



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

Charge Esso
Company, U.S.A.
Test No. 7-25-1039
Date of Run 7-22-75
Date Received 8-19-75

A Sample of Crude Oil from Upper Penrose No. 3
Secured from Brinkard Formation
At Lea County, New Mexico
Purpose _____ Date 7-25-75 Secured by _____ Time _____
Sampling Conditions _____

DISTILLATION

I B P	110	°F
5%	171	°F
10%	206	°F
20%	268	°F
30%	336	°F
40%	422	°F
50%	515	°F
60%	584	°F
70%	616	°F
75%	662	°F
80%	694	°F
85%	719	°F
90%	735	°F
95%	748	°F
End Point	754	°F
% Residue Residue	2.25	
% Recovery	97.75	
Color		

YIELD

Gasoline 300°F	24.00	%
Gasoline 350°F	7.00	%
Gasoline 400°F	6.50	%
Total Gasoline	37.50	%
Kerosene 525°F	11.00	%
Diesel Fuel 650°F	23.25	%

ASTM OR SPECIAL TESTING

Ash Content	
Acid or Base Numbers	
B. S. & W. (Centrifuge)	
Carbon Residue	
Carbon Residue on 10% Residue	
Cloud and Pour Point to	°F
Doctor Test	
Flash Point (open or closed)	
Fire Point	
Gravity, A. P. I. Hydrometer	40.80 @ 60° F.
Hydrogen Sulfide (Crude Oil)	
Salt Content (Crude Oil)	
Sulfur (lamp method)	3.675 % by weight
Vapor Pressure (Reid)	
Vapor Pressure (N.G.A.A.)	
Vapor Pressure (Lean Oil)	
Viscosity (Saybolt) 100°F	
Viscosity (Saybolt) 210°F	
Viscosity (Index No.)	

Ultra Violet = Indication of Non Association with
Wantz Granite Wash Formation

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

Additional Data and Remarks

COPIES

5 - Mr. Van Temple
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Andrews, Texas 79714
1 - File