

Randleman #1B

30-045-31932

725 FNL , 2390 FWL
Unit C, Section 13, T31N, R11W
San Juan County, NM

LAT: 36 Deg. 54.22 Min.

LONG: 107 Deg. 56.54 Min.

GL = 5,862'

KB= 5,874'

Current Wellbore

Surface Casing:

9-5/8" 32.3#
Set @ 144'
TOC @ Surface

Intermediate Casing:

7" 20.0# J-55
Set @ 2,752'
TOC @ Surface

DV TOOL (7") @ 1,884'
DV TOOL (4 1/2") @ 1,895'

Tubing String:

2 3/8" 4.7# J-55
Set @ 6,653'
F-Nipple at 6627'
3 7/8" bit on bottom
Bit sub, tail jt, f-nipple, 2' pup
Tail jt above bit sub perforated
with 40 shots

DV TOOL (4 1/2") @ 4,030'

Production Casing/Liner:

4-1/2" 11.6# N80
Set At: 4,124'
TOC At: Surface

Stretch calculations show
tubing to be stuck at 5400'
assume to be debris blown up
hole, has sealed off casing from
5400' to surface

Open Hole Section
6 1/4"

Casing TD= 4,124'
TD= 6,910'

Ojo Alamo	0,899'
Kirtland	0,979'
Fruitland	2,149'
Pictured Cliffs	2,529'
PC.main	0,000'
Lewis	0,000'
Huer.Bent.*	3,239'
Chacra	3,619'
Upper Cliff House	
Mass.Cliff House	4,139'
Menefee	4,334'
Point Lookout	4,774'
Mancos	5,109'
Gallup	6,170'
Greenhorn	6,764'
Graneros	6,817'
Dakota	6868

19' of 1 11/16" guns stuck in hole in
bottom joint



2030 AFTON PLACE
FARMINGTON, N.M. 87401
(505) 325-6622

ANALYSIS NO. BU240045
CUST. NO. 52100 - 16975

WELL/LEASE INFORMATION

CUSTOMER NAME BURLINGTON RESOURCES
WELL NAME RANDLEMAN 1B
COUNTY/ STATE SAN JUAN NM
LOCATION
FIELD
FORMATION MV/DK
CUST.STN.NO.

SOURCE TUBING
PRESSURE 184 PSIG
SAMPLE TEMP DEG.F
WELL FLOWING Y
DATE SAMPLED 6/17/04
SAMPLED BY MATT CRANE
FOREMAN/ENGR.

REMARKS

ANALYSIS

COMPONENT	MOLE %	GPM**	B.T.U.*	SP.GR *
NITROGEN	0.686	0.0000	0.00	0.0066
CO2	2.042	0.0000	0.00	0.0310
METHANE	92.325	0.0000	934.61	0.5115
ETHANE	3.383	0.9042	60.01	0.0351
PROPANE	0.727	0.2002	18.34	0.0111
I-BUTANE	0.210	0.0687	5.33	0.0042
N-BUTANE	0.163	0.0514	4.25	0.0033
I-PENTANE	0.106	0.0388	2.09	0.0026
N-PENTANE	0.052	0.0188	15.73	0.0013
HEXANE PLUS	0.306	0.1346		0.0098
TOTAL	100.000	1.4167	1,047.20	0.6166

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

** @ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z) 1.0024
BTU/CU.FT (DRY) CORRECTED FOR (1/Z) 1,049.9
BTU/CU.FT (WET) CORRECTED FOR (1/Z) 1,034.0
REAL SPECIFIC GRAVITY 0.6181

ANALYSIS RUN AT 14.730 PSIA & 60 DEGREES F

DRY BTU @ 14.650 1,044.2
DRY BTU @ 14.696 1,047.4
DRY BTU @ 14.730 1,049.9
DRY BTU @ 15.025 1,070.9

CYLINDER # BURAO39
CYLINDER PRESSURE 194 PSIG
DATE RUN 6/18/04
ANALYSIS RUN BY JANA CARANTA



2030 ACTON PLACE
FARMINGTON, N.M. 87401
(505) 325-6622

ANALYSIS NO. BU240044
CUST. NO. 52100 - 16970

WELL/LEASE INFORMATION

CUSTOMER NAME	BURLINGTON RESOURCES	SOURCE	CASING
WELL NAME	RANDLEMAN 1B	PRESSURE	464 PSIG
COUNTY/ STATE	SAN JUAN NM	SAMPLE TEMP	DEG.F
LOCATION		WELL FLOWING	Y
FIELD		DATE SAMPLED	6/17/04
FORMATION	MV/DK	SAMPLED BY	MATT CRANE
CUST.STN.NO.		FOREMAN/ENGR.	

