June 22, 2023

FESCO, Ltd. 1100 Fesco Ave. - Alice, Texas 78332

For: Santo Petroleum, LLC P. O. Box 1020

Artesia, New Mexico 88210

Sample: Barney 404H

3 Phase Separator

Spot Gas Sample @ 100 psig & 112 °F

Date Sampled: 05/31/2023 Job Number: 232360.001

CHROMATOGRAPH EXTENDED ANALYSIS - GPA 2286

COMPONENT	MOL%	GPM
Hydrogen Sulfide*	< 0.001	
Nitrogen	0.769	
Carbon Dioxide	0.105	
Methane	69.479	
Ethane	14.823	4.063
Propane	8.348	2.357
Isobutane	1.151	0.386
n-Butane	2.781	0.899
2-2 Dimethylpropane	0.020	0.008
Isopentane	0.641	0.240
n-Pentane	0.714	0.265
Hexanes	0.457	0.193
Heptanes Plus	0.712	0.304
Totals	100.000	8.715

Computed Real Characteristics Of Heptanes Plus:

Specific Gravity	3.424	(Air=1)
Molecular Weight	98.67	
Gross Heating Value	5331	BTU/CF

Computed Real Characteristics Of Total Sample:

Specific Gravity	0.830	(Air=1)
Compressibility (Z)	0.9950	
Molecular Weight	23.92	
Gross Heating Value		
Dry Basis	1455	BTU/CF
Saturated Basis	1430	BTU/CF

^{*}Hydrogen Sulfide tested on location by: Stain Tube Method (GPA 2377)

Results: <0.013 Gr/100 CF, <0.2 PPMV or <0.001 Mol %

Base Conditions: 15.025 PSI & 60 Deg F

Sampled By: (14) D. Turner

Analyst: JS Processor: DS Cylinder ID: T-2279 Certified: FESCO, Ltd. - Alice, Texas

Conan Pierce 361-661-7015

Page 1 of 3

FESCO, Ltd. Job Number: 232360.001

CHROMATOGRAPH EXTENDED ANALYSIS - GPA 2286 TOTAL REPORT

COMPONENT	MOL %	GPM	WT %
Hydrogen Sulfide*	< 0.001		< 0.001
Nitrogen	0.769		0.901
Carbon Dioxide	0.105		0.193
Methane	69.479		46.597
Ethane	14.823	4.063	18.634
Propane	8.348	2.357	15.390
Isobutane	1.151	0.386	2.797
n-Butane	2.781	0.899	6.758
2,2 Dimethylpropane	0.020	0.008	0.060
Isopentane	0.641	0.240	1.933
n-Pentane	0.714	0.265	2.154
2,2 Dimethylbutane	0.007	0.003	0.025
Cyclopentane	0.000	0.000	0.000
2,3 Dimethylbutane	0.047	0.020	0.169
2 Methylpentane	0.139	0.059	0.501
3 Methylpentane	0.076	0.032	0.274
n-Hexane	0.188	0.079	0.677
Methylcyclopentane	0.093	0.034	0.327
Benzene	0.017	0.005	0.056
Cyclohexane	0.108	0.038	0.380
2-Methylhexane	0.026	0.012	0.109
3-Methylhexane	0.029	0.014	0.121
2,2,4 Trimethylpentane	0.019	0.010	0.091
Other C7's	0.061	0.027	0.253
n-Heptane	0.064	0.030	0.268
Methylcyclohexane	0.100	0.041	0.410
Toluene	0.023	0.008	0.089
Other C8's	0.091	0.043	0.419
n-Octane	0.019	0.010	0.091
Ethylbenzene	0.001	0.000	0.004
M & P Xylenes	0.010	0.004	0.044
O-Xylene	0.002	0.001	0.009
Other C9's	0.035	0.018	0.185
n-Nonane	0.005	0.003	0.027
Other C10's	0.007	0.004	0.041
n-Decane	0.001	0.001	0.006
Undecanes (11)	<u>0.001</u>	<u>0.001</u>	<u>0.007</u>
Totals	100.000	8.715	100.000
Computed Real Charact			
Specific Gravity			(Air=1)
Compressibility (Z)		0.9950	
Molecular Weight		23.92	
Gross Heating Value			
Dry Basis			BTU/CF
Saturated Basis		1430	BTU/CF

Page 2 of 3

June 22, 2023

FESCO, Ltd. 1100 Fesco Ave. - Alice, Texas 78332

Sample: Barney 404H

3 Phase Separator

Spot Gas Sample @ 100 psig & 112 °F

Date Sampled: 05/31/2023 Job Number: 232360.001

GLYCALC FORMAT

COMPONENT	MOL%	GPM	Wt %
Carbon Dioxide	0.105		0.193
Hydrogen Sulfide	< 0.001		< 0.001
Nitrogen	0.769		0.901
Methane	69.479		46.597
Ethane	14.823	4.063	18.634
Propane	8.348	2.357	15.390
Isobutane	1.151	0.386	2.797
n-Butane	2.801	0.906	6.818
Isopentane	0.641	0.240	1.933
n-Pentane	0.714	0.265	2.154
Cyclopentane	0.000	0.000	0.000
n-Hexane	0.188	0.079	0.677
Cyclohexane	0.108	0.038	0.380
Other C6's	0.269	0.114	0.969
Heptanes	0.273	0.117	1.078
Methylcyclohexane	0.100	0.041	0.410
2,2,4 Trimethylpentane	0.019	0.010	0.091
Benzene	0.017	0.005	0.056
Toluene	0.023	0.008	0.089
Ethylbenzene	0.001	0.000	0.004
Xylenes	0.012	0.005	0.053
Octanes Plus	<u>0.159</u>	<u>0.080</u>	<u>0.776</u>
Totals	100.000	8.715	100.000

Real Characteristics Of C	octanes Plus:
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Specific Gravity	4.047	(Air=1)
Molecular Weight	116.65	
Gross Heating Value	6109	BTU/CF

Real Characteristics Of Total Sample:

Specific Gravity	0.830	(Air=1)
Compressibility (Z)	0.9950	
Molecular Weight	23.92	
Gross Heating Value		
Dry Basis	1455	BTU/CF
Saturated Basis	1430	BTU/CF

Page 3 of 3

June 26, 2023

FESCO, Ltd. 1100 FESCO Avenue - Alice, Texas 78332

For: Santo Petroleum, LLC P. O. Box 1020 Artesia, New Mexico 88210

Sample: Barney 404H

3 Phase Separator Hydrocarbon Liquid Sampled @ 100 psig & 112 °F

Date Sampled: 05/31/2023 Job Number: 232360.002

CHROMATOGRAPH EXTENDED ANALYSIS - GPA 2186-M

COMPONENT	MOL %	LIQ VOL %	WT %
Nitrogen	0.038	0.007	0.007
Carbon Dioxide	0.014	0.004	0.004
Methane	2.588	0.738	0.286
Ethane	2.907	1.309	0.603
Propane	5.092	2.362	1.549
Isobutane	1.527	0.841	0.612
n-Butane	5.180	2.750	2.077
2,2 Dimethylpropane	0.090	0.058	0.045
Isopentane	2.791	1.719	1.389
n-Pentane	4.024	2.456	2.003
2,2 Dimethylbutane	0.070	0.049	0.041
Cyclopentane	0.000	0.000	0.000
2,3 Dimethylbutane	0.589	0.407	0.350
2 Methylpentane	1.805	1.261	1.073
3 Methylpentane	1.077	0.740	0.640
n-Hexane	3.327	2.304	1.978
Heptanes Plus	<u>68.881</u>	<u>82.993</u>	<u>87.340</u>
Totals:	100.000	100.000	100.000

Characteristics of Heptanes Plus:

Specific Gravity	0.8139	(Water=1)
°API Gravity	42.35	@ 60°F
Molecular Weight	183.8	
Vapor Volume	13.70	CF/Gal
Weight	6.78	Lbs/Gal

Characteristics of Total Sample:

Specific Gravity	0.7734	(Water=1)
°API Gravity	51.46	@ 60°F
Molecular Weight	144.9	
Vapor Volume	16.51	CF/Gal
Weight	6.44	Lbs/Gal

Base Conditions: 15.025 PSI & 60 °F

Certified: FESCO, Ltd. - Alice, Texas

Sampled By: (14) D. Turner Analyst: JL Processor: ANBdjv Cylinder ID: W-0449

Conan Pierce 361-661-7015

Page 1 of 3

FESCO, Ltd. Job Number: 232360.002

TANKS DATA INPUT REPORT - GPA 2186-M

COMPONENT	Mol %	LiqVol %	Wt %
Carbon Dioxide	0.014	0.004	0.004
Nitrogen	0.038	0.007	0.007
Methane	2.588	0.738	0.286
Ethane	2.907	1.309	0.603
Propane	5.092	2.362	1.549
Isobutane	1.527	0.841	0.612
n-Butane	5.270	2.808	2.122
Isopentane	2.791	1.719	1.389
n-Pentane	4.024	2.456	2.003
Other C-6's	3.541	2.457	2.105
Heptanes	8.759	6.053	5.639
Octanes	11.486	8.834	8.457
Nonanes	5.695	5.173	4.979
Decanes Plus	39.253	60.508	65.658
Benzene	0.246	0.116	0.132
Toluene	0.849	0.479	0.539
E-Benzene	0.455	0.295	0.333
Xylenes	1.500	0.976	1.099
n-Hexane	3.327	2.304	1.978
2,2,4 Trimethylpentane	0.638	0.559	0.503
Totals:	100.000	100.000	100.000

Characteristics of Total Sample:

Specific Gravity	100 C	0.7734	(Water=1)
°API Gravity	1	51.46	@ 60°F
Molecular Weight		144.9	
Vapor Volume		16.51	CF/Gal
Weight		6.44	Lbs/Gal

Characteristics of Decanes (C10) Plus:

Specific Gravity	0.8392	(Water=1)
Molecular Weight	242.4	

Characteristics of Atmospheric Sample:

°API Gravity	47.53	@ 60°F
Reid Vapor Pressure Equivalent (D-6377)	9.63	psi

QUALITY CONTROL CHECK			
	Sampling		
	Conditions	Test 9	Samples
Cylinder Number		W-0449	
Pressure, PSIG	100	100	
Skin Temperature, °F	112	112	

^{*} Sample used for analysis

FESCO, Ltd.		Job Number:	232360.002
	TOTAL EXTENDED REPORT - GPA 2186-M		

		· / · 2 · 0 · · · ·	
COMPONENT	Mol %	LiqVol %	Wt %
Nitrogen	0.038	0.007	0.007
Carbon Dioxide	0.014	0.004	0.004
Methane	2.588	0.738	0.286
Ethane	2.907	1.309	0.603
Propane	5.092	2.362	1.549
Isobutane	1.527	0.841	0.612
n-Butane	5.180	2.750	2.077
2,2 Dimethylpropane	0.090	0.058	0.045
Isopentane	2.791	1.719	1.389
n-Pentane	4.024	2.456	2.003
2,2 Dimethylbutane	0.070	0.049	0.041
Cyclopentane	0.000	0.000	0.000
2,3 Dimethylbutane	0.589	0.407	0.350
2 Methylpentane	1.805	1.261	1.073
3 Methylpentane	1.077	0.740	0.640
n-Hexane	3.327	2.304	1.978
Methylcyclopentane	1.512	0.901	0.878
Benzene	0.246	0.116	0.132
Cyclohexane	2.181	1.250	1.267
2-Methylhexane	0.867	0.679	0.599
3-Methylhexane	0.840	0.649	0.581
2,2,4 Trimethylpentane	0.638	0.559	0.503
Other C-7's	1.134	0.845	0.776
n-Heptane	2.225	1.728	1.538
Methylcyclohexane	3.988	2.700	2.702
Toluene	0.849	0.479	0.539
Other C-8's	5.535	4.442	4.209
n-Octane	1.962	1.693	1.546
E-Benzene	0.455	0.295	0.333
M & P Xylenes	1.184	0.773	0.867
O-Xylene	0.317	0.203	0.232
Other C-9's	4.354	3.903	3.793
n-Nonane	1.341	1.271	1.187
Other C-10's	4.680	4.610	4.562
n-decane	1.037	1.072	1.018
Undecanes(11)	4.484	4.532	4.548
Dodecanes(12)	3.370	3.679	3.744
Tridecanes(13)	3.368	3.942	4.066
Tetradecanes(14)	2.832	3.551	3.713
Pentadecanes(15)	2.408	3.235	3.423
Hexadecanes(16)	1.859	2.668	2.848
Heptadecanes(17)	1.694	2.571	2.770
Octadecanes(18)	1.576	2.518	2.729
Nonadecanes(19)	1.393	2.319	2.527
Eicosanes(20)	1.086	1.879	2.061
Heneicosanes(21)	0.935	1.702	1.877
Docosanes(22)	0.802	1.523	1.689
Tricosanes(23)	0.724	1.425	1.589
Tetracosanes(24)	0.613	1.249	1.400
Pentacosanes(25)	0.548	1.158	1.303
Hexacosanes(26)	0.487	1.067	1.206
Heptacosanes(27)	0.458	1.040	1.182
Octacosañes(28)	0.383	0.900	1.026
Nonacosanes(29)	0.338	0.821	0.939
Triacontanes(30)	0.291	0.728	0.836
Hentriacontanes Plus(31+)	3.884	<u>12.318</u>	<u>14.605</u>
Total	100.000	100.000	100.000

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Volumes associated with this C-129 filing are estimations and may be subject to change as data is reconciled. The operator's current practice consists of metering volumes and report in accordance with NMAC 19.15.27.

For inquiries regarding this filing, please contact the operator.

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

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**

DEFINITIONS

Action 344506

DEFINITIONS

Operat	or:	OGRID:
	SPC RESOURCES, LLC	372262
	300 N. Marienfeld St Ste 1000	Action Number:
	Midland, TX 79701	344506
		Action Type:
		[C-129] Venting and/or Flaring (C-129)

DEFINITIONS

For the sake of brevity and completeness, please allow for the following in all groups of questions and for the rest of this application:

- this application's operator, hereinafter "this operator";
- · venting and/or flaring, hereinafter "vent or flare";
- any notification or report(s) of the C-129 form family, hereinafter "any C-129 forms";
- the statements in (and/or attached to) this, hereinafter "the statements in this";
- and the past tense will be used in lieu of mixed past/present tense questions and statements.

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

1220 S. St Francis Dr., Santa Fe, NM 87505

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

QUESTIONS

Action 344506

Phone: (505) 476-3470 Fax: (505) 476-3462		
a	QUESTIONS	
Operator:		OGRID:
SPC RESOURCES, LLC		372262
300 N. Marienfeld St Ste 1000 Midland, TX 79701		Action Number: 344506
		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 v	with the rest of the questions.
Incident Well	Unavailable.	
Incident Facility	[fAPP2130655643] Barne	еу СТВ
Determination of Reporting Requirements		
Answer all questions that apply. The Reason(s) statements are calculated based on your answers a	and may provide addional quidant	ce.
Was this vent or flare caused by an emergency or malfunction	No	
Did this vent or flare last eight hours or more cumulatively within any 24-hour period from a single event	Yes	
Is this considered a submission for a vent or flare event	Yes, minor venting and/o	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		
Was there at least 50 MCF of natural gas vented and/or flared during this event	Yes	-,,
Did this vent or flare 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 vent or flare 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	69	
Nitrogen (N2) percentage, if greater than one percent	1	
Hydrogen Sulfide (H2S) PPM, rounded up	0	
Carbon Dioxide (C02) percentage, if greater than one percent	0	
Oxygen (02) percentage, if greater than one percent	0	
Oxygen (02) percentage, it greater than one percent	0	
If you are venting and/or flaring because of Pipeline Specification, please provide the required specific	cifications 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.	

