

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

RECEIVED
 Form C-122
 Revised 9-1-84
NOV 30 1984
 O. C. D.
 ARTESIA, OFFICE

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 11/8/84	
Company EXXON CO. U.S.A.		Location NONE	
Well Wildcat Atoka		Formation ATOKA	
Completion Date 11/8/84	Total Depth 11,866	Plug back TD 11,270-11,237	Elevation 3302
Csg. Size 4 1/2	Int. Dia. 15.1	Set At 3,826	Perforations: From 10,512 To 10,616
Trq. Size 2 7/8	Int. Dia. 6.5	Set At 2,441	Perforations: From OPEN To END
Type Well - Single - Protthead - G.G. or G.O. Multiple SINGLE			Peckor Set At 10,425
Producing Thru TBG.	Reservoir Temp. °F 178 @ 10,425	Mean Annual Temp. °F 60	Buro. Press. - P ₀ 13.2
L 10,425	H 10,425	G _g .6153	% CO ₂ .711
		% N ₂ .851	% H ₂ S
Prover		Meter Run 2.900	Temp. FLG.

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow	
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. In. H ₂ O	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.		Temp. °F
5.							4955				
1.	2.90 X 1.250			450	6	85	4365				1 HR.
2.	2.90 X 1.250			460	13	85	3880				1 HR.
3.	2.90 X 1.250			460	25	86	3206				1 HR.
4.	2.90 X 1.250			470	38	86	2481				1 HR.
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super. Compens. Factor, F _{spv}	Rate of Flow Q, Mhd
1	7.615	52.72	463.2	.9768	1.275	1.036	518
2	7.615	78.43	473.2	.9768	1.275	1.036	771
3	7.615	108.77	473.2	.9759	1.275	1.036	1068
4	7.615	135.50	483.2	.9759	1.275	1.037	1331
5.							

NO.	P ₁	Temp. °R	T ₁	Z	Gas Liquid Hydrocarbon Ratio 384.167 Mhd/bbl.
1	.69	545	1.51	.932	A.P.I. Gravity of Liquid Hydrocarbons 42.5 @ 60 Deg.
2.	.71	545	1.51	.931	Specific Gravity Separator Gas .615 X X X X X X X X
3.	.71	546	1.51	.931	Specific Gravity Flowing Fluid X X X X X
4.	.72	546	1.51	.930	Critical Pressure 671 P.S.I.A. P.S.I.A.
5.					Critical Temperature 362 R R

NO.	P ₁ ²	P ₂ ²	P ₃ ²	P ₄ ²	P ₅ ²	P ₆ ²	P ₇ ²	P ₈ ²	P ₉ ²	P ₁₀ ²	P ₁₁ ²	P ₁₂ ²	P ₁₃ ²	P ₁₄ ²	P ₁₅ ²	P ₁₆ ²	P ₁₇ ²	P ₁₈ ²	P ₁₉ ²	P ₂₀ ²
1		4389.6	19268.6	5414.4																
2		3894.1	15164.0	9519.0																
3		3221.6	10378.7	14304.5																
4		2505.9	6279.5	18403.5																
5																				

Absolute Open Flow 1,695 Mhd @ 15.025		Angle of Slope @ 50.5		Slope, n .824	
Remarks: MADE .4 BBL CONDENSATE DURING TEST					
Approved By: _____		Conducted By: DUKE SERVICES, INC		Calculated By: R.RESTON	
				Checked By: _____	