



PRECISION SERVICE INC.

Flow Measurement Engineers

Analysis Results Summary

Casper, WY 82601

Run No. 402-2
Date Run 04/02/84
Date Sampled 04/01/84

Analysis For: BENNETT & CATHEY WRLN.

Lease: Pecos State #13 St#2

Location: Pecos Slope

Purpose: Well Test

Sampling Temp. 52 °F

Volume/day 2151 MCF

Pressure on Bomb 100

Producer: Maralo, Inc.

County: Chaves State: New Mexico

Sampled By: B & C Wrln.

Atmos Temp. 50 °F

Formation: ABO

PSIG, Line Pressure 113.2 PSIA PSIG

Gas Component

Analysis

Press. Base: 14.73

	Mol. %	Liq. %	GPM Per MCF
Carbon Dioxide CO ₂	<u>2.962</u>		
Oxygen O ₂	<u>.074</u>		
Nitrogen N ₂	<u>6.100</u>		
Hydrogen Sulfide H ₂ S			
Methane C ₁	<u>83.135</u>		<u>14.058</u>
Ethane C ₂	<u>4.300</u>		<u>1.147</u>
Propane C ₃	<u>1.752</u>		<u>.482</u>
Iso-Butane IC ₄	<u>.296</u>		<u>.097</u>
Nor-Butane NC ₄	<u>.624</u>		<u>.196</u>
Iso-Pentane IC ₅	<u>.211</u>		<u>.077</u>
Nor-Pentane NC ₅	<u>.234</u>		<u>.085</u>
Hexanes plus	<u>.312</u>		<u>.144</u>
Hexanes C ₆			
Heptanes			
Heptanes Plus C ₇ +			
Total	<u>100.000</u>		<u>16.286</u>
Pentane + G.P.M.			<u>.305</u>
Propane + GPM			<u>1.080</u>
6-lb Gasoline			<u>.886</u>

BTU Dry 1029
BTU Wet 1028
Calc. Specific Gravity .678

@ Std. Press. 14.696

BTU Dry 1027
BTU Wet 1009

Calc. Vap. Press. #/Sq.In.

Reid Vap. Press. #/Sq.In.

Z Factor .9976
N Value 1.3007
Ave Mol Wt 19.6075
Ave Cu Ft/Gal

Run by Joe H. Kroum

Calculated By Jeffrey A. Propp

Ethane + GPM 2.227

Remarks: BTU Wet adjusted to flowing conditions as established by FERC Order #93/93-A and calculated per GPA Reference Bulletin 181-82.

Distribution: