

**ARMSTRONG GAS LABS, INC.**

P.O. Box 988
 Monahans, Texas 79756
 (432) 943-8844 (FAX) 943-8855

GAS ANALYSIS REPORT

Analysis No.: 152037
 Customer: Permian Resources

<u>Component</u>	<u>Mol. %</u>	(Ideal) <u>BTU</u>	(Ideal) <u>SG</u>	(Real) <u>GPM</u>	
Nitrogen	2.7782	0.000	0.027		
Methane	68.9133	693.846	0.382		
CO2	7.5462	0.000	0.115		
Ethane	10.5874	186.779	0.110	2.827	
H2S	0.3000	0.000	0.004		
Propane	5.6359	141.361	0.086	1.550	
Iso-Butane	0.6866	22.258	0.014	0.224	
Butane	1.8076	58.785	0.036	0.569	
Iso-Pentane	0.4743	18.917	0.012	0.173	
Pentane	0.4793	19.154	0.012	0.173	
Hexanes C6+	0.7912	40.455	0.025	0.345	
Hydrogen	N/A				
Helium	N/A				
Oxygen	N/A				
CO	N/A				
Totals	100.0000	1181.554	0.822	5.861	

Producer: Permian Resources
Well / Sta. Name: WINNEBAGO 30 STATE COM 301H
Sta. No.:
Formation:
Field: New Mexico
County:
API Number: 3002553698

Spot / Composite: SP
 Date / Time On:
 Date / Time Off: 08/25/25
 Date to Lab: 08/26/25
 Date Analyzed: 09/02/25
 Effective Date:

Sample Press. (PSIG): 207
 Line Press. (PSIG): 207
 Sample Temp. (F): 117
 Fl. Gas Temp. (F): 117
 Amb. Temp. (F): 86

Del. To:
 Sampled By: MG
 Cylinder No.: AGL-512

Field H2O (#/mm):

Field H2S (PPM): 3,000.0
 Field H2S (Grains): 188.80

Pressure Base: 14.65**Temp. Base: 60**

Z Factor (Dry): 0.9959946

Z Factor (Act.): 0.9959946

Dry BTU w/ H2S: 1188.22

Sat BTU w/ H2S: 1167.89

As Del. BTU w/ H2S: 1188.22

Dry BTU W/O H2S (Real): 1186.30**Sat. BTU W/O H2S (Real): 1166.01****H2O (# / mmcf): 0.0****AS DEL. BTU W/O H2S (Real): 1186.31***BTU Calc: Dry***Sp. Gravity (Real): 0.8247**

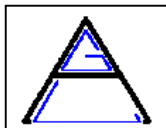
Field Gravity:

Lab Gravitometer:

GPM Ethane+ (Real): 5.861**GPM Propane+ (Real): 3.034****GPM IC5+ (Real): 0.691**

GPA 2145 / 2172

Fld. Remarks:**Lab Remarks:**

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 (432) 943-8844 (FAX) 943-8855

GAS ANALYSIS REPORT

Analysis No.: 252359
 Customer: Permian Resources

<u>Component</u>	<u>Mol. %</u>	<u>(Ideal)</u> <u>BTU</u>	<u>(Ideal)</u> <u>SG</u>	<u>(Real)</u> <u>GPM</u>	
Nitrogen	2.5358	0.000	0.025		
Methane	81.2503	818.059	0.450		
CO2	2.0203	0.000	0.031		
Ethane	5.8707	103.569	0.061	1.566	
H2S	0.0020	0.000	0.000		
Propane	3.7231	93.384	0.057	1.023	
Iso-Butane	0.8817	28.582	0.018	0.288	
Butane	2.0979	68.226	0.042	0.660	
Iso-Pentane	0.4817	19.212	0.012	0.176	
Pentane	0.4777	19.090	0.012	0.173	
Hexanes C6+	0.6588	33.686	0.021	0.287	
Hydrogen	N/A				
Helium	N/A				
Oxygen	N/A				
CO	N/A				
Totals	100.0000	1183.807	0.728	4.173	

Producer: Permian Resources
Well / Sta. Name: RAIDER FEDERAL 301H
Sta. No.:
Formation:
Field: New Mexico
County:
API Number: 3002543401

Spot / Composite: SP
 Date / Time On:
 Date / Time Off: 08/27/25
 Date to Lab: 08/27/25
 Date Analyzed: 08/28/25
 Effective Date:

