



Well Name: LV HAMNER B-1B; CSG
 API #: 30-045-29980
 Source: CASING
 Sample Type: GAS
 Analysis No: MT20230001
 Cust No: 53785-10110

Well/Lease Information

Customer Name: MUSTANG RESOURCES
 Well Name: LV HAMNER B-1B; CSG
 County/State: SAN JUAN NM
 Location:
 Lease/PA/CA: NMSF080245B
 Formation: MV
 Cust. Stn. No.: 30-045-29980

Source: CASING
 Well Flowing: Y
 Pressure: 43 PSIG
 Flow Temp: DEG. F
 Ambient Temp: 54 DEG. F
 Flow Rate: MCF/D
 Sample Method: Purge & Fill
 Sample Date: 04/14/2023
 Sample Time: 10.44 AM
 Sampled By: R.M
 Sampled by (CO): MUSTANG

Heat Trace: N
 Remarks:

Analysis

Component:	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.3627	0.3523	0.0400	0.00	0.0035
CO2	1.0490	1.0190	0.1800	0.00	0.0159
Methane	73.5694	71.4631	12.5250	743.05	0.4075
Ethane	12.5354	12.1765	3.3670	221.84	0.1301
Propane	6.9079	6.7101	1.9110	173.81	0.1052
Iso-Butane	1.1159	1.0840	0.3670	36.29	0.0224
N-Butane	2.0884	2.0286	0.6610	68.13	0.0419
I-Pentane	0.6687	0.6496	0.2460	26.75	0.0167
N-Pentane	0.5223	0.5073	0.1900	20.94	0.0130
Hexane Plus	1.1803	1.1465	0.5290	62.21	0.0391
Total	100.0000	97.1370	20.0160	1353.02	0.7953

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z):	1.0045	CYLINDER #:	2039
BTU/CU.FT IDEAL:	1356.2	CYLINDER PRESSURE:	43 PSIG
BTU/CU.FT (DRY) CORRECTED FOR (1/Z):	1362.1	ANALYSIS DATE:	04/18/2023
BTU/CU.FT (WET) CORRECTED FOR (1/Z):	1338.4	ANALYSIS TIME:	12:48:59 AM
DRY BTU @ 15.025:	1389.4	ANALYSIS RUN BY:	KERRA GONZALEZ
REAL SPECIFIC GRAVITY:	0.7985		

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: 04/19/2023

GC Method: C6+ Gas



MUSTANG RESOURCES
WELL ANALYSIS COMPARISON

Lease:	LV HAMNER B-1B; CSG	CASING	04/19/2023
Stn. No.:	30-045-29980	MV	53785-10110
Mtr. No.:			

Smpl Date:	04/14/2023	04/07/2020
Test Date:	04/18/2023	04/13/2020
Run No:	MT20230001	MT200005
Nitrogen:	0.3627	2.8520
CO2:	1.0490	0.6371
Methane:	73.5694	65.9728
Ethane:	12.5354	9.9414
Propane:	6.9079	6.7812
I-Butane:	1.1159	2.1254
N-Butane:	2.0884	4.6921
I-Pentane:	0.6687	2.3500
N-Pentane:	0.5223	1.9917
Hexane+:	1.1803	2.6563
BTU:	1362.1	1562.4
GPM:	20.0160	21.2040
SPG:	0.7985	0.9476



Well Name: LV HAMNER B-1B; INTER
 API #: 30-045-29980
 Source: INTERMEDIATE CASING
 Sample Type: GAS
 Analysis No: MT20230003
 Cust No: 53785-10115

Well/Lease Information

Customer Name: MUSTANG RESOURCES	Source: INTERMEDIATE CASING
Well Name: LV HAMNER B-1B; INTER	Well Flowing: Y
County/State: SAN JUAN NM	Pressure: 19 PSIG
Location:	Flow Temp: DEG. F
Lease/PA/CA: NMSF080245B	Ambient Temp: 54 DEG. F
Formation: MV	Flow Rate: MCF/D
Cust. Stn. No.: 30-045-29980	Sample Method:
	Sample Date: 04/14/2023
	Sample Time: 10.50 AM
	Sampled By: R.M
	Sampled by (CO): MUSTANG
Heat Trace: N	
Remarks: PRESSURED WITH HELIUM TO 30 LBS.	

Analysis

Component:	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	1.7493	0.9345	0.1930	0.00	0.0169
CO2	0.0047	0.0025	0.0010	0.00	0.0001
Methane	92.2643	49.2875	15.6740	931.87	0.5111
Ethane	3.9330	2.1010	1.0540	69.60	0.0408
Propane	1.3413	0.7165	0.3700	33.75	0.0204
Iso-Butane	0.2435	0.1301	0.0800	7.92	0.0049
N-Butane	0.2525	0.1349	0.0800	8.24	0.0051
I-Pentane	0.0775	0.0414	0.0280	3.10	0.0019
N-Pentane	0.0472	0.0252	0.0170	1.89	0.0012
Hexane Plus	0.0867	0.0463	0.0390	4.57	0.0029
Total	100.0000	53.4199	17.5360	1060.94	0.6052

