

PRECISION SERVICE, INC.

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P.O. BOX 2604 * ROSWELL, NEW MEXICO 88201 * (505) 622-9874

LET YOUR INTEREST IN MEASUREMENT BE OUR CONCERN

LABORATORY REPORT NUMBER 221-2 GAS ANALYSIS

COMPANY: CIBOLA ENERGY CORP.
PRODUCER: CIBOLA ENERGY CORP.
LEASE: YSLATANI CANYON FED #1

DATE SAMPLED: 02/21/90
DATE RUN: 02/21/90
STATION:

COMPONENT MOLE % 14.696 PSIA 14.730 PSIA

NITROGEN 7.755
CARBON DIOXIDE 0.959
METHANE 80.039
ETHANE 6.144
PROPANE 1.908
ISO-BUTANE 0.789
N-BUTANE 0.621
ISO-PENTANE 0.470
N-PENTANE 0.247
HEXANES PLUS 1.068
TOTAL % 100.000

GPM

1.640 1.643
0.525 0.526
0.258 0.258
0.195 0.196
0.171 0.172
0.089 0.089
0.464 0.465

ETHANE PLUS 11.247
PROPANE PLUS 5.103
BUTANES PLUS 3.195
PENTANES PLUS 1.785

3.342 3.349
1.702 1.706
1.177 1.180
0.724 0.726

TOTAL REAL BTU / CU. FT. (DRY)
TOTAL REAL BTU / CU. FT. (WET)

1098 1100
1078 1081

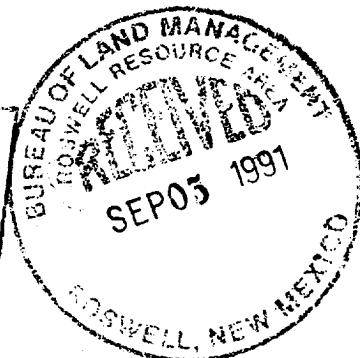
REAL SPECIFIC GRAVITY 0.708
IDEAL SPECIFIC GRAVITY 0.706

Z FACTOR 0.9973
MOLECULAR WEIGHT 20.5035

(ALL VALUES CALCULATED AT 60 DEG. F)

SAMPLED BY: H. YATES
LOCATION: TULAROSA
COUNTY: OTERO
STATE: NEW MEXICO
PRES. PSIG: 0.25
TEMP (DEG F): 50
SPEC. GRAVITY:
ZONE: ATOKA
VOLUME MCF/D:

ACCEPTED FOR RECORD
PETER W. CHESTER
SEP 9 1991
BUREAU OF LAND MANAGEMENT
ROSWELL RESOURCE AREA



RUN BY: JEFFREY A. PROPP
APPROVED BY: J. A. PROPP