

A & A ENGINEERING SERVICE

PHONE MU3-1763

Midland, Texas 79701

OPEN FLOW PRODUCTION DATA

BOX 3323

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Pennzoil Company

Field South Carlsbad

Well Gulf Federal No. 2 Pay Morrow S.G. (Liquid) S. G. (Gas) .583

Meter Run 2" 2.067 Orifice Size 1.00 Coefficient of Orifice 4.946

Date	Time	WELL HEAD INFO.			SEPARATOR INFO.			METER RUN			FLUID MEASUREMENTS			
		TBG Pres.	CSG Pres.	Temp.	Temp.	Choke	Pres.	Dif.	Volume	Inches	Inches Per Hr.	BBS Per Hr.	BBS Per Day	BBS Per MMCF
21-1972	17:00	1694	425	Opened on 3rd Rate	10/64"					27.85	.05	.138		
	17:30	1474	426	73	60	10/64"	556	31.2	918					
	18:00	1410	426	72	61	10/64"	558	28	867					
	18:30	1381	427	72	60	10/64"	558	26.6	866					
	19:00	1364	428	71	58	10/64"	559	25.1	817					
	19:30	1358	428	71	56	10/64"	559	23.5	791					
	20:00	1357	428	71	51	10/64"	559	23	787	27.90	.05	.138		
	20:00	1357	428	Opened on 4th Rate	12/64" Choke									
	20:30	1210	429	71	50	12/64"	559	39	1034					
	21:00	1141	429	71	50	12/64"	558	35.2	977					
	21:30	1102	429	71	50	12/64"	557	32.1	929					
	22:00	1090	430	70	50	12/64"	551	31.2	911					
	22:30	1079	430	70	50	12/64"	543	31	900					
	23:00	1077	430	70	50	12/64"	540	30.5	820	27.95	.05	.138		