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z):	1.0023	CYLINDER #:	2040
BTU/CU.FT IDEAL:	1063.4	CYLINDER PRESSURE:	PSIG
BTU/CU.FT (DRY) CORRECTED FOR (1/Z):	1065.8	ANALYSIS DATE:	04/18/2023
BTU/CU.FT (WET) CORRECTED FOR (1/Z):	1047.3	ANALYSIS TIME:	12:11:02 AM
DRY BTU @ 15.025:	1087.1	ANALYSIS RUN BY:	KERRA GONZALEZ
REAL SPECIFIC GRAVITY:	0.6064		

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: 04/19/2023

GC Method: C6+ Gas



MUSTANG RESOURCES
WELL ANALYSIS COMPARISON

Lease:	LV HAMNER B-1B; INTER	INTERMEDIATE CASING	04/19/2023
Stn. No.:	30-045-29980	MV	53785-10115
Mtr. No.:			

Smpl Date:	04/14/2023	04/07/2020
Test Date:	04/18/2023	04/13/2020
Run No:	MT20230003	MT200006
Nitrogen:	1.7493	1.6765
CO2:	0.0047	0.0322
Methane:	92.2643	91.9029
Ethane:	3.9330	4.1345
Propane:	1.3413	1.4343
I-Butane:	0.2435	0.2658
N-Butane:	0.2525	0.2747
I-Pentane:	0.0775	0.0910
N-Pentane:	0.0472	0.0573
Hexane+:	0.0867	0.1308
BTU:	1065.8	1073.0
GPM:	17.5360	17.5950
SPG:	0.6064	0.6106



Well Name: LV HAMNER B-1B; TBG
 API #: 30-045-29980
 Source: TUBING
 Sample Type: GAS
 Analysis No: MT20230002
 Cust No: 53785-10120

Well/Lease Information

Customer Name:	MUSTANG RESOURCES	Source:	TUBING
Well Name:	LV HAMNER B-1B; TBG	Well Flowing:	Y
County/State:	SAN JUAN NM	Pressure:	1 PSIG
Location:		Flow Temp:	DEG. F
Lease/PA/CA:	NMSF080245B	Ambient Temp:	54 DEG. F
Formation:	MV	Flow Rate:	MCF/D
Cust. Stn. No.:	30-045-29980	Sample Method:	
		Sample Date:	04/14/2023
		Sample Time:	10.40 AM
		Sampled By:	R.M
		Sampled by (CO):	MUSTANG
Heat Trace:	N		
Remarks:	PRESSURED WITH HELIUM TO 30 LBS.		

Analysis

Component:	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	22.2038	6.7638	2.4490	0.00	0.2148
CO2	0.6162	0.1877	0.1050	0.00	0.0094
Methane	60.2085	18.3410	10.2340	608.11	0.3335
Ethane	8.3372	2.5397	2.2360	147.54	0.0866
Propane	4.6536	1.4176	1.2850	117.09	0.0709
Iso-Butane	0.8266	0.2518	0.2710	26.88	0.0166
N-Butane	1.3295	0.4050	0.4200	43.37	0.0267
I-Pentane	0.4248	0.1294	0.1560	17.00	0.0106
N-Pentane	0.3421	0.1042	0.1240	13.71	0.0085
Hexane Plus	1.0577	0.3222	0.4730	55.75	0.0350
Total	100.0000	30.4624	17.7530	1029.45	0.8124

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z):	1.0029	CYLINDER #:	2095
BTU/CU.FT IDEAL:	1031.8	CYLINDER PRESSURE:	PSIG
BTU/CU.FT (DRY) CORRECTED FOR (1/Z):	1034.8	ANALYSIS DATE:	04/18/2023
BTU/CU.FT (WET) CORRECTED FOR (1/Z):	1016.8	ANALYSIS TIME:	12:34:33 AM
DRY BTU @ 15.025:	1055.5	ANALYSIS RUN BY:	KERRA GONZALEZ
REAL SPECIFIC GRAVITY:	0.8144		

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: 04/19/2023

GC Method: C6+ Gas



MUSTANG RESOURCES
WELL ANALYSIS COMPARISON

Lease:	LV HAMNER B-1B; TBG	TUBING	04/19/2023
Stn. No.:	30-045-29980	MV	53785-10120
Mtr. No.:			

Smpl Date:	04/14/2023	04/07/2020
Test Date:	04/18/2023	04/13/2020
Run No:	MT20230002	MT200007
Nitrogen:	22.2038	0.4527
CO2:	0.6162	0.8958
Methane:	60.2085	75.7282
Ethane:	8.3372	11.2777
Propane:	4.6536	6.2753
I-Butane:	0.8266	1.0939
N-Butane:	1.3295	1.8589
I-Pentane:	0.4248	0.6066
N-Pentane:	0.3421	0.4942
Hexane+:	1.0577	1.3167
BTU:	1034.8	1340.9
GPM:	17.7530	19.7970
SPG:	0.8144	0.7834

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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 211341

CONDITIONS

Operator: Mustang Resources LLC 1660 Lincoln Street Denver, CO 80264	OGRID: 373495
	Action Number: 211341
	Action Type: [UF-GA] Gas Analysis (GAS ANALYSIS)

CONDITIONS

Created By	Condition	Condition Date
mkuehling	None	5/3/2023