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

<u>District IV</u> 1220 S. St Francis Dr., Santa Fe, NM 87505

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

QUESTIONS, Page 2

Action 344506

Phone: (505) 476-3470 Fax: (505) 476-3462		
QUEST	TONS (continued)	
Operator: SPC RESOURCES, LLC	OGRID: 372262	
300 N. Marienfeld St Ste 1000	Action Number:	
Midland, TX 79701	344506	
	Action Type: [C-129] Venting and/or Flaring (C-129)	
QUESTIONS		
Date(s) and Time(s)		
Date vent or flare was discovered or commenced	04/29/2024	
Time vent or flare was discovered or commenced	12:00 AM	
Time vent or flare was terminated	11:59 PM	
Cumulative hours during this event	24	
Measured or Estimated Volume of Vented or Flared Natural Gas		
Natural Gas Vented (Mcf) Details	Not answered.	
Natural Gas Flared (Mcf) Details	Cause: Equipment Failure Pipeline (Any) Natural Gas Flared Released: 278 Mcf Recovered: 0 Mcf Lost: 278 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 this vent or flare a result of downstream activity	No.	
Was notification of downstream activity received by this operator	No Not assumed	
Downstream OGRID that should have notified this operator	Not answered. Not answered.	
Date notified of downstream activity requiring this vent or flare	Not answered.	
Time notified of downstream activity requiring this vent or flare	Not answered.	
Steps and Actions to Prevent Waste		
For this event, this operator could not have reasonably anticipated the current event and it was beyond this operator's control.	True	
Please explain reason for why this event was beyond this operator's control	Sales compressor issues	
Steps taken to limit the duration and magnitude of vent or flare	Open valves to divert gas to a second midstream company to relive pressure off the line	
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	Clear consistent communication with midstream provider	

Action 344506

ACKNOWLEDGMENTS

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

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**

ACKNOWLEDGMENTS

Operator:	OGRID:
SPC RESOURCES, LLC	372262
300 N. Marienfeld St Ste 1000	Action Number:
Midland, TX 79701	344506
	Action Type:
	[C-129] Venting and/or Flaring (C-129)

ACKNOWLEDGMENTS

$\overline{\lor}$	I acknowledge that I am authorized to submit a <i>Venting and/or Flaring</i> (C-129) report on behalf of this operator and understand that this report can be a complete C-129 submission per 19.15.27.8 and 19.15.28.8 NMAC.
>	I acknowledge that upon submitting this application, I will be creating a new incident file (assigned to this operator) to track any C-129 forms, pursuant to 19.15.27.7 and 19.15.28.8 NMAC and understand that this submission meets the notification requirements of Paragraph (1) of Subsection G and F respectively.
V	I hereby certify the statements in this report are true and correct to the best of my knowledge and acknowledge that any false statement may be subject to civil and criminal penalties under the Oil and Gas Act.
V	I acknowledge that the acceptance of any C-129 forms by the OCD does not relieve this operator of liability should their operations have failed to adequately investigate, report, and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment.
V	I acknowledge that OCD acceptance of any C-129 forms does not relieve this operator of responsibility for compliance with any other applicable federal, state, or local laws and/or regulations.

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

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**

CONDITIONS

Action 344506

CONDITIONS

Operator:	OGRID:
SPC RESOURCES, LLC	372262
300 N. Marienfeld St Ste 1000	Action Number:
Midland, TX 79701	344506
	Action Type:
	[C-129] Venting and/or Flaring (C-129)

CONDITIONS

Created By	Condition	Condition Date
cmevans	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.	5/15/2024