Sample Press. (PSIG): 74
 Line Press. (PSIG): 74
 Sample Temp. (F): 74
 Fl. Gas Temp. (F): 74
 Amb. Temp. (F): 72

Del. To:
 Sampled By: JH
 Cylinder No.: 91

Field H2O (#/mm):

Field H2S (PPM): 20.0
 Field H2S (Grains): 1.26

Pressure Base: 14.65**Temp. Base: 60**

Z Factor (Dry): 0.9966456

Z Factor (Act.): 0.9966456

Dry BTU w/ H2S: 1187.80

Sat BTU w/ H2S: 1167.46

As Del. BTU w/ H2S: 1187.80

Dry BTU W/O H2S (Real): 1187.79**Sat. BTU W/O H2S (Real): 1167.45****H2O (# / mmcf): 0.0****AS DEL. BTU W/O H2S (Real): 1187.79***BTU Calc: Dry***Sp. Gravity (Real): 0.7300**

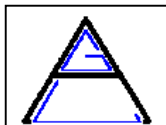
Field Gravity:

Lab Gravitometer:

GPM Ethane+ (Real): 4.173**GPM Propane+ (Real): 2.607****GPM IC5+ (Real): 0.636**

GPA 2145 / 2172

Fld. Remarks:**Lab Remarks:**

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GAS ANALYSIS REPORT

Analysis No.: 252360
 Customer: Permian Resources

<u>Component</u>	<u>Mol. %</u>	(Ideal) <u>BTU</u>	(Ideal) <u>SG</u>	(Real) <u>GPM</u>	
Nitrogen	2.8072	0.000	0.027		Producer: Permian Resources
Methane	76.1264	766.470	0.422		Well / Sta. Name: RAIDER FED COM 301 H SALES CHECK
CO ₂	4.1687	0.000	0.063		Sta. No.:
Ethane	8.4629	149.299	0.088	2.258	Formation:
H ₂ S	0.0020	0.000	0.000		Field: New Mexico
Propane	5.0783	127.375	0.077	1.396	County:
Iso-Butane	0.6044	19.593	0.012	0.197	API Number: N/L
Butane	1.3454	43.754	0.027	0.423	Spot / Composite: SP
Iso-Pentane	0.3896	15.539	0.010	0.142	Date / Time On:
Pentane	0.4147	16.572	0.010	0.150	Date / Time Off: 08/27/25
Hexanes C ₆ +	0.6004	30.699	0.019	0.261	Date to Lab: 08/27/25
					Date Analyzed: 08/28/25
					Effective Date:
Hydrogen	N/A				Sample Press. (PSIG): 75
Helium	N/A				Line Press. (PSIG): 75
Oxygen	N/A				Sample Temp. (F): 83
CO	N/A				Fl. Gas Temp. (F): 83
					Amb. Temp. (F): 72
Totals	100.0000	1169.301	0.756	4.827	Del. To:
					Sampled By: JH
					Cylinder No.: 122

Field H₂O (#/mm):Field H₂S (PPM): 20.0Field H₂S (Grains): 1.26**Pressure Base: 14.65****Temp. Base: 60**

Z Factor (Dry): 0.9965085

Z Factor (Act.): 0.9965085

Dry BTU w/ H₂S: 1173.41Sat BTU w/ H₂S: 1153.32As Del. BTU w/ H₂S: 1173.41**Dry BTU W/O H₂S (Real): 1173.40****Sat. BTU W/O H₂S (Real): 1153.31****H₂O (# / mmcf): 0.0****AS DEL. BTU W/O H₂S (Real): 1173.40***BTU Calc: Dry***Sp. Gravity (Real): 0.7582**

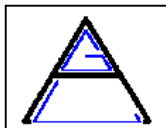
Field Gravity:

Lab Gravitometer:

GPM Ethane+ (Real): 4.827**GPM Propane+ (Real): 2.569****GPM IC₅+ (Real): 0.553**

GPA 2145 / 2172

Fld. Remarks: TAG: NO API PER WHITNEY**Lab Remarks:**

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GAS ANALYSIS REPORT

Analysis No.: 252398
 Customer: Permian Resources

<u>Component</u>	<u>Mol. %</u>	(Ideal) <u>BTU</u>	(Ideal) <u>SG</u>	(Real) <u>GPM</u>	
Nitrogen	1.5647	0.000	0.015		Producer: Permian Resources
Methane	70.6441	711.272	0.391		Well / Sta. Name: CRUNCH BERRY 6 FED COM FMP
CO2	0.1743	0.000	0.003		Sta. No.:
Ethane	12.7799	225.458	0.133	3.415	Formation:
H2S	0.0000	0.000	0.000		Field: New Mexico
Propane	7.6266	191.292	0.116	2.099	County:
Iso-Butane	1.1358	36.819	0.023	0.371	API Number: N/L
Butane	2.8542	92.821	0.057	0.899	Spot / Composite: SP
Iso-Pentane	0.8107	32.334	0.020	0.296	Date / Time On:
Pentane	0.8519	34.043	0.021	0.308	Date / Time Off: 08/25/25
Hexanes C6+	1.5578	79.653	0.050	0.679	Date to Lab: 08/26/25
					Date Analyzed: 09/02/25
					Effective Date:
Hydrogen	N/A				Sample Press. (PSIG): 44
Helium	N/A				Line Press. (PSIG): 44
Oxygen	N/A				Sample Temp. (F): 112
CO	N/A				Fl. Gas Temp. (F): 112
					Amb. Temp. (F): 85
Totals	100.0000	1403.693	0.829	8.067	Del. To:
					Sampled By: IF
					Cylinder No.: 849

Field H2O (#/mm):**Field H2S (PPM):** 0.0

Field H2S (Grains): 0.0

Pressure Base: 14.65**Temp. Base: 60**

Z Factor (Dry): 0.9951700

Z Factor (Act.): 0.9951700

Dry BTU w/ H2S: 1410.51

Sat BTU w/ H2S: 1386.41

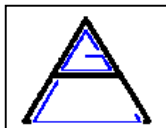
As Del. BTU w/ H2S: 1410.51

Dry BTU W/O H2S (Real): 1410.51**Sat. BTU W/O H2S (Real): 1386.41****H2O (# / mmcf): 0.0****AS DEL. BTU W/O H2S (Real): 1410.51***BTU Calc: Dry***Sp. Gravity (Real): 0.8332**

Field Gravity:

Lab Gravitometer:

GPM Ethane+ (Real): 8.067**GPM Propane+ (Real): 4.652****GPM IC5+ (Real): 1.283****Fld. Remarks: TAG: NO API PER WHITNEY****Lab Remarks:**

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GAS ANALYSIS REPORT

Analysis No.: 252399
 Customer: Permian Resources

<u>Component</u>	<u>Mol. %</u>	(Ideal) <u>BTU</u>	(Ideal) <u>SG</u>	(Real) <u>GPM</u>
Nitrogen	3.7250	0.000	0.036	
Methane	73.8706	743.758	0.409	
CO2	0.6284	0.000	0.010	
Ethane	12.0115	211.902	0.125	3.206
H2S	0.0180	0.000	0.000	
Propane	5.8164	145.888	0.089	1.599
Iso-Butane	0.6601	21.399	0.013	0.216
Butane	1.7237	56.056	0.035	0.542
Iso-Pentane	0.4084	16.289	0.010	0.149
Pentane	0.4163	16.636	0.010	0.151
Hexanes C6+	0.7216	36.897	0.023	0.314
Hydrogen	N/A			
Helium	N/A			
Oxygen	N/A			
CO	N/A			
Totals	100.0000	1248.824	0.760	6.177

Producer: Permian Resources
Well / Sta. Name: WOODY 22 FED COM 503H
Sta. No.:
Formation:
Field: New Mexico
County:
API Number: 3002551396

Spot / Composite: SP
 Date / Time On:
 Date / Time Off: 08/25/25
 Date to Lab: 08/26/25
 Date Analyzed: 09/02/25
 Effective Date:

Sample Press. (PSIG): 85
 Line Press. (PSIG): 85
 Sample Temp. (F): 85
 Fl. Gas Temp. (F): 85
 Amb. Temp. (F): 83

Del. To:
 Sampled By: IF
 Cylinder No.: 750

Field H2O (#/mm):

Field H2S (PPM): 180.0
 Field H2S (Grains): 11.33

Pressure Base: 14.65**Temp. Base: 60**

Z Factor (Dry): 0.9962731

Z Factor (Act.): 0.9962731

Dry BTU w/ H2S: 1253.61

Sat BTU w/ H2S: 1232.15

As Del. BTU w/ H2S: 1253.61

Dry BTU W/O H2S (Real): 1253.50**Sat. BTU W/O H2S (Real): 1232.04****H2O (# / mmcf): 0.0****AS DEL. BTU W/O H2S (Real): 1253.50***BTU Calc: Dry***Sp. Gravity (Real): 0.7624**

