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NEW MEXICO OIL CONSERVATION COMMISSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

MAR 1 1981

MAR 11 1981

C-1-F

122

O.C.D.		O.C.D.		ARTESIA OFFICE		2-10-81	
JAKE L HAMON				AIR			
WILDCAT				MORROW			
Completion Date 2-5-81		Total Depth 10,451'		Flowing Depth 10,415'		Elevation 3296' KB	
Casing Size 5 1/2"		Set At 10,450'		Perforations From 10,021' To 10,383'		Well No. #1	
Tubing Size 2 3/8"		Set At 9903		Perforations From OPEN ENDED		Unit I 33 205 26E	
Type Well - Single - Prof. Head - G.O. or G.O. Multiple SINGLE				Packer Set At 9903		County EDDY	
Producing thru TUBING		Reservoir Temp. °F 172° 10,207		Mean Annual Temp. °F 60		Baro. Press. - P _a 13.2	
L 10,207		h 10,207		G _g .628		% CO ₂ 2.04	
				% N ₂ .47		% H ₂ S 0	
				Prover		Meter Run 4"	
						FLG	

FLOW DATA							TUBING DATA		CASING DATA		Duration of Flow
NO	Prover Line Size	X	Crit. 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	
51							2,773	60	3,504		125 1/4 HR
1.	4		1"	480	3.75	76	2,650	44	3,407		1H
2.	4		1"	480	14	72	2,510	41	3,314		1H
3.	4		1"	480	27	67	2,370	40	3,100		1H
4.	4		1"	490	74	80	2,040	32	2,750		1H

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. Comp. Factor, F _{spv}	Rate of Flow Q, MGD
1	4.874	43.006	493.2	.9850	1.2619	1.0398	273
2	4.874	83.095	493.2	.9887	1.2619	1.0409	526
3	4.874	115.397	493.2	.9933	1.2619	1.0426	735
4	4.874	192.969	503.2	.9723	1.2619	1.0392	1210
5							1047

DELIVERABILITY RATE							
NO	P _h	Temp. °F	z	Gas Liquid Hydrocarbon Ratio	A.P.L. Gravity of Liquid Hydrocarbons	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid
1	.73	536	1.49	.925	45 AT 48 DEGREES	.6280	.6280 X X X X X
2	.73	532	1.48	.923			
3	.73	527	1.46	.920			
4	.74	550	1.50	.926			
5							

DELIVERABILITY RATE			
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1	7092.6		
2	6366.5		
3	5679.6		
4	4215.6		
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