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Type Test <input checked="" type="checkbox"/> Initial FOUR POINT <input type="checkbox"/> Annual		Test Date 7-16-82		1980 FSL											
Company STEVEN OPERATING Co.		Connection ARTESIA OFFICE AIR NEW WELL		935 FWL											
Well UNDESIGNATED		Formation ABO		Unit 1											
Completion Date 7-15-82 2-26-82		Total Depth 4450		Plug Back ID 4282											
Elevation 3606.7 KB		Form or Lease Data HELEN COLLINS Feat.													
Log Size 4.50	Wt. 10.5	d 4.052	Set At 4400	Perforations: From 3669.5 To 3951											
Log Size 2.375	Wt. 4.7	d 1.995	Set At 3626	Perforations: From OPEN To ENDED											
Type Well - Single - Bradenhead - G.G. or G.O. Multiple SINGLE			Packer Set At NONE		County CHAVES										
Producing thru TUBING L 3810		Reservoir Temp. °F 100	Mean Annual Temp. °F 98	Boro. Press. - P ₀ 13.2											
State NEW MEXICO		Prover 2.00		Meter Run											
FLOW DATA			TUBING DATA		B.H.P. DATA										
NO	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	CHOKE	Duration of Flow				
51							718	98			26 HRS.				
1	2.00	X	.1875	378	00	91	707	97	.00	8/64	1 HR				
2	2.00	X	.1875	635	00	98	696	99	.00	12/64	1 HR				
3	2.00	X	.250	622	00	94	671	96	.00	14/64	1 HR				
4	2.00	X	.375	515	00	95	617	98	.00	20/64	1 HR				
5	2.00	X	.500	368	00	93	549	98	.00	24/64	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 _{pv}	Rate of Flow G. Mhd								
1	.6237	.00	648.2	.9653	1.2172	1.0448	496								
2	1.1150	.00	635.2	.9688	1.2172	1.0448	873								
3	2.4390	.00	530.2	.9680	1.2172	1.0381	1583								
4	4.3880	.00	381.2	.9697	1.2172	1.0276	2029								
5															
NO	H	Temp. °H	T _g	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/Lbl.										
1	.96	558	1.55	.916	A.P.I. Gravity of Liquid Hydrocarbons _____ (°F)										
2	.94	554	1.54	.916	Specific Gravity Separator Gas .6750 _____ X X X X X X X X X X										
3	.79	555	1.54	.928	Specific Gravity Flowing Fluid .7649 _____ X X X X X										
4	.57	553	1.54	.947	Critical Pressure 672 _____ P.S.I.A. _____ P.S.I.A.										
5					Critical Temperature 360 _____ °F _____ °F										
NO	P _c	P _w	P _w	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 3.7197$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.9286$										
1	804.5	798.4	637.4	10.0	A.P.I. Gravity $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3913.2$										
2		776.8	603.4	44.0											
3		738.3	545.1	102.0											
4		687.6	472.8	174.0											
5															
Rate of Flow		3913.2		Mhd @ 13.025		Angle of Slope @		63.4		Slope, n		.5000			
Approved By Commission:				Conducted By: DON BENNETT				Calculated By: BENNETT - CATHEY				Checked By:			