

A & A ENGINEERING SERVICE

PHONE MU3-1763

Midland, Texas 79701
OPEN FLOW PRODUCTION DATA

BOX 3323

Company Pennzoil Company

Field South Carlsbad

Well Gulf Federal No. 2

Pay Strawn

S.G. (Liquid)

S. G. (Gas) .644

Meter Run 4" 4.026

Orifice Size 1"

Coefficient of Orifice 4.753

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.	BBLS Per Hr.	BBLS Per Day	BBLS Per MMCF
22-1972	10:00	2447	450	Opened on 1st Rate 8/64"						28"				
	10:30	2369	450	70	65	8/64"	480	5.	301					
	11:00	2342	449	70	65	8/64"	490	4.5	296					
	11:30	2326	449	70	67	8/64"	495	4.2	285					
	12:00	2325	449	70	68	8/64"	498	4.2	286					
	12:00	2325	449	Opened on 2nd Rate 10/64"	Choke					28.62	.62	1.49		
	12:30	2277	449	70	68	10/64"	500	9.9	442					
	13:00	2265	449	69	67	10/64"	502	9.8	442					
	13:30	2261	449	69	66	10/64"	510	9.6	442					
	14:00	2260	449	69	68	10/64"	510	10.0	447	29.87	1.25	3.02		
	14:00		449	Opened on 3rd Rate 13/64"										
	14:30	2168	449	69	70	13/64"	512	25.2	715					
	15:00	2124	449	70	69	13/64"	517	25	715					
	15:30	2107	449	70	69	13/64"	520	24.5	706					