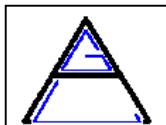
Field Gravity:

Lab Gravitometer:

GPM Ethane+ (Real): 6.177**GPM Propane+ (Real): 2.971****GPM IC5+ (Real): 0.614**

GPA 2145 / 2172

Fld. Remarks:**Lab Remarks: CP @ LAB 63 PSIG**

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GAS ANALYSIS REPORT

Analysis No.: 252400
 Customer: Permian Resources

<u>Component</u>	<u>Mol. %</u>	(Ideal) <u>BTU</u>	(Ideal) <u>SG</u>	(Real) <u>GPM</u>
Nitrogen	3.6764	0.000	0.036	
Methane	72.8525	733.507	0.404	
CO2	0.6126	0.000	0.009	
Ethane	12.5583	221.549	0.130	3.352
H2S	0.0200	0.000	0.000	
Propane	6.2791	157.494	0.096	1.727
Iso-Butane	0.6898	22.361	0.014	0.225
Butane	1.7863	58.092	0.036	0.562
Iso-Pentane	0.4147	16.540	0.010	0.151
Pentane	0.4176	16.688	0.010	0.151
Hexanes C6+	0.6927	35.419	0.022	0.302
Hydrogen	N/A			
Helium	N/A			
Oxygen	N/A			
CO	N/A			
Totals	100.0000	1261.650	0.767	6.470

Producer: Permian Resources
Well / Sta. Name: WOODY 22 FED COM 501H
Sta. No.:
Formation:
Field: New Mexico
County:
API Number: 3002551394

Spot / Composite: SP
 Date / Time On:
 Date / Time Off: 08/25/25
 Date to Lab: 08/26/25
 Date Analyzed: 09/02/25
 Effective Date:

Sample Press. (PSIG): 90
 Line Press. (PSIG): 90
 Sample Temp. (F): 88
 Fl. Gas Temp. (F): 88
 Amb. Temp. (F): 84

Del. To:
 Sampled By: IF
 Cylinder No.: 846

Field H2O (#/mm):

Field H2S (PPM): 200.0
 Field H2S (Grains): 12.59

Pressure Base: 14.65**Temp. Base: 60**

Z Factor (Dry): 0.9961839

Z Factor (Act.): 0.9961839

Dry BTU w/ H2S: 1266.61

Sat BTU w/ H2S: 1244.93

As Del. BTU w/ H2S: 1266.61

Dry BTU W/O H2S (Real): 1266.48**Sat. BTU W/O H2S (Real): 1244.81****H2O (# / mmcf): 0.0****AS DEL. BTU W/O H2S (Real): 1266.48***BTU Calc: Dry***Sp. Gravity (Real): 0.7700**

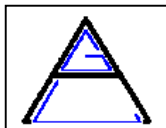
Field Gravity:

Lab Gravitometer:

GPM Ethane+ (Real): 6.470**GPM Propane+ (Real): 3.118****GPM IC5+ (Real): 0.604**

GPA 2145 / 2172

Fld. Remarks:**Lab Remarks: CP @ LAB 69 PSIG**

**ARMSTRONG GAS LABS, INC.**

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GAS ANALYSIS REPORT

Analysis No.: 252401
 Customer: Permian Resources

<u>Component</u>	<u>Mol. %</u>	<u>(Ideal)</u> <u>BTU</u>	<u>(Ideal)</u> <u>SG</u>	<u>(Real)</u> <u>GPM</u>	
Nitrogen	3.3988	0.000	0.033		
Methane	70.3296	708.106	0.390		
CO2	0.7879	0.000	0.012		
Ethane	13.6491	240.792	0.142	3.645	
H2S	0.0300	0.000	0.000		
Propane	7.1440	179.188	0.109	1.965	
Iso-Butane	0.7722	25.033	0.015	0.252	
Butane	2.0438	66.466	0.041	0.643	
Iso-Pentane	0.4729	18.861	0.012	0.173	
Pentane	0.4798	19.174	0.012	0.174	
Hexanes C6+	0.8919	45.604	0.029	0.389	
Hydrogen	N/A				
Helium	N/A				
Oxygen	N/A				
CO	N/A				
Totals	100.0000	1303.223	0.794	7.241	

