

30-039-24086



2030 AFTON PLACE
FARMINGTON, N.M. 87401

(505) 325-6622

ANALYSIS NO. MA240260

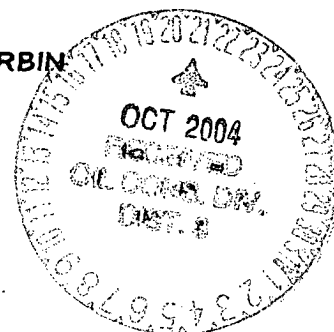
CUST. NO. 51100 - 11490

WELL/LEASE INFORMATION

CUSTOMER NAME BLACK HILLS E & P/MALLON
WELL NAME JIC 458 #2
COUNTY/ STATE RIO ARRIBA NM
LOCATION O07-30N-03W
FIELD
FORMATION OA
CUST.STN.NO.

SOURCE BRADENHEAD
PRESSURE 40 PSIG
SAMPLE TEMP DEG.F
WELL FLOWING N
DATE SAMPLED 10/7/04
SAMPLED BY BOB DURBIN
FOREMAN/ENGR.

REMARKS BRADENHEAD SAMPLE



ANALYSIS

COMPONENT	MOLE %	GPM**	B.T.U.*	SP.GR *
NITROGEN	1.789	0.0000	0.00	0.0173
CO2	0.005	0.0000	0.00	0.0001
METHANE	94.210	0.0000	953.69	0.5219
ETHANE	3.170	0.8473	56.23	0.0329
PROPANE	0.454	0.1250	11.45	0.0069
I-BUTANE	0.095	0.0311	3.10	0.0019
N-BUTANE	0.098	0.0309	3.20	0.0020
I-PENTANE	0.046	0.0168	1.84	0.0011
N-PENTANE	0.027	0.0098	1.08	0.0007
HEXANE PLUS	0.106	0.0466	5.45	0.0034
TOTAL	100.000	1.1075	1,036.04	0.5882

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

** @ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z) 1.0022
BTU/CU.FT (DRY) CORRECTED FOR (1/Z) 1,038.4
BTU/CU.FT (WET) CORRECTED FOR (1/Z) 1,022.7
REAL SPECIFIC GRAVITY 0.5894

ANALYSIS RUN AT 14.730 PSIA & 60 DEGREES F

DRY BTU @ 14.650 1,032.7
DRY BTU @ 14.696 1,036.0
DRY BTU @ 14.730 1,038.4
DRY BTU @ 15.025 1,059.2

CYLINDER # 4195
CYLINDER PRESSURE 41 PSIG
DATE RUN 10/11/04
ANALYSIS RUN BY DAWN BLASSINGAI