



WOLF PETRO LAB, INC.

DIAL EMERSON 6-9701
DIAL EMERSON 6-7171

2411 WEST 42ND STREET

P. O. BOX 643
ODESSA, TEXAS

79760

HYDROCARBON ANALYSIS

LABORATORY REPORT

Bass Enterprises
Charge Production Comp
Test No. WPL-78-453
Date of Run 5-1-78
Date Received 4-28-78

Sample of Gas from Separator- Big Eddy Unit NO. 60
Secured from Lone Springs Formation
At Eddy County, New Mexico Secured by J. Wolf
Purpose Time Date 4-28-78

Sampling Conditions: Wellhead Pressure 1100 psig
Separator Pressure 600 psig

CHROMATOGRAPH ANALYSIS

	Gas Vol. or Mol. %	Liquid Vol. %	GPM
Hydrogen Sulfide	.83		
Carbon Dioxide	12.34		
Nitrogen	1.04		
Oxygen			
Methane	70.63		
Ethane	8.33		
Propane	3.57		1.01
Iso-Butane	.48		.16
N-Butane	1.02		.32
Iso-Pentane	.31		.11
N-Pentane	.31		.11
Iso-Hexane			
N-Hexane			
Pentanes (2)			
Hexanes (2)	.44		.19
Heptane (2)			
TOTAL	100.00		1.90

(1) and lighter
(2) and heavier

ANALYSIS INFORMATION

Volume of Sample cc. @ °
Sp. Gr. Residue Vol. of Residue c
Molecular Wgt. of Residue
Gal/lb. Mol.

VAPOR PRESSURE

Calculated lbs. @ 100°
lbs. @ 100°

GASOLINE CONTENT

Gasoline	.615	G. P. I.
Propane	1.010	G. P. I.
Butanes	.275	G. P. I.
TOTAL	1.900	G. P. I.

SULFUR DETERMINATION

Hydrogen Sulfide	H ₂ S	518.40	grs/100 SC
Mercaptans	RSH	8.23	grs/100 SC
Sulfides	RSR	1.80	grs/100 SC
Residual Sulfides	RSSR	.25	grs/100 SC
Total Sulfides		528.68	grs/100 SC

OTHER DATA

	(Calc)	Wet Basis	Dry Basis
BTU Content (Actual)		1029	1047
Sp. Gravity (Actual)			
A. P. I. Gr. (Actual)			

Run by: J. Wolf Checked by: J. Wolf Approved:

Additional Data and Remarks

COPIES

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1- File