



Laboratory Services, Inc.

1331 Tasker Drive
Hobbs, New Mexico 88240

Telephone: (505) 397-3713

FOR: Pro Well Testing & Wireline
Attention: Mr. Ray Ables
P. O. Box 791
Hobbs, New Mexico 88241

SAMPLE
IDENTIFICATION: Nasser Fed. #1
COMPANY: Stevens & Stull
LEASE:
PLANT:

SAMPLE DATA:	DATE SAMPLED:	3-29-94 2:30 PM	GAS (XX)	LIQUID ()
	ANALYSIS DATE:	03-30-94	SAMPLED BY:	Ray Ables
	PRESSURE - PSIG	410.00	ANALYSIS BY:	Vickie Walker
	SAMPLE TEMP. °F	110.00		
	ATMOS. TEMP. °F			

REMARKS:

COMPONENT ANALYSIS

COMPONENT	MOL PERCENT	GPM	
Hydrogen Sulfide (H2S)			
Nitrogen (N2)	0.31		
Carbon Dioxide (CO2)	0.47		
Methane (C1)	94.05		
Ethane (C2)	3.75	1.001	
Propane (C3)	0.82	0.224	
I-Butane (IC4)	0.14	0.044	
N-Butane (NC4)	0.14	0.045	
I-Pentane (IC5)	0.07	0.024	
N-Pentane (NC5)	0.04	0.014	
Hexane (C6)	0.21	0.085	
Heptanes Plus (C7+)	0.00	0.000	
	100.00	1.437	
BTU/CU.FT. - DRY	1060	MOLECULAR WT.	17.2855
AT 14.650 DRY	1057		
AT 14.650 WET	1038	26# GASOLINE -	0.138
AT 15.025 DRY	1084		
AT 15.025 WET	1065		
AT 14.73 WET			
SPECIFIC GRAVITY -			
CALCULATED	0.597		
MEASURED			

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COMPANY : STEVENS & TULL LEASE : NASSER FED. WELL NO. : 1
 UNIT : H SECTION : 1 TOWNSHIP : 21
 L : 7865 H : 7865 L/H : 1 G/GMIX : 0.597
 WCO2 : 0.47 WNI : 0.31 H2S : DATE : 03-29-94
 d : 1.934 Fr : 0.018255 GH : 4695.4 RANGE : 21

P12 = 1969.0 Pw = 1405.2
 1329.9 1156.5
 719.4 854.0
 363.9

VOL 1 : 497 PSIA 1 : 1403.2
 VOL 2 : 568 PSIA 2 : 1153.2
 VOL 3 : 635 PSIA 3 : 848.2
 VOL 4 : 701 PSIA 4 : 603.2

RESV. TEMP 145.0
 SHUT-IN PR= 2313.2

Pc2-Pw2= 3376.2 Pw2 = 1974.7
 4013.4 1337.5
 4621.5 729.4

PCR : 672
 TCR : 354

n = 0.959

Pc2/(Pc2-Pw2) = 1.585
 1.333
 1.158

LINE		RATE 1		RATE 2		RATE 3		RATE 4	
		1ST	2ND	1ST	2ND	1ST	2ND	1ST	2ND
1	QM	0.497	0.497	0.568	0.568	0.635	0.635	0.701	0.701
2	TW	534	534	534	534	534	534	534	534
3	Ts	605.0	605.0	605.0	605.0	605.0	605.0	605.0	605.0
4	T	569.5	569.5	569.5	569.5	569.5	569.5	569.5	569.5
	PR (est)	2.09		1.72		1.26		0.90	
5	Z(est)	0.839	0.830	0.857	0.848	0.884	0.876	0.909	0.902
6	TZ	477.7	472.6	488.2	483.1	503.6	499.1	517.5	513.9
7	GH/TZ	9.830	9.935	9.617	9.720	9.323	9.408	9.072	9.137
8	eS	1.446	1.451	1.434	1.440	1.419	1.423	1.405	1.409
9	(-e-S)	0.308	0.311	0.303	0.305	0.295	0.297	0.288	0.290
10	Pt	1403.2	1403.2	1153.2	1153.2	848.2	848.2	603.2	603.2
11	Pc2 / 1000	1969.0	1969.0	1329.9	1329.9	719.4	719.4	363.9	363.9
12	Fr	0.018255	0.018255	0.018255	0.018255	0.018255	0.018255	0.018255	0.018255
13	Fc=FrTZ	8.720	8.627	8.912	8.818	9.194	9.111	9.448	9.381
14	FcQm	4.33	4.29	5.06	5.01	5.84	5.79	6.62	6.58
15	L/H(FcQm)	18.8	18.4	25.6	25.1	34.1	33.5	43.9	43.1
16	Fw	5.790355	5.718382	7.759196	7.663349	10.05572	9.950869	12.64955	12.546372
17	PwL	1974.8	1974.7	1337.6	1337.5	729.5	729.4	376.5	376.4
18	Ps2	2855.0	2866.2	1918.5	1923.8	1034.8	1037.9	529.1	530.2
19	Ps	1689.7	1693.0	1385.1	1387.7	1017.3	1018.3	727.4	728.2
20	P	1546.4	1548.1	1269.2	1270.5	932.7	933.5	665.3	665.7
21	Pr	2.30	2.30	1.89	1.89	1.39	1.39	0.99	0.99
22	Tr	1.61	1.61	1.61	1.61	1.61	1.61	1.61	1.61
23	Z	0.830	0.830	0.848	0.848	0.876	0.876	0.902	0.902

[Pc2/(Pc2-Pw2)]n = 1.555
 1.317
 1.151

AOF= Q 0.773
 0.748
 0.731

FORM C122-D

ILLEGIBLE

Equivalent Diameter Program

Author: Bob Murray

Date: December 26, 1990

L1 = 7778 ft. L5 = 0 ft. Lr = 7365 ft.
D1 = 1.99 in. D5 = 1 in. C = 0.10797

L2 = 87 ft. L6 = 0 ft.
D2 = 4.892 in. D6 = 1 in.
Def = 1.994 in.

L3 = 0 ft. L7 = 0 ft. Fr = 0.02780
D3 = 1 in. D7 = 1 in.

L4 = 0 ft. L8 = 0 ft.
D4 = 1 in. D8 = 1 in.

ILLEGIBLE

STEVENS & TULL
 Nasser Fed, Well # 1
 H-1-21S-21E
 Eddy County, New Mexico
 3-29-94

Pc²-Pw² (thsnbs)

000

Pc² = 5350.9

Q1 = 1000 / Log 3.00000
 Q2 = 110 / Log 2.04139
 N Slope = .45861

00

A.D.F. = 752 MCF/DAY

Q2

00

Q MCF/DAY