



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

Analysis No: MT180001
Cust No: 53785-10005

Well/Lease Information

Customer Name: MUSTANG RESOURCES
Well Name: NOE COM 27-2A; BHD
County/State: SAN JUAN NM
Location:
Field:
Formation: FC
Cust. Str. No.: API # 30-045-31391

Source: BRADENHEAD
Well Flowing: Y
Pressure: 16 PSIG
Flow Temp: DEG. F
Ambient Temp: 73 DEG. F
Flow Rate: 0 MCF/D
Sample Method: Purge & Fill
Sample Date: 09/11/2018
Sample Time: 9.35 AM
Sampled By: DON JOHNSON
Sampled by (CO): MUSTANG RESOURCES

Heat Trace: N
Remarks:

Analysis

Component:	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	2.6581	2.6054	0.2930	0.00	0.0257
CO2	0.0862	0.0845	0.0150	0.00	0.0013
Methane	85.2804	83.5890	14.4960	861.33	0.4724
Ethane	6.2693	6.1450	1.6810	110.95	0.0651
Propane	3.3837	3.3166	0.9350	85.14	0.0515
Iso-Butane	0.7572	0.7422	0.2480	24.62	0.0152
N-Butane	0.8391	0.8225	0.2650	27.37	0.0168
I-Pentane	0.2639	0.2587	0.0970	10.56	0.0066
N-Pentane	0.1814	0.1778	0.0660	7.27	0.0045
Hexane Plus	0.2807	0.2751	0.1260	14.80	0.0093
Total	100.0000	98.0168	18.2220	1142.04	0.6684

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0029
BTU/CU.FT IDEAL: 1144.7
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1148.0
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1128.0
DRY BTU @ 15.025: 1171.0
REAL SPECIFIC GRAVITY: 0.6701

CYLINDER #: 4248
CYLINDER PRESSURE: 19 PSIG
ANALYSIS DATE: 09/13/2018
ANALYSIS TIME: 03:23:19 PM
ANALYSIS RUN BY: SHYANN ELLEDGE

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: 09/19/2018

GC Method: C6+ Gas

NMOCB

OCT 01 2018

DISTRICT III



MUSTANG RESOURCES
WELL ANALYSIS COMPARISON

Lease: NOE COM 27-2A; BHD
Stn. No.: API # 30-045-31391
Mtr. No.:

BRADENHEAD
FC

09/19/2018
53785-10005

Smpl Date: 09/11/2018
Test Date: 09/13/2018
Run No: MT180001

Nitrogen: 2.6581
CO2: 0.0862
Methane: 85.2804
Ethane: 6.2693
Propane: 3.3837
I-Butane: 0.7572
N-Butane: 0.8391
I-Pentane: 0.2639
N-Pentane: 0.1814
Hexane+: 0.2807

BTU: 1148.0
GPM: 18.2220
SPG: 0.6701



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

Analysis No: MT180002
Cust No: 53785-10010

Well/Lease Information

Customer Name: MUSTANG RESOURCES
Well Name: NOE COM 27-2A; CSG
County/State: SAN JUAN NM
Location:
Field:
Formation: FC
Cust. Stn. No.: API # 30-045-31391

Source: CASING
Well Flowing: Y
Pressure: 4.5 PSIA
Flow Temp: DEG. F
Ambient Temp: 73 DEG. F
Flow Rate: 80 MCF/D
Sample Method: Purge & Fill
Sample Date: 09/11/2018
Sample Time: 9.45 AM
Sampled By: DON JOHNSON
Sampled by (CO): MUSTANG RESOURCES

Heat Trace: N

Remarks:

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.0907	0.0884	0.0100	0.00	0.0009
CO2	1.4670	1.4295	0.2510	0.00	0.0223
Methane	84.6865	82.5233	14.3950	855.33	0.4691
Ethane	10.4834	10.2156	2.8110	185.52	0.1088
Propane	2.4022	2.3408	0.6640	60.44	0.0366
Iso-Butane	0.3994	0.3892	0.1310	12.99	0.0080
N-Butane	0.2228	0.2171	0.0700	7.27	0.0045
I-Pentane	0.0731	0.0712	0.0270	2.92	0.0018
N-Pentane	0.0265	0.0258	0.0100	1.06	0.0007
Hexane Plus	0.1484	0.1446	0.0660	7.82	0.0049
Total	100.0000	97.4455	18.4350	1133.37	0.6575

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0029
BTU/CU.FT IDEAL: 1136.0
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1139.3
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1119.5
DRY BTU @ 15.025: 1162.1
REAL SPECIFIC GRAVITY: 0.6592

CYLINDER #: 4057
CYLINDER PRESSURE: PSIG
ANALYSIS DATE: 09/13/2018
ANALYSIS TIME: 03:37:27 AM
ANALYSIS RUN BY: SHYANN ELLEDGE

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: 09/19/2018

GC Method: C6+ Gas



MUSTANG RESOURCES
WELL ANALYSIS COMPARISON

Lease: NOE COM 27-2A; CSG
Stn. No.: API # 30-045- 31391
Mtr. No.:

CASING
FC

09/19/2018
53785-10010

Smpl Date: 09/11/2018
Test Date: 09/13/2018
Run No: MT180002

Nitrogen: 0.0907
CO2: 1.4670
Methane: 84.6865
Ethane: 10.4834
Propane: 2.4022
I-Butane: 0.3994
N-Butane: 0.2228
I-Pentane: 0.0731
N-Pentane: 0.0265
Hexane+: 0.1484

