MANLEY GAS TESTING, INC.

P.O. DRAWER 193
OFFICE(432)367-3024 FAX(432)367-1166 ODESSA, TEXAS 79760
E-MAIL: MANLEYGAST@AOL.COM

CHARGE..... 150 - 0
REC. NO. 0
TEST NUMBER.. 23662

DATE SAMPLED..... 04-08-21
DATE RUN..... 04-13-21
EFFEC. DATE..... 05-01-21

STATION NO. ...

PRODUCER ..... DURANGO MIDSTREAM

SAMPLE NAME.... SKELLY INLET TYPE: SPOT

RECEIVED FROM.. FRONTIER FIELD SERVICES LLC - MALJAMAR

FLOWING PRESSURE ..... 28.0 PSIA FLOWING TEMPERATURE ..... 71 F

SAMPLED BY: DD CYLINDER NO. ...

FRACTIONAL ANALYSIS
CALCULATED @ 14.650 PSIA AND 60F

	MOL%	GPM (REAL)
HYDROGEN SULFIDE...	0.600	
NITROGEN.....	2.862	
CARBON DIOXIDE.....	2.080	
METHANE.....	70.084	
ETHANE.....	13.245	3.537
PROPANE.....	6.357	1.748
ISO-BUTANE.....	0.744	0.243
NOR-BUTANE.....	1.883	0.592
ISO-PENTANE.....	0.498	0.182
NOR-PENTANE.....	0.526	0.191
HEXANES +.....	1.121	0.488
TOTALS	100.000	6.981

H2S PPMV = 6000

'Z' FACTOR (DRY) = 0.9958
'Z' FACTOR (WET) = 0.9954

CALC. MOL. WT. = 23.26

..CALCULATED SPECIFIC GRAVITIES..

REAL, DRY 0.8062

REAL, WET 0.8033

..CALCULATED GROSS HEATING VALUES..

BTU/CF - REAL, DRY 1287

BTU/CF - REAL, WET 1266

)ISTRIBUTION AND REMARKS:

)

)NALYZED BY: JT APPROVED: Kc

MANLEY GAS TESTING INC.

120 DOCK ROAD - ODESSA, TEXAS-432-367-3024

A SAMPLE OF DURANGO MIDSTREAM - SKELLY INLET (4/8/21)

CAPILLARY EXTENDED
C-6+ ANALYSIS
(NORMALIZED TO 100%)

COMPONENT	MOL%	WT%
NEOHEXANE	0.202	0.184
2,3DMC4+CYC5	3.989	3.174
2MPENTANE	8.468	7.741
3MPENTANE	5.168	4.725
N-HEXANE	10.505	9.603
2,2 DMPENTANE	0.092	0.098
MCYCLOPENTANE	7.414	6.619
2,4 DMPENTANE	0.246	0.261
2,2,3 TMBUTANE	0.017	0.019
BENZENE	10.216	8.465
3,3 DMPENTANE	0.027	0.029
CYCLOHEXANE	8.176	7.300
2MHEXANE	1.577	1.676
2,3 DMPENTANE	1.369	1.456
3MHEXANE	2.122	2.255
DIMCYCPENTANES(GROUPED)	4.212	4.388
N-HEPTANE	4.146	4.407
MCYCLOHEXANE	6.591	6.866
2,2DMHEXANE	1.170	1.418
2,3,3TMPENTANE	0.000	0.000
TOLUENE	7.483	7.314
2,3DMHEXANE	0.244	0.295
2M3EPENTANE	0.119	0.145
2MHEPTANE	2.041	2.473
4MHEPTANE	0.166	0.201
3,4DMHEXANE	0.000	0.000
3MHEPTANE	0.858	1.040
TRIMCYCPENTANES(GROUPED)	0.184	0.219
DIMCYCHEXANES(GROUPED)	1.436	1.709
N-OCTANE	1.163	1.409
2,3,5TRIMHEXANE	0.070	0.095
2,2,4TRIMHEXANE	0.108	0.147
2,2DIMHEPTANE	0.030	0.041
2,2,3TRIMHEXANE	0.047	0.065
2,5DIMHEPTANE	0.000	0.000
I-NONANE	0.000	0.000
2,4DIMHEPTANE	0.000	0.000
E-CYCHEXANE	0.618	0.736
3,3DIMHEPTANE	0.287	0.390
2,6DIMHEPTANE	0.097	0.132
E-BENZENE	0.160	0.180
2,3DIMHEPTANE	0.000	0.000
M-XYLENE	1.024	1.154
P-XYLENE	0.249	0.281
3,4DIMHEPTANE	0.255	0.347
3EHEPTANE	0.000	0.000

MANLEY GAS TESTING INC.

