

RECEIVED

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 4-20-82		MAY - 3 1982	
Company JACK GRYNBERG & ASSOCIATES		Connection AIR NEW WELL		O. C. D.	
Perforation ABO		Unit ARTESIA, OFFICE		P	
Completion Date 4-20-82		Total Depth 4150		Plug Back TD 4076	
Elevation 3988 KB		Pattern or Lease Date GRYNBERG STATE		Well No. 16-1	
Perforations: From 3592 To 3763		Perforations: From OPEN To ENDED		Unit Sec. Twp. Rge. P 16 5S 24E	
Type well - Single - Bradenhead - G.O. or G.O. Multiple SINGLE		Packer Set At NONE		County CHAVES	
Producing Thru TIBING		Reservoir Temp. °F 100 3681		Mean Annual Temp. °F 60°	
Baro. Press. - P _a 13.2		State NEW MEXICO			
L 3681		H 3681		G _g .686	
% CO ₂ 2.08		% N ₂ 10.14		% H ₂ S 2.00	
Prover 2.00		Meter Run		Days	

FLOW DATA						TUDING DATA		B.H.P. DATA		Duration of Flow	
NO	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. hw	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.		CHOKE
1	2.00	X	.09375	853	0	59	856		953	9/64	117 HRS
2	2.00	X	.1875	400	0	48	811		904	10/64	1
3	2.00	X	.1875	640	0	51	735		819	11/64	1
4	2.00	X	.21875	490	0	51	543		679	13/64	1

RATE OF FLOW CALCULATIONS							
NO	Coefficient (24 Hour)	$\sqrt{P_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor, F _{sp}	Rate of Flow Q, Mscf
1	.1410	.00	866.2	1.001	1.207	1.079	159
2	.6082	.00	413.2	1.012	1.207	1.041	319
3	.6082	.00	653.2	1.009	1.207	1.063	514
4	.8393	.00	503.2	1.009	1.207	1.048	539

NO	P _w	Temp. °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
1	1.31	519	1.45	.859		.686	X X X X X	660	357
2	.63	508	1.42	.923			X X X X X		
3	.99	511	1.43	.885					
4	.76	511	1.43	.911					

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1	879.2	762.0	772.8	580.6	194.8
2	828.9	686.8	687.1	471.6	168.7
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