	9.61	78	1853	80			1 HR
4.	4" X 1.500"			557	16.81	78	1806	80		(STABILIZED)	1 HR
5.											

RATE OF FLOW CALCULATIONS							
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, Mcfd
1	10.84	28.453	562.2	.9831	1.157	1.066	374
2	10.84	42.679	562.2	.9822	1.157	1.066	560
3	10.84	74.024	570.2	.9831	1.157	1.067	974
4	10.84	97.903	570.2	.9831	1.157	1.067	1288
5							

NO.	P _f	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio	A.P.I. Gravity of Liquid Hydrocarbons	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure	Critical Temperature
					44.387 Mcf/bbl.	60.0 @ 60	.747	X X X X X X X X	672 P.S.I.A.	396 R
1.	0.84	538	1.36	.880						
2.	0.84	539	1.36	.880						
3.	0.85	538	1.36	.879						
4.	0.85	538	1.36	.879						
5.										

NO.	* P _i ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} =$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$
					12.598	6.182
1	3492.2	2416.2	5838.0	85.4		
2	3470.2	2401.0	5764.8	158.6		
3	3447.2	2382.8	5677.7	245.7		
4	3383.2	2335.2	5453.2	470.2		
5	3515.2	(518HP)				

Absolute Open Flow	7,962 Mcfd @ 15.025	Angle of Slope θ	54.3°	Slope, n	.719
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Remarks: * BHP WERE MEASURED @ 12,390'.
WELL PRODUCED 3 BBL'S CONDENSATE DURING TEST.

Approved By Commission	Conducted By:	Calculated By:	Checked By:
	TOM C. ADUDDALL	TOM C. ADUDDALL	