120 DOCK ROAD - ODESSA, TEXAS-432-367-3024

A SAMPLE OF DURANGO MIDSTREAM - SKELLY INLET (4/8/21)

CAPILLARY EXTENDED
C-6+ ANALYSIS
(NORMALIZED TO 100%)

COMPONENT	MOL%	WT%
4MOCTANE	0.062	0.084
3MOCTANE	0.321	0.437
O-XYLENE	0.124	0.140
IC4CYCPENTANE	0.220	0.294
N-NONANE	0.329	0.447
I-DECANE	0.179	0.270
1E1MCYC6	0.109	0.146
IC3BENZENE	0.260	0.331
2,3DMOCTANE	0.710	1.072
3EOCTANE	1.596	2.409
NC4CYCC6	0.733	1.090
NC3BENZENE	0.230	0.293
M+P E-TOLUENE	0.240	0.306
O-E-TOLUENE	0.231	0.295
2,2DMOCTANE	0.504	0.761
TERTBUTYLBENZENE	0.097	0.138
1,3,5TMBENZENE	0.065	0.083
3,6DMOCTANE	0.160	0.241
IC4BENZENE	0.310	0.441
N-DECANE	0.278	0.419
UNKNOWN C-6'S	0.000	0.000
UNKNOWN C-7'S	0.000	0.000
UNKNOWN C-8'S	0.030	0.036
UNKNOWN C-9'S	0.795	1.082
UNK C10'S THRU C14'S	0.071	0.128
UNK C15'S THRU C16'S	0.000	0.000
UNK C17'S THRU C20'S	0.000	0.000
TOTAL	100.000	100.000

COMPONENT GROUPINGS (PARAFFINS-NAPTHENES-AROMATICS)

	MOL%	WT%
TOTAL C-6'S	54.138	47.811
TOTAL C-7'S	27.882	28.769
TOTAL C-8'S	9.586	11.436
TOTAL C-9'S	3.756	5.015
TOTAL C-10'S	4.567	6.841
TOTAL C-11 THRU C-14	0.071	0.128
TOTAL C-15 THRU C-16	0.000	0.000
TOTAL C-17 THRU C-20	0.000	0.000
TOTAL	100.000	100.000

* C6+ CHARACTERIZATION

MOL.WEIGHT = 94.268
SP.GRAVITY = 3.2548
BTU/FT3(DRY) = 4996.603
BTU/FT3(WET) = 4910.539
CU.FT./GAL = 25.072
GAL/CU.FT. = 0.039885
MOL% C6+ AROMATICS = 20.689

Release Event Report

Date of Report:	09/15/21
Time of Report:	08:30 PM
Durango Midstream Entity:	Frontier Field Services, LLC
Durango Midstream Facility:	Skelly 12" Steel HP Line
Gathering System ID:	Maljamar: 71540 FF 301 B

Release Information

Release Event Type:	Air - Emission Event
If Release Type = Air Emission Event - Please Choose:	Maintenance
Comments:	Natural-H2S Gas Release per blowdown flare.
NMOC Ticket:	
Media Impacted by Release:	Air
Date of Release Discovery:	
Time of Release Discovery:	
Event Start Date:	09/15/21
Event Start Time:	10:05 AM
Event End Date:	09/15/21
Event End Time:	08:05 PM

BLOWDOWN VOLUME CALCULATOR		
Pipe Material	STEEL	
Pipe OD	12"	
WallThickness	0.25	inches
Pressure	450	psig
Pipe Length	22,748	ft
Pipe Volume	9503.2	ft^3
Blowdown Volume	**300.416**	**MCF**

Material Released:	Natural Gas	Field Gas
If other - Specify		

Estimated Quantity of Material Released (Gas & Liquid):	0	BBL	**300.416**	MSCF
Estimated Quantity of Material Recovered:	0	BBL	0	MSCF

Where any Materials Released Off-site?	No
Is the Release Event Reportable?	No
Agency Name Release Reported to:	
Does the Release Require Remediation?	No
Latitude of Spill or Release: (Decimal)	
Longitude of Spill or Release: (Decimal)	
Name of Person Reporting Event:	John Lopez

Cause of the Event:

Skelly HP Launcher Barrel: 12-600 FP Ball Valve Replacement Project.
Skelly Hudson Main Block: 12-600 FP Ball Valve Replacement Project.

Actions Taken to Correct Release Event:

Skelly 12" mainline isolated per LOTO & blown down through flare.

