



OCD Received 10/28/2020

Well Name: MARTINEZ GC J 1N ; TBG

API #: API # 300453381500

Source: TUBING

Sample Type: GAS

Analysis No: SO200203

Cust No: 15950-12375

Well/Lease Information

Customer Name: BP - SOUTH BHD PROJECT

Well Name: MARTINEZ GC J 1N ; TBG

County/State: NM

Location:

Lease/PA/CA:

Formation:

Cust. Stn. No.: API # 300453381500
86476

Source: TUBING

Well Flowing: Y

Pressure: 88 PSIG

Flow Temp: DEG. F

Ambient Temp: 89 DEG. F

Flow Rate: MCF/D

Sample Method:

Sample Date: 09/25/2020

Sample Time: 1.30 PM

Sampled By: SEAN CASAUS

Sampled by (CO): ABC

Heat Trace: N

Remarks:

Analysis

Component:	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.1727	0.1699	0.0190	0.00	0.0017
CO2	2.2325	2.1969	0.3820	0.00	0.0339
Methane	84.3638	83.0195	14.3440	852.07	0.4673
Ethane	7.2386	7.1233	1.9420	128.10	0.0752
Propane	3.0367	2.9883	0.8390	76.41	0.0462
Iso-Butane	0.6290	0.6190	0.2060	20.45	0.0126
N-Butane	0.8920	0.8778	0.2820	29.10	0.0179
I-Pentane	0.3580	0.3523	0.1310	14.32	0.0089
N-Pentane	0.2681	0.2638	0.0970	10.75	0.0067
Hexane Plus	0.8086	0.7957	0.3620	42.62	0.0268
Total	100.0000	98.4065	18.6040	1173.83	0.6972

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0032
BTU/CU.FT IDEAL: 1176.5
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1180.3
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1159.8
DRY BTU @ 15.025: 1203.9
REAL SPECIFIC GRAVITY: 0.6991

CYLINDER #: 551
CYLINDER PRESSURE: 86 PSIG
ANALYSIS DATE: 10/02/2020
ANALYSIS TIME: 08:03:28 AM
ANALYSIS RUN BY: RICHARD WILSON

GPM, BTU, and SPG calculations as shown above are based on current GPA constants.

GPA Standard: GPA-2261

GC: Danalyzer Model 500

Last Cal/Verify: 10/08/2020

GC Method: C6+ Gas



BP - SOUTH BHD PROJECT
WELL ANALYSIS COMPARISON

Lease: MARTINEZ GC J 1N ; TBG
Stn. No.: API #
Mtr. No.: 86476

TUBING

10/08/2020
15950-12375

Smpl Date: 09/25/2020
Test Date: 10/02/2020
Run No: SO200203

Nitrogen: 0.1727
CO2: 2.2325
Methane: 84.3638
Ethane: 7.2386
Propane: 3.0367
I-Butane: 0.6290
N-Butane: 0.8920
I-Pentane: 0.3580
N-Pentane: 0.2681
Hexane+: 0.8086

BTU: 1180.3
GPM: 18.6040
SPG: 0.6991



OCD Received 10/28/2020

2030 Afton Place
Farmington, NM 87401
(505) 325-6622
GAS

Analysis No: SO200204
Cust No: 15950-12380

Well/Lease Information

Customer Name: BP - SOUTH BHD PROJECT
Well Name: MARTINEZ GC J 1N ; INT
County/State: NM
Location:
Lease/PA/CA:
Formation:
Cust. Stn. No.: API # 300453381500
86476

Source: INTERMEDIATE
Well Flowing: N
Pressure: 82 PSIG
Flow Temp: DEG. F
Ambient Temp: 89 DEG. F
Flow Rate: MCF/D
Sample Method:
Sample Date: 09/25/2020
Sample Time: 1.35 PM
Sampled By: SEAN CASAUS
Sampled by (CO): ABC

Heat Trace: N
Remarks:

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.2762	0.1342	0.0310	0.00	0.0027
CO2	0.0051	0.0025	0.0010	0.00	0.0001
Methane	42.1533	20.4812	7.2130	425.75	0.2335
Ethane	27.6917	13.4547	7.4750	490.06	0.2875
Propane	0.0000	0.0000	0.0000	0.00	0.0000
Iso-Butane	15.4058	7.4853	5.0890	500.98	0.3092
N-Butane	12.3363	5.9939	3.9260	402.45	0.2476
I-Pentane	1.1353	0.5516	0.4190	45.42	0.0283
N-Pentane	0.5707	0.2773	0.2090	22.88	0.0142
Hexane Plus	0.4256	0.2068	0.1920	22.43	0.0141
Total	100.0000	48.5875	24.5550	1909.97	1.1370

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0096
BTU/CU.FT IDEAL: 1914.4
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1932.9
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1899.3
DRY BTU @ 15.025: 1971.6
REAL SPECIFIC GRAVITY: 1.1476

CYLINDER #: 050
CYLINDER PRESSURE: 82 PSIG
ANALYSIS DATE: 10/02/2020
ANALYSIS TIME: 09:05:22 AM
ANALYSIS RUN BY: RICHARD WILSON

GPM, BTU, and SPG calculations as shown above are based on current GPA constants.

GPA Standard: GPA-2261

GC: Danalyzer Model 500

Last Cal/Verify: 10/08/2020

GC Method: C6+ Gas



BP - SOUTH BHD PROJECT
WELL ANALYSIS COMPARISON

Lease: MARTINEZ GC J 1N ; INT
Stn. No.: API #
Mtr. No.: 86476

INTERMEDIATE

10/08/2020
15950-12380

Smpl Date: 09/25/2020
Test Date: 10/02/2020
Run No: SO200204

Nitrogen: 0.2762
CO2: 0.0051
Methane: 42.1533
Ethane: 27.6917
Propane: 0.0000
I-Butane: 15.4058
N-Butane: 12.3363
I-Pentane: 1.1353
N-Pentane: 0.5707
Hexane+: 0.4256

BTU: 1932.9
GPM: 24.5550
SPG: 1.1476