



Laboratory Services, Inc.

1331 Tasker Drive
Hobbs, New Mexico 88240

Telephone: (505) 397-3713

FOR: Santa Fe Energy
Attention: Mr. Pete Stull
P. O. Box 2327
Carlsbad, New Mexico 88220

SAMPLE
IDENTIFICATION: Sinagua 18 Fed. #1
COMPANY: Santa Fe Energy
LEASE:
PLANT:

SAMPLE DATA:	DATE SAMPLED:	3-8-94 8:40 AM	GAS (XX)	LIQUID ()
	ANALYSIS DATE:	03-08-94	SAMPLED BY:	Floyd Davis-Pro Well
	PRESSURE - PSIG	440.00	ANALYSIS BY:	Vickie Walker
	SAMPLE TEMP. °F	74.00		
	ATMOS. TEMP. °F			

REMARKS:

COMPONENT ANALYSIS

COMPONENT	MOL PERCENT	GPM	
Hydrogen Sulfide (H2S)			
Nitrogen (N2)	0.38		
Carbon Dioxide (CO2)	0.66		
Methane (C1)	83.32		
Ethane (C2)	8.94	2.377	
Propane (C3)	3.60	0.987	
I-Butane (IC4)	0.53	0.172	
N-Butane (NC4)	0.90	0.283	
I-Pentane (IC5)	0.32	0.113	
N-Pentane (NC5)	0.24	0.086	
Hexane (C6)	1.11	0.479	
Heptanes Plus (C7+)	0.00	0.000	
	100.00	4.496	
BTU/CU.FT. - DRY	1212	MOLECULAR WT.	20.2217
AT 14.650 DRY	1208		
AT 14.650 WET	1187	26# GASOLINE -	0.771
AT 15.025 DRY	1239		
AT 15.025 WET	1217		
AT 14.73 WET			
SPECIFIC GRAVITY -			
CALCULATED	0.698		
MEASURED			

RECEIVED

MAR 14 1994

OGD HOBBS
OFFICE

Equivalent Diameter Program
Author: Bob Murray
Date: December 26, 1990

L1 =	13077 ft.	L5 =	0 ft.	Lt =	13488 ft.
D1 =	1.995 in.	D5 =	1 in.	C =	0.10797
L2 =	411 ft.	L6 =	0 ft.		
D2 =	4.892 in.	D6 =	1 in.	Deff =	2.007 in.
L3 =	0 ft.	L7 =	0 ft.	Fr =	0.01751
D3 =	1 in.	D7 =	1 in.		
L4 =	0 ft.	L8 =	0 ft.		
D4 =	1 in.	D8 =	1 in.		

ILLEGIBLE

RECEIVED

MAR 14 1994

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NEW MIXED G.O.R./G. MIX

NO. OF BBLs PRODUCED 318

API GRAVITY @ 60 DEG. 58.3

SPECIFIC GRAVITY OF GAS 0.6280

XX
TOTAL GAS PRODUCED 275

G.O.R. 73.367

G.MIX 0.737

RECEIVED

MAR 14 1994

OCD HOBBS
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