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS

Action 50223

QUESTIONS

Operator: FRONTIER FIELD SERVICES, LLC 10077 Grogans Mill Rd. The Woodlands, TX 77380	OGRID: 221115
	Action Number: 50223
	Action Type: [C-129] Venting and/or Flaring (C-129)

QUESTIONS

Prerequisites	
Any messages presented in this section, will prevent submission of this application. Please resolve these issues before continuing with the rest of the questions.	
Incident Well	*Not answered.*
Incident Facility	**[fAPP2123229442] Frontier Field Services Gathering System**

Determination of Reporting Requirements	
Answer all questions that apply. The Reason(s) statements are calculated based on your answers and may provide addional guidance.	
Was or is this venting and/or flaring caused by an emergency or malfunction	No
Did or will this venting and/or flaring last eight hours or more cumulatively within any 24-hour period from a single event	Yes
Is this considered a submission for a venting and/or flaring event	**Yes, minor venting and/or flaring of natural gas.**
An operator shall file a form C-141 instead of a form C-129 for a release that, includes liquid during venting and/or flaring that is or may be a major or minor release under 19.15.29.7 NMAC.	
Was there or will there be **at least 50 MCF** of natural gas vented and/or flared during this event	Yes
Did this venting and/or flaring result in the release of **ANY** liquids (not fully and/or completely flared) that reached (or has a chance of reaching) the ground, a surface, a watercourse, or otherwise, with reasonable probability, endanger public health, the environment or fresh water	No
Was the venting and/or flaring within an incorporated municipal boundary or withing 300 feet from an occupied permanent residence, school, hospital, institution or church in existence	No

Equipment Involved	
Primary Equipment Involved	*Not answered.*
Additional details for Equipment Involved. Please specify	*Not answered.*

Representative Compositional Analysis of Vented or Flared Natural Gas	
Please provide the mole percent for the percentage questions in this group.	
Methane (CH4) percentage	70
Nitrogen (N2) percentage, if greater than one percent	3
Hydrogen Sulfide (H2S) PPM, rounded up	1
Carbon Dioxide (C02) percentage, if greater than one percent	2
Oxygen (02) percentage, if greater than one percent	0
If you are venting and/or flaring because of Pipeline Specification, please provide the required specifications for each gas.	
Methane (CH4) percentage quality requirement	*Not answered.*
Nitrogen (N2) percentage quality requirement	*Not answered.*
Hydrogen Sufide (H2S) PPM quality requirement	*Not answered.*
Carbon Dioxide (C02) percentage quality requirement	*Not answered.*
Oxygen (02) percentage quality requirement	*Not answered.*

Date(s) and Time(s)	
Date venting and/or flaring was discovered or commenced	09/15/2021
Time venting and/or flaring was discovered or commenced	10:05 AM
Time venting and/or flaring was terminated	08:05 PM
Cumulative hours during this event	10

Measured or Estimated Volume of Vented or Flared Natural Gas	
Natural Gas Vented (Mcf) Details	*Not answered.*

Natural Gas Flared (Mcf) Details	Cause: Midstream Scheduled Maintenance | Pipeline (Any) | Natural Gas Flared | Released: 300 Mcf | Recovered: 0 Mcf | Lost: 300 Mcf]
Other Released Details	*Not answered.*
Additional details for Measured or Estimated Volume(s). Please specify	*Not answered.*
Is this a gas only submission (i.e. only significant Mcf values reported)	**Yes, according to supplied volumes this appears to be a "gas only" report.**

Venting or Flaring Resulting from Downstream Activity	
Was or is this venting and/or flaring a result of downstream activity	No
Was notification of downstream activity received by you or your operator	*Not answered.*
Downstream OGRID that should have notified you or your operator	*Not answered.*
Date notified of downstream activity requiring this venting and/or flaring	*Not answered.*
Time notified of downstream activity requiring this venting and/or flaring	*Not answered.*

Steps and Actions to Prevent Waste	
For this event, the operator could not have reasonably anticipated the current event and it was beyond the operator's control.	False
Please explain reason for why this event was beyond your operator's control	blowdown due to scheduled pipeline repair and it was controlled via flare.
Steps taken to limit the duration and magnitude of venting and/or flaring	scheduled work and temporary flare to minimize emissions.
Corrective actions taken to eliminate the cause and reoccurrence of venting and/or flaring	pipeline repair complete. no reoccurrence of flaring or venting anticipated.

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CONDITIONS

Action 50223

CONDITIONS

Operator: FRONTIER FIELD SERVICES, LLC 10077 Grogans Mill Rd. The Woodlands, TX 77380	OGRID: 221115
	Action Number: 50223
	Action Type: [C-129] Venting and/or Flaring (C-129)

CONDITIONS

Created By	Condition	Condition Date
mtaylor	If the information provided in this report requires an amendment, submit a [C-129] Amend Venting and/or Flaring Incident (C-129A), utilizing your incident number from this event.	9/20/2021