

# STATE OF NEW MEXICO

## ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

### OIL CONSERVATION DIVISION ARTESIA DISTRICT OFFICE

GARY E. JOHNSON  
GOVERNOR

JENNIFER SALISBURY  
CABINET SECRETARY

WORK SHEET FOR CALCULATION OF WELLHEAD PRESSURE (P<sub>w</sub> or P<sub>w</sub>)  
FROM KNOWN BOTTOM HOLE PRESSURE (P<sub>f</sub> or P<sub>s</sub>)

FORM C-122F

COMPANY/SANTA FE ENERGY  
UNIT

LEASE : HACKBERRY WELL NO. : 113 #1

DATE : 2/14/78

SECTION :

THICKNESS :

RANGE :

1

10000

1 : 11272

1/4 : 1

G/G MIX : 0.8620

CO2 : 0.2

NO : 3.176

NO2 :

GR : 7462.1

GOR : 664

GOR : 365

LINE		1	2	3	4	5	6	7	8
1	1W(W.H. R)	551	534	534	534	534	534	534	534
2	1s(B.H. R)	646.7	646.7	646.7	646.7	646.7	646.7	646.7	646.7
3	1=(TW+1s/2)	590.4	590.4	590.4	590.4	590.4	590.4	590.4	590.4
4	2=(EST. 1)	0.99	0.885	ERR	ERR	ERR	ERR	ERR	ERR
	1Z	534	523	ERR	ERR	ERR	ERR	ERR	ERR
6	GH/TZ	12.752	14.277	ERR	ERR	ERR	ERR	ERR	ERR
7	eS(TABLE XIV)	1.613	1.708	ERR	ERR	ERR	ERR	ERR	ERR
8	Pf or Ps	4690.5	4690.5	0	0	0	0	0	0
9	Pf1 or Ps2	22000.8	22000.8	0.0	0.0	0.0	0.0	0.0	0.0
10	Pc2=Pf/eS or Pw2=Ps2/eS	13638.2	12980.3	ERR	ERR	ERR	ERR	ERR	ERR
11	Pc or Pw	3693	3589	ERR	ERR	ERR	ERR	ERR	ERR
12	P=(Pw+Ps/2) or (Pc+Pf/2)	4192	4140	ERR	ERR	ERR	ERR	ERR	ERR
13	Pr=(P/Pcr)	6.27	6.19	ERR	ERR	ERR	ERR	ERR	ERR
14	Tr(T/Tcr)	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
15	Z (TABLE XI)	0.885	0.882	ERR	ERR	ERR	ERR	ERR	ERR

PC 1 : 3588.9 PW 2 : ERR PW 3 : ERR PW 4 : ERR

STATE OF NEW MEXICO  
**ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT**

OIL CONSERVATION DIVISION  
ARTESIA DISTRICT OFFICE

GARY E. JOHNSON  
GOVERNOR

JENNIFER SALISBURY  
CABINET SECRETARY

August 12, 1998

Santa Fe Energy Resources, Inc.  
550 West Texas  
Suite 13~~90~~  
Midland, Tx. 79701

Re: **Well Placed In Pool**

Gentlemen/Madams:

As the result of Division Order R-11005, the following described gas well has been placed in the pool shown below. This change in nomenclature has been made in our files. Please change your records to reflect the proper pool name. All subsequent reports must show this nomenclature until further notice.

**Hackberry; Morrow Gas Pool**  
**Hackberry "18" Federal #1**  
**Unit O, Section 18, Township 19 South, Range 31 East, NMPM**  
**Poolcode: 78000**

Transporters are advised by copy of this letter, to change their records to reflect the pool name as established by this order, effective July 9, 1998.

Sincerely,



Bryan Arrant  
District Geologist

Cc: EOTT Energy Corporation  
El Paso Field Services  
Mae  
Santa Fe  
Well file ✓  
BLM