Producer: Permian Resources
Well / Sta. Name: WOODY 22 FED COM 505H
Sta. No.:
Formation:
Field: New Mexico
County:
API Number: 3002551398

Spot / Composite: SP
 Date / Time On:
 Date / Time Off: 08/20/25
 Date to Lab: 08/26/25
 Date Analyzed: 09/02/25
 Effective Date:

Sample Press. (PSIG): 115
 Line Press. (PSIG): 115
 Sample Temp. (F): 91
 Fl. Gas Temp. (F): 91
 Amb. Temp. (F): 83

Del. To:
 Sampled By: IF
 Cylinder No.: 831

Field H2O (#/mm):

Field H2S (PPM): 300.0
 Field H2S (Grains): 18.88

Pressure Base: 14.65**Temp. Base: 60**

Z Factor (Dry): 0.9958496

Z Factor (Act.): 0.9958496

Dry BTU w/ H2S: 1308.84

Sat BTU w/ H2S: 1286.46

As Del. BTU w/ H2S: 1308.85

Dry BTU W/O H2S (Real): 1308.65**Sat. BTU W/O H2S (Real): 1286.27****H2O (# / mmcf): 0.0****AS DEL. BTU W/O H2S (Real): 1308.65***BTU Calc: Dry***Sp. Gravity (Real): 0.7972**

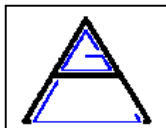
Field Gravity:

Lab Gravitometer:

GPM Ethane+ (Real): 7.241**GPM Propane+ (Real): 3.596****GPM IC5+ (Real): 0.736**

GPA 2145 / 2172

Fld. Remarks:**Lab Remarks: CP @ LAB 88 PSIG**

**ARMSTRONG GAS LABS, INC.**

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GAS ANALYSIS REPORT

Analysis No.: 252430
 Customer: Permian Resources

<u>Component</u>	<u>Mol. %</u>	(Ideal) <u>BTU</u>	(Ideal) <u>SG</u>	(Real) <u>GPM</u>	
Nitrogen	1.4361	0.000	0.014		
Methane	78.4415	789.779	0.434		
CO2	0.1910	0.000	0.003		
Ethane	11.5953	204.560	0.120	3.095	
H2S	0.0000	0.000	0.000		
Propane	4.7858	120.039	0.073	1.316	
Iso-Butane	0.5955	19.304	0.012	0.195	
Butane	1.3721	44.622	0.028	0.432	
Iso-Pentane	0.3553	14.171	0.009	0.130	
Pentane	0.3809	15.221	0.009	0.138	
Hexanes C6+	0.8465	43.283	0.027	0.369	
Hydrogen	N/A				
Helium	N/A				
Oxygen	N/A				
CO	N/A				
Totals	100.0000	1250.979	0.730	5.675	

Producer: Permian Resources
 Well / Sta. Name: PALMILLO 14-15 2H-3H 301H SEP
 Sta. No.:
 Formation:
 Field: New Mexico
 County:
 API Number: N/L

Spot / Composite: SP
 Date / Time On:
 Date / Time Off: 08/25/25
 Date to Lab: 08/28/25
 Date Analyzed: 09/04/25
 Effective Date:

Sample Press. (PSIG): 74
 Line Press. (PSIG): 74
 Sample Temp. (F): 118
 Fl. Gas Temp. (F): 118
 Amb. Temp. (F): 93

Del. To:
 Sampled By: PP
 Cylinder No.: 696

Field H2O (#/mm):**Field H2S (PPM):** 0.0

Field H2S (Grains): 0.0

Pressure Base: 14.65**Temp. Base: 60**

Z Factor (Dry): 0.9963914

Z Factor (Act.): 0.9963914

Dry BTU w/ H2S: 1255.51

Sat BTU w/ H2S: 1234.02

As Del. BTU w/ H2S: 1255.51

Dry BTU W/O H2S (Real): 1255.51**Sat. BTU W/O H2S (Real): 1234.02****H2O (# / mmcf): 0.0****AS DEL. BTU W/O H2S (Real): 1255.51***BTU Calc: Dry***Sp. Gravity (Real): 0.7319**

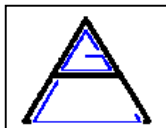
Field Gravity:

Lab Gravitometer:

GPM Ethane+ (Real): 5.675**GPM Propane+ (Real): 2.580****GPM IC5+ (Real): 0.637**

GPA 2145 / 2172

Fld. Remarks: TAG: NO API PER WHITNEY**Lab Remarks:**

**ARMSTRONG GAS LABS, INC.**

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GAS ANALYSIS REPORT

Analysis No.: 252431
 Customer: Permian Resources

<u>Component</u>	<u>Mol. %</u>	(Ideal) <u>BTU</u>	(Ideal) <u>SG</u>	(Real) <u>GPM</u>	
Nitrogen	1.5807	0.000	0.015		Producer: Permian Resources
Methane	78.7346	792.730	0.436		Well / Sta. Name: PALMILLO 14-15 PROD 3-PH SEP. A
CO2	0.3183	0.000	0.005		Sta. No.:
Ethane	11.4147	201.374	0.119	3.046	Formation:
H2S	0.0000	0.000	0.000		Field: New Mexico
Propane	4.6238	115.975	0.070	1.271	County:
Iso-Butane	0.5716	18.530	0.011	0.187	API Number: N/L
Butane	1.3067	42.495	0.026	0.411	Spot / Composite: SP
Iso-Pentane	0.3498	13.951	0.009	0.128	Date / Time On:
Pentane	0.3656	14.610	0.009	0.132	Date / Time Off: 08/26/25
Hexanes C6+	0.7342	37.541	0.024	0.320	Date to Lab: 08/28/25
					Date Analyzed: 09/04/25
					Effective Date:
Hydrogen	N/A				Sample Press. (PSIG): 76
Helium	N/A				Line Press. (PSIG): 76
Oxygen	N/A				Sample Temp. (F): 84
CO	N/A				Fl. Gas Temp. (F): 84
					Amb. Temp. (F): 85
Totals	100.0000	1237.206	0.724	5.495	Del. To:
					Sampled By: PP
					Cylinder No.: 195

Field H2O (#/mm):**Field H2S (PPM):** 0.3

Field H2S (Grains): 0.02

Pressure Base: 14.65**Temp. Base:** 60

Z Factor (Dry): 0.9964758

Z Factor (Act.): 0.9964758

Dry BTU w/ H2S: 1241.58

Sat BTU w/ H2S: 1220.32

As Del. BTU w/ H2S: 1241.58

Dry BTU W/O H2S (Real): 1241.58**Sat. BTU W/O H2S (Real):** 1220.32**H2O (# / mmcf):** 0.0**AS DEL. BTU W/O H2S (Real):** 1241.58*BTU Calc: Dry***Sp. Gravity (Real):** 0.7266

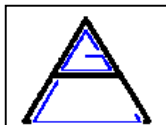
Field Gravity:

Lab Gravitometer:

GPM Ethane+ (Real): 5.495**GPM Propane+ (Real):** 2.449**GPM IC5+ (Real):** 0.580

GPA 2145 / 2172

Fld. Remarks: TAG: NO API PER WHITNEY**Lab Remarks:**

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GAS ANALYSIS REPORT

Analysis No.: 252432
 Customer: Permian Resources

<u>Component</u>	<u>Mol. %</u>	(Ideal) <u>BTU</u>	(Ideal) <u>SG</u>	(Real) <u>GPM</u>
Nitrogen	1.5755	0.000	0.015	
Methane	78.2185	787.534	0.433	
CO2	0.2854	0.000	0.004	
Ethane	11.6013	204.666	0.120	3.096
H2S	0.0000	0.000	0.000	
Propane	4.8200	120.896	0.073	1.325
Iso-Butane	0.6091	19.745	0.012	0.199
Butane	1.4053	45.702	0.028	0.442
Iso-Pentane	0.3680	14.677	0.009	0.134
Pentane	0.3739	14.942	0.009	0.135
Hexanes C6+	0.7430	37.991	0.024	0.324
Hydrogen	N/A			
Helium	N/A			
Oxygen	N/A			
CO	N/A			
Totals	100.0000	1246.153	0.729	5.655

Producer: Permian Resources
Well / Sta. Name: PALMILLO 14-15 TESTER #1
Sta. No.:
Formation:
Field: New Mexico
County:
API Number: N/L

Spot / Composite: SP
 Date / Time On:
 Date / Time Off: 08/26/25
 Date to Lab: 08/28/25
 Date Analyzed: 09/04/25
 Effective Date:

Sample Press. (PSIG): 79
 Line Press. (PSIG): 79
 Sample Temp. (F): 78
 Fl. Gas Temp. (F): 78
 Amb. Temp. (F): 80

Del. To:
 Sampled By: PP
 Cylinder No.: 807

Field H2O (#/mm):

Field H2S (PPM): 0.2
 Field H2S (Grains): 0.01

Pressure Base: 14.65
Temp. Base: 60

Z Factor (Dry): 0.9964156
 Z Factor (Act.): 0.9964156

Dry BTU w/ H2S: 1250.64
 Sat BTU w/ H2S: 1229.22
 As Del. BTU w/ H2S: 1250.64

Dry BTU W/O H2S (Real): 1250.64

Sat. BTU W/O H2S (Real): 1229.22

H2O (# / mmcf): 0.0

AS DEL. BTU W/O H2S (Real): 1250.64

BTU Calc: Dry

Sp. Gravity (Real): 0.7318

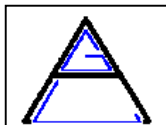
Field Gravity:
 Lab Gravitometer:

GPM Ethane+ (Real): 5.655
GPM Propane+ (Real): 2.559
GPM IC5+ (Real): 0.593

GPA 2145 / 2172

Fld. Remarks: TAG: NO API PER WHITNEY

Lab Remarks:

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GAS ANALYSIS REPORT

Analysis No.: 252433
 Customer: Permian Resources

<u>Component</u>	<u>Mol. %</u>	(Ideal) <u>BTU</u>	(Ideal) <u>SG</u>	(Real) <u>GPM</u>
Nitrogen	1.5811	0.000	0.015	
Methane	78.4163	789.526	0.434	
CO2	0.1653	0.000	0.003	
Ethane	11.3728	200.634	0.118	3.035
H2S	0.0000	0.000	0.000	
Propane	4.8929	122.725	0.074	1.345
Iso-Butane	0.6199	20.095	0.012	0.202
Butane	1.4876	48.378	0.030	0.468
Iso-Pentane	0.3739	14.913	0.009	0.136
Pentane	0.3975	15.885	0.010	0.144
Hexanes C6+	0.6927	35.419	0.022	0.302
Hydrogen	N/A			
Helium	N/A			
Oxygen	N/A			
CO	N/A			
Totals	100.0000	1247.575	0.729	5.632

Producer: Permian Resources
Well / Sta. Name: PALMILLO 26 TESTER #2
Sta. No.:
Formation:
Field: New Mexico
County:
API Number: N/L

Spot / Composite: SP
 Date / Time On:
 Date / Time Off: 08/28/25
 Date to Lab: 08/29/25
 Date Analyzed: 09/04/25
 Effective Date:

Sample Press. (PSIG): 94
 Line Press. (PSIG): 94
 Sample Temp. (F): 91
 Fl. Gas Temp. (F): 91
 Amb. Temp. (F): 82

Del. To:
 Sampled By: JL
 Cylinder No.: 686

Field H2O (#/mm):**Field H2S (PPM):** 0.0

Field H2S (Grains): 0.0

Pressure Base: 14.65**Temp. Base:** 60

Z Factor (Dry): 0.9964209

Z Factor (Act.): 0.9964209

Dry BTU w/ H2S: 1252.06

Sat BTU w/ H2S: 1230.62

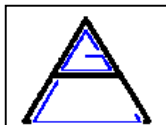
As Del. BTU w/ H2S: 1252.06

Dry BTU W/O H2S (Real): 1252.06**Sat. BTU W/O H2S (Real):** 1230.62**H2O (# / mmcf):** 0.0**AS DEL. BTU W/O H2S (Real):** 1252.06*BTU Calc: Dry***Sp. Gravity (Real):** 0.7308

Field Gravity:

Lab Gravitometer:

GPM Ethane+ (Real): 5.632**GPM Propane+ (Real):** 2.597**GPM IC5+ (Real):** 0.582**Fld. Remarks:** TAG: NO API PER WHITNEY**Lab Remarks:**

