

HYDROCARBON ANALYSIS

Form 14-18 (Rev. 12-65)

PERMIAN DIVISION
LABORATORY

TYPE ANALYSIS	Pod	Mass Spec.	Chromatograph	Other	Analysis No. 43820
Sample From Rio State #2					
Owner Mesa Petroleum Co.				State NM	County Eddy
Location of Field		Formation Morrow	Depth	From	To

Date Secured 8-15-79	Secured by Swartz	Department
Date Run 8-16-79	Run by Martin	Checked by
Source Press.	Bomb Press.	Source Temp.
		Atmos. Temp.

BTU @ 14.696	Actual	Calculated, Dry	SP. GR. @ 14.696 & 60° F	Actual	Calculated
		1037.09			.586
Hydrogen Sulphide as grs. H ₂ S/100 SCF		Mercaptan as grs. Sulfur/100 SCF		Total	Sweet
.10		.06		.16	
VAPOR PRESS. @ 100° F	Actual, Reid	Calculated			

COMPONENT	MOLE %	GPM	LIQ. VOL. %
Helium HE ₂			
Hydrogen Sulphide H ₂ S			
Carbon Dioxide CO ₂	.75		
Nitrogen N ₂	.41		
Methane C ₁	95.13		
Ethane C ₂	2.88		
Propane C ₃	.57	.157	
Iso Butane IC ₄	.11	.036	
Normal Butane C ₄	.09	.028	
Iso Pentane IC ₅	.04	.015	
Normal Pentane C ₅	.02	.007	
Hexane C ₆			
Heptane C ₇			
	100.00	.243	

DISTRIBUTION

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

REMARKS

Sec 36
TWP 18
Rge 24
Unit J

HH	Res. Engr. Test Sect.	HOW
REJ	LB	RTW
SS	AJD	ES
JWC	CLW	File