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PRECISION SERVICE INC. RECEIVED

Flow Measurement Engineers

Analysis Results Summary

Casper, WY 82601

JAN 20 1983

Run No. 9-1
Date Run 12-14-82
Date Sampled 12-13-82

C. C. D.
ARTESIA, OFFICE

Analysis For: MESA PETROLEUM COMPANY
Lease: Ogden State #2-E St. #1939 Producer: Mesa Petr. Co.
Location: White City County: EDDY State: NEW MEXICO
Purpose: Deliverability Test Sampled By: J.A.P.
Sampling Temp.: 71 °F Atmos Temp.: 34 °F
Volume/day: 2,724 MCF/D Formation: _____
Pressure on Bomb: 461 PSIG: Line Pressure 461 PSIG

Gas Component			Analysis	Press. Base: 15.025
	Mol. %	Liq. %	GPM Per MCF	
Carbon Dioxide CO ₂	.810			BTU Dry <u>1031</u>
Oxygen O ₂				BTU Wet <u>1013</u>
Nitrogen N ₂	.740			Calc. Specific Gravity <u>.587</u>
Hydrogen Sulfide H ₂ S				
				@ Std. Press. 14.696
Methane C ₁	97.103		16.458	BTU Dry <u>1009</u>
Ethane C ₂	1.126		.300	BTU Wet <u>991</u>
Propane C ₃	.139		.038	Specific Gravity <u>.574</u>
Iso-Butane IC ₄	.027		.009	Calc. Vap. Press. #/Sq.In. _____
Nor-Butane NC ₄	.028		.009	Reid Vap. Press. #/Sq.In. _____
Iso-Pentane IC ₅	.015		.006	Z Factor <u>.9980</u>
Nor-Pentane NC ₅	.012		.004	N Value <u>1.3068</u>
				Ave Mol Wt <u>16.5935</u>
Hexanes C ₆				
Hexanes				
Heptanes Plus C ₇ +				Run by <u>J.A.P.</u>
Total	100.000		16.824	Calculated By <u>J.A.P.</u>
Pentane + G.P.M.			.010	
PROPANE + G.P.M.			.066	

Remarks: Sample taken as per Oil Conservation Commission requirements for determination of CO₂ & N₂, for deliverability.

Distribution: _____