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File

Type Test ☒ Initial 4 POINT ☐ Annual ☐ Special		Test Date 10-3-82		OCT 12 1982	
Company JACK GRYNBERG & ASSOC.		Connection AIR NEW WELL		O.C.D.	
Field PECOS SLOPE U.D. <i>ABO</i>		Formation ABO		Unit K	
Completion Date 9-10-82-10-3-82		Total Depth 4075		Plug Back TD 4042	
Elevation 3943		Form or Lease GRYNBERG FEDERAL		Well No. 2	
Log Size 4.500	Wt. 10.5	d 4.052	Set At 4075	Perforations: From 3613 To 3657	
Log Size 2.375	Wt. 4.7	d 1.995	Set At 3556	Perforations: From OPEN To ENDED	
Type Well - Single - Production - G.G. or G.O. Multiple SINGLE				Packer Set At NONE	
Producing thru TUBING		Reservoir Temp. °F 92 3635		Mean Annual Temp. °F 60°	
Baro. Press. - P _a 13.2		State NEW MEXICO		County CHAVES	
L 3635	H 3635	Gg 0.669	% CO ₂ 3.05	% N ₂ 5.69	% H ₂ S 0
Prover 2.0		Meter Run 0		Type FLANGE	

FLOW DATA						TUBING DATA		B.H.P. 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.	CHOKE
51							802	85	872	292.7 HF
1	2.00	X	0.375	300	0	60	794	80	846	6/64 1 HR
2	2.00	X	0.375	490	0	70	815	81	800	8/64 1 HR
3	2.00	X	0.625	245	0	63	785	80	740	11/64 1 HR
4	2.00	X	0.625	305	0	63	745	79	670	18/64 1 HR

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 Compress. Factor, F _{sc}	Rate of Flow Q, Mhd
1	2.37	0	313.2	1.0000	1.2223	1.0288	935
2	2.37	0	503.2	0.9905	1.2223	1.0424	1507
3	6.46	0	258.2	0.9971	1.2223	1.0231	2079
4	6.46	0	318.2	0.0071	1.2223	1.0288	2576

NO	P ₁	Temp. °F	$\bar{r}$	Z	Gas Liquid Hydrocarbon Ratio	A.P.L. Gravity of Liquid Hydrocarbons	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure	Critical Temperature
1	0.47	520	1.45	0.945			0.669		673	360
2	0.75	530	1.47	0.920						
3	0.38	523	1.45	0.955						
4	0.47	523	1.45	0.945						

NO	P ₁	P ₂	P ₁ ²	P ₂ ²	P ₁ ² - P ₂ ²
1	738.	780.	608.	37.	
2	661.	739.	545.	100.	
3	567.	685.	469.	176.	
4	467.	622.	386.	259.	

NO	P ₁	P ₂	P ₁ ²	P ₂ ²	P ₁ ² - P ₂ ²
1	803.2	645.			

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