

TYPE ANALYSIS	Pod	Mass Spec.	Chromatograph	Other	Analysis No. 40931
Sample From Pacheco Federal Well #1					
Owner Gulf Oil Corp.				State NM	County Eddy
Location of Field Undesignated		Formation Morrow		Depth	From To

Date Secured 12-20-77	Secured by Hicks	Department	
Date Run 12-21-77	Run by Zahir	Checked by	
Source Press.	Bomb Press.	Source Temp.	Atmos. Temp.

BTU @ 14.696	Actual	Calculated, Dry 1054.18	SP. GR. @ 14.696 & 60° F	Actual	Calculated .623
Hydrogen Sulphide as grs. H ₂ S / 100 SCF	.11	Mercaptan as grs. Sulfur/100 SCF	0	Total	.11 Sweet
VAPOR PRESS. @ 100° F	Actual, Reid	Calculated			

COMPONENT	MOLE %	GPM	LIQ. VOL. %
Helium HE ₂			
Hydrogen Sulphide H ₂ S			
Carbon Dioxide CO ₂	2.04		
Nitrogen N ₂	1.12		
Methane C ₁	89.89		
Ethane C ₂	4.81		
Propane C ₃	1.55	.426	
Iso Butane IC ₄	.20	.065	
Normal Butane C ₄	.28	.088	
Iso Pentane IC ₅	.07	.026	
Normal Pentane C ₅	.04	.014	
Hexane C ₆			
Heptane C ₇			
	100.00	.619	

DISTRIBUTION

HE	CLM	ES
CLM	JCS	Sam Smith
JWC	TD	Res Eng. - Test Section
AJD	RTW	File

ENGLER	
IBP	% @ 96
5	% @ 140
10	% @ 275
20	End Point
30	Recovery
40	Residue
50	Loss
60	
70	
80	
90	

REMARKS

Sec 31, T19S, R28E