

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

Form C-122
Revised 9-1-65

C/SF
C-122

RECEIVED

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 3-16-82		MAR 24 1982							
Company Amoco Production Company ✓			Connection El Paso Natural Gas Comp								
Pool South Culbraz Bluff Atoka Undesignated			Formation Morrow Atoka		Unit O.C.D. ATKINS, OFFICE						
Completion Date 2-1-82		Total Depth 12355		Plug Back TD 12105	Elevation 3038						
Csg. Size 5.500		Wt. 19.8	d 1.892	Set At 12150	Perforations: From 11683 To 11764						
Tbg. Size 2.875		Wt. 6.5	d 2.469	Set At 11594	Perforations: From 0 To 0						
Type Well - Single - Dradhead - G.C. or G.O. Multiple Single				Packer Set At 11580	Farm or Lease Name Fate						
Producing Thru Tubing		Reservoir Temp. °F 168 11724		Mean Annual Temp. °F 60.0	Baro. Press. - P _a 13.2						
L 11724		H 11724	G _g 0.589	% CO ₂ 1.67	% N ₂ 1.24						
				% H ₂ S 0	Prover 0						
					Meter Run 4.0						
					Taps Flange						
FLOW DATA											
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	TUBING DATA		CASING DATA		Duration of Flow
							Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	
SI											
1.	4.00 x 0.750			354	3.2	76	1646	60			0
2.	4.00 x 0.750			364	7.2	80	1459	61	0	0	0.7
3.	4.00 x 0.750			360	11.6	80	1286	68	0	0	0.7
4.	4.00 x 0.750			360	21.2	81	1060	72	0	0	0.7
5.							728	76	0	0	0.7
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	2.66	34.49	367.2	0.9850	1.3030	1.0263	121				
2	2.66	52.26	377.2	0.9813	1.3030	1.0262	182				
3	2.66	65.68	373.2	0.9813	1.3030	1.0259	229				
4	2.66	88.86	373.2	0.9804	1.3030	1.0258	310				
5											
NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.						
1.	0.54	536	1.54	0.949	A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.						
2.	0.56	540	1.55	0.950	Specific Gravity Separator Gas 0.589 X X X X X X X X						
3.	0.55	540	1.55	0.950	Specific Gravity Flowing Fluid X X X X X 0.589						
4.	0.55	541	1.55	0.950	Critical Pressure 678 P.S.I.A. 678 P.S.I.A.						
5.					Critical Temperature 349 R 349 R						
P _c 1659.2 P _c ² 2753											
NO.	P _i ²	P _w	P _w ²	P _c ² - P _w ²							
1	2167	1473	2169	584							
2	1688	1295	1678	1075							
3	1152	1069	1142	1611							
4	549	738	544	2209							
5											
Absolute Open Flow 362 Mcfd @ 15.025				Angle of Slope θ 54.7		Slope, n 0.709					
Remarks:											
Approved By Commission:		Conducted By: John West		Calculated By: B. A. Hemmeline		Checked By: L. W. Sheppard					