



WOLF PETRO LAB, INC.

DIAL EMERSON 6-9701
DIAL EMERSON 6-7171

2411 WEST 42ND STREET

P. O. BOX 543
ODESSA, TEXAS

79760

to Joe Ramey

PO Box 1980

Wolfe 88240

HYDROCARBON ANALYSIS

LABORATORY REPORT

Exxon

Charge Company, U.S.A.

Test No. *WPL-74-1681*

Date of Run *12-31-74*

Date Received *12-30-74*

from H. Ramey

A Sample of Gas From High Stage Separator - Fairview Mills Federal No. 1

Secured from Wolfcamp Formation

At Lea County, New Mexico

Secured by J. Wolf

Purpose _____ Time _____ Date 12-30-74

Sampling Conditions: Separator Pressure 400 psig @ 90° F.
Gas Volume 5.2 HCF/D
4th Point of Test

CHROMATOGRAPH ANALYSIS

	Gas Vol. or Mol. %	Liquid Vol. %	GPM
Hydrogen Sulfide			
Carbon Dioxide	<u>.26</u>		
Air			
Nitrogen	<u>1.15</u>		
Oxygen			
Methane	<u>80.05</u>		
Ethane	<u>10.65</u>		
Propane	<u>4.61</u>		<u>1.26</u>
Iso-Butane	<u>.73</u>		<u>.24</u>
N-Butane	<u>1.37</u>		<u>.43</u>
Iso-Pentane	<u>.34</u>		<u>.12</u>
N-Pentane	<u>.38</u>		<u>.14</u>
Iso-Hexane			
N-Hexane			
Pentanes (2)			
Hexanes (2)	<u>.46</u>		<u>.20</u>
Heptane (2)			
TOTAL	<u>100.00</u>		<u>2.39</u>

(1) and lighter
(2) and heavier

ANALYSIS INFORMATION

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

VAPOR PRESSURE

Calculated _____ lbs. @ 100° F
_____ lbs. @ 100° F

GASOLINE CONTENT

<u>26/70</u>	Gasoline	<u>.69</u>	G. P. M.
<u>100 %</u>	Propane	<u>1.26</u>	G. P. M.
<u>Excess</u>	Butanes	<u>.44</u>	G. P. M.
	TOTAL	<u>2.39</u>	G. P. M.

SULFUR DETERMINATION

Hydrogen Sulfide	H ₂ S	<u>.0472</u>	grs/100 SCF
Mercaptans	RSH	<u>.1621</u>	grs/100 SCF
Sulfides	RSR	<u>.0450</u>	grs/100 SCF
Residual Sulfides	RSSR	<u>.0050</u>	grs/100 SCF
Total Sulfides		<u>.2593</u>	grs/100 SCF

OTHER DATA

	(cald)	Wet Basis	Dry Basis
BTU Content	(Actual) <u>1211</u>	(Calc.) <u>1233</u>	
Sp. Gravity	(Actual) <u>.7022</u>	(Calc.) <u>.7137</u>	
A. P. I. Gr.	(Actual) _____	(Calc.) _____	

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

Additional Data and Remarks

COPIES

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1 - File