BTU: 1139.3
GPM: 18.4350
SPG: 0.6592



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

Analysis No: MT180003
Cust No: 53785-10015

Well/Lease Information

Customer Name: MUSTANG RESOURCES
Well Name: NOE COM 27-2A; TBG
County/State: SAN JUAN NM
Location:
Field:
Formation: FC
Cust. Stn. No.: API # 30-045-31391

Source: TUBING
Well Flowing: Y
Pressure: 20 PSIA
Flow Temp: DEG. F
Ambient Temp: 88 DEG. F
Flow Rate: MCF/D
Sample Method: Purge & Fill
Sample Date: 09/11/2018
Sample Time: 1.45 PM
Sampled By: DON JOHNSON
Sampled by (CO): MUSTANG RESOURCES

Heat Trace: N
Remarks:

Analysis

Component:	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.0872	0.0869	0.0100	0.00	0.0008
CO2	1.4299	1.4255	0.2450	0.00	0.0217
Methane	84.6510	84.3888	14.3870	854.98	0.4689
Ethane	10.6546	10.6216	2.8570	188.55	0.1106
Propane	2.3923	2.3849	0.6610	60.19	0.0364
Iso-Butane	0.3938	0.3926	0.1290	12.81	0.0079
N-Butane	0.2108	0.2101	0.0670	6.88	0.0042
I-Pentane	0.0682	0.0680	0.0250	2.73	0.0017
N-Pentane	0.0254	0.0253	0.0090	1.02	0.0006
Hexane Plus	0.0868	0.0865	0.0390	4.58	0.0029
Total	100.0000	99.6902	18.4290	1131.73	0.6558

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0028
BTU/CU.FT IDEAL: 1134.3
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1137.5
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1117.7
DRY BTU @ 15.025: 1160.3
REAL SPECIFIC GRAVITY: 0.6574

CYLINDER #: 4040
CYLINDER PRESSURE: 21 PSIG
ANALYSIS DATE: 09/13/2018
ANALYSIS TIME: 03:30:41 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: 09/19/2018

GC Method: C6+ Gas



MUSTANG RESOURCES
WELL ANALYSIS COMPARISON

Lease: NOE COM 27-2A; TBG
Stn. No.: API # 30-045- 31391
Mtr. No.:

TUBING
FC

09/19/2018
53785-10015

Smpl Date: 09/11/2018
Test Date: 09/13/2018
Run No: MT180003
Nitrogen: 0.0872
CO2: 1.4299
Methane: 84.6510
Ethane: 10.6546
Propane: 2.3923
I-Butane: 0.3938
N-Butane: 0.2108
I-Pentane: 0.0682
N-Pentane: 0.0254
Hexane+: 0.0868
BTU: 1137.5
GPM: 18.4290
SPG: 0.6574

21969

FIELD SERVICE ORDER (FSO) AND JOB SAFETY ANALYSIS (JSA)

FIELD SERVICE ORDER (FSO) AND JOB SAFETY ANALYSIS (JSA)				
Date 9/26/18	JOB ORDER No.	FWO NO.	CUST CHARGE CODE / PO 3204531391	
Customer Mustang	Location / Lease NWE cam 27 on 20	Rig Name & No. / Ordered By: Don Johnson		
PPE: Steel Toed Boots / Hard Hat / Safety Glasses / Gloves / FRCoveralls / Other:				
JOB SCOPE: Test Seals				
(JSA) STEP DESCRIPTION		SAFETY CONCERNS / POTENTIAL HAZARDS		RECOMMENDED ACTION/SAFETY PROCEDURE
Hook up Hydraulic Test pump Test Seals pack off if needed		pack points		Watch hand placement
Review of Emergency Routes / Assembly Points: Maintenance				
Service Performed / Recommendations: Drove to location. Filled out JSA. Well Head underground hole was had to dig out to get to test point. Hooked up Hydraulic test pump. Tested 11" Flange Seals between 4 1/2 casing slips 1 PFS seal on tubing head. Tested good at 1500 PSI. Tested 7" Seals at 2,000 PSI. Tested good. Filled hole back up. Drove back to shop.				
Additional Equipment Used at this Job or Returned to ASSI Facility				
EQP. SN / REN / CPN	Description	QTY	USED FOR JOB/RETRN TO ASSI	
Field Service Related Expense				
Time In: Date 12 day of Sept, 2018 at 1:30 AM / PM			TTL: _____	
Time Out: Date 12 day of Sept, 2018 at 4:30 AM / PM			TTL: _____	
(PID) Description		QTY	COST/PER	Item Total
(83) Field Service Technician (Hours)		3	\$75.00	\$225.00
(86) Service Unit 861 Miles (Round Trip)		34	\$1.80	\$61.20
Hydraulic Test pump		1	\$125.00	\$125.00
LSC meter		1	\$15.00	\$15.00
Service Total:				\$326.20
Customer Satisfaction: 1 - Unsatisfactory 2 - Needs Improvement 3 - Satisfactory 4 - Good 5 - Excellent				
On-Time Delivery and Product Quality: Rate: _____		Customer Comment(s):		
Service / Equipment / Personnel Performance Rate: _____				
Meet Customer Specific Requirements / Expectations: Rate: _____				
I have read and understand the terms of this agreement including the conditions printed on the back and represent that I am fully authorized to execute the same as agent for the customer.				
Customer Signature:	Don Johnson			We Appreciate Your Business! Questions? Please Contact Us At: Antelope Sales & Service Inc. Visit Us At: NMASSI.com 505.327.0918
Customer Print Name:	Don Johnson			
ASSI Representative:	Frank Martinez			