REMARKS

ANALYSIS

COMPONENT	MOLE %	GPM**	B.T.U.*	SP.GR *
NITROGEN	0.209	0.0000	0.00	0.0020
CO2	0.728	0.0000	0.00	0.0111
METHANE	81.324	0.0000	823.24	0.4505
ETHANE	10.326	2.7600	183.16	0.1072
PROPANE	4.831	1.3302	121.84	0.0736
I-BUTANE	0.667	0.2182	21.74	0.0134
N-BUTANE	1.183	0.3729	38.68	0.0237
I-PENTANE	0.307	0.1123	12.31	0.0076
N-PENTANE	0.237	0.0858	9.52	0.0059
HEXANE PLUS	0.187	0.0823	9.61	0.0060
TOTAL	100.000	4.9617	1,220.10	0.7011

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

** @ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z)	1.0034
BTU/CU.FT (DRY) CORRECTED FOR (1/Z)	1,224.4
BTU/CU.FT (WET) CORRECTED FOR (1/Z)	1,205.9
REAL SPECIFIC GRAVITY	0.7035

ANALYSIS RUN AT 14.730 PSIA & 60 DEGREES F

DRY BTU @ 14.650	1,217.7
DRY BTU @ 14.696	1,221.5
DRY BTU @ 14.730	1,224.4
DRY BTU @ 15.025	1,248.9

CYLINDER #	BURE1445
CYLINDER PRESSURE	518 PSIG
DATE RUN	6/18/04
ANALYSIS RUN BY	JANA CARANTA



6/21/04

BURLINGTON RESOURCES
WELL ANALYSIS COMPARISON

WELL NAME: RANDLEMAN 1B
STATION NO.:

	MV/DK CASING	MV/DK TUBING
ANALYSIS NO.:	BU240044	BU240045
DATE:	6/17/04	6/17/04
COMPONENT	<u>MOLE %</u>	<u>MOLE %</u>
NITROGEN	0.209	0.686
CO2	0.729	2.042
METHANE	81.324	92.325
ETHANE	10.326	3.383
PROPANE	4.831	0.727
I-BUTANE	0.667	0.210
N-BUTANE	1.183	0.163
I-PENTANE	0.307	0.106
N-PENTANE	0.237	0.052
HEXANE +	0.187	0.306
	<u>100.000</u>	<u>100.000</u>
<u>BTU'S</u>	<u>1224.4</u>	<u>1049.9</u>
<u>GPM</u>	<u>4.9617</u>	<u>1.4167</u>
<u>SPEC. GRAV.</u>	<u>0.7035</u>	<u>0.6181</u>

BURLINGTON RESOURCES
WELL ANALYSIS COMPARISON



LEASE: RANDLEMAN TB
STN. REP.

CASING
DAKOTA

5/27/04
52100- 16945

SMPL DATE	5/19/04	4/5/04	3/22/04	3/5/04	3/3/04
TEST DATE	5/26/04	4/5/04	3/22/04	3/5/04	3/4/04
RUN NR.	BU240032	BU240030	BU240029	BU240017	BU240013
NITROGEN	0.121	0.118	0.119	0.124	16.838
CO2	1.998	2.021	2.028	2.077	1.613
METHANE	92.860	93.067	93.284	93.563	77.699
ETHANE	3.516	3.410	3.306	3.137	2.672
PROPANE	0.784	0.687	0.643	0.545	0.559
I-BUTANE	0.211	0.200	0.189	0.180	0.163
N-BUTANE	0.162	0.146	0.134	0.114	0.127
I-PENTANE	0.098	0.093	0.086	0.085	0.080
N-PENTANE	0.046	0.043	0.038	0.035	0.039
HEXANE +	0.204	0.215	0.173	0.140	0.210
BTU	1,053.2	1,050.4	1,046.1	1,040.6	874.8
GPM	1.4180	1.3562	1.2861	1.1887	1.0972
SP.GRAV.	0.6135	0.6120	0.6093	0.6069	0.6709