



PRECISION SERVICE INC.

Flow Measurement Engineers

Analysis Results Summary

Casper, WY 82601

Run No. 1220-5

Date Run 12/20/85

Date Sampled 12/13/85

Analysis For MESA PETROLEUM COMPANY
 Lease: Sink Fed #2 St#509043 Producer Mesa Petroleum Company
 Location Vandagriff County Eddy State New Mexico
 Purpose Semi Annual Sampled By JRB
 Sampling Temp. 45 °F Atmos Temp. °F
 Volume/day Formation Morrow
 Pressure on Bomb 97 PSIG; Line Pressure 110.2 PSIA PSIG

Gas Component

Analysis

Press. Base: 14.73

	Mol. %	Liq. %	GPM Per MCF
Carbon Dioxide CO ₂	<u>1.122</u>		
Oxygen O ₂			
Nitrogen N ₂	<u>.737</u>		
Hydrogen Sulfide H ₂ S			
Methane C ₁	<u>88.528</u>		<u>15.005</u>
Ethane C ₂	<u>5.039</u>		<u>1.348</u>
Propane C ₃	<u>2.164</u>		<u>.596</u>
Iso-Butane IC ₄	<u>.350</u>		<u>.115</u>
Nor-Butane NC ₄	<u>.960</u>		<u>.303</u>
Iso-Pentane IC ₅	<u>.315</u>		<u>.115</u>
Nor-Pentane NC ₅	<u>.328</u>		<u>.119</u>
Hexanes plus	<u>.457</u>		<u>.211</u>
Hexanes C ₆			
Heptanes			
Heptanes Plus C ₇ +			
Total	<u>100.000</u>		<u>17.811</u>
Pentane + G.P.M.			<u>.445</u>
Propane + GPM			<u>1.458</u>
5-lb Gasoline			<u>.679</u>

BTU Dry 1137
 BTU Wet 1117
 Calc. Specific Gravity .659

@ Std. Press. 14.696

BTU Dry 1134
 BTU Wet 1115

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

Reid Vap. Press. #/Sq.In.

Z Factor .9973
 N Value 1.2928
 Ave Mol Wt 19.0553
 Ave Cu Ft/Gal

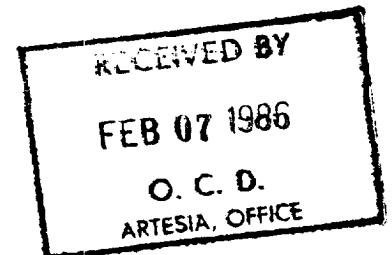
Run by Jeffrey A. Propp

Calculated By Jeffrey A. Propp

Ethane + GPM 2.806

Remarks:

Distribution:



4/Part