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GAS ANALYSIS REPORT

Analysis No.: 252434
 Customer: Permian Resources

<u>Component</u>	<u>Mol. %</u>	(Ideal) <u>BTU</u>	(Ideal) <u>SG</u>	(Real) <u>GPM</u>	
Nitrogen	1.4856	0.000	0.014		Producer: Permian Resources
Methane	78.4941	790.309	0.435		Well / Sta. Name: PALMILLO 26 TESTER #1 316-214 WELLS
CO ₂	0.1464	0.000	0.002		Sta. No.:
Ethane	11.4879	202.665	0.119	3.066	Formation:
H ₂ S	0.0000	0.000	0.000		Field: New Mexico
Propane	4.8675	122.088	0.074	1.338	County:
Iso-Butane	0.6121	19.843	0.012	0.200	API Number: N/L
Butane	1.4640	47.611	0.029	0.461	Spot / Composite: SP
Iso-Pentane	0.3626	14.462	0.009	0.132	Date / Time On:
Pentane	0.3891	15.549	0.010	0.141	Date / Time Off: 08/28/25
Hexanes C ₆ +	0.6907	35.317	0.022	0.301	Date to Lab: 08/29/25
					Date Analyzed: 09/04/25
					Effective Date:
Hydrogen	N/A				Sample Press. (PSIG): 95
Helium	N/A				Line Press. (PSIG): 95
Oxygen	N/A				Sample Temp. (F): 88
CO	N/A				Fl. Gas Temp. (F): 88
					Amb. Temp. (F): 82
Totals	100.0000	1247.842	0.727	5.639	Del. To:
					Sampled By: JL
					Cylinder No.: 679

Field H₂O (#/mm):**Field H₂S (PPM):** 0.0Field H₂S (Grains): 0.0**Pressure Base:** 14.65**Temp. Base:** 60

Z Factor (Dry): 0.9964247

Z Factor (Act.): 0.9964247

Dry BTU w/ H₂S: 1252.32Sat BTU w/ H₂S: 1230.88As Del. BTU w/ H₂S: 1252.32**Dry BTU W/O H₂S (Real):** 1252.32**Sat. BTU W/O H₂S (Real):** 1230.88**H₂O (# / mmcf):** 0.0**AS DEL. BTU W/O H₂S (Real):** 1252.32*BTU Calc: Dry***Sp. Gravity (Real):** 0.7297

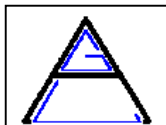
Field Gravity:

Lab Gravitometer:

GPM Ethane+ (Real): 5.639**GPM Propane+ (Real):** 2.573**GPM IC₅+ (Real):** 0.574

GPA 2145 / 2172

Fld. Remarks: TAG: NO API PER WHITNEY**Lab Remarks:**

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GAS ANALYSIS REPORT

Analysis No.: 252441
 Customer: Permian Resources

<u>Component</u>	<u>Mol. %</u>	(Ideal) <u>BTU</u>	(Ideal) <u>SG</u>	(Real) <u>GPM</u>	
Nitrogen	1.5482	0.000	0.015		
Methane	78.5122	790.491	0.435		
CO2	0.2299	0.000	0.003		
Ethane	11.4929	202.753	0.119	3.067	
H2S	0.0000	0.000	0.000		
Propane	4.7459	119.038	0.072	1.305	
Iso-Butane	0.5865	19.013	0.012	0.191	
Butane	1.3577	44.154	0.027	0.427	
Iso-Pentane	0.3753	14.968	0.009	0.137	
Pentane	0.4097	16.372	0.010	0.148	
Hexanes C6+	0.7417	37.924	0.024	0.323	
Hydrogen	N/A				
Helium	N/A				
Oxygen	N/A				
CO	N/A				
Totals	100.0000	1244.713	0.727	5.598	

Producer: Permian Resources
 Well / Sta. Name: PALMILLO 14-15 TESTER #2
 Sta. No.:
 Formation:
 Field: New Mexico
 County:
 API Number: N/L

Spot / Composite: SP
 Date / Time On:
 Date / Time Off: 08/25/25
 Date to Lab: 08/29/25
 Date Analyzed: 09/04/25
 Effective Date:

Sample Press. (PSIG): 84
 Line Press. (PSIG): 84
 Sample Temp. (F): 93
 Fl. Gas Temp. (F): 93
 Amb. Temp. (F): 86

Del. To:
 Sampled By: PP
 Cylinder No.: 278

Field H2O (#/mm):

Field H2S (PPM): 0.2
 Field H2S (Grains): 0.01

Pressure Base: 14.65
 Temp. Base: 60

Z Factor (Dry): 0.9964326
 Z Factor (Act.): 0.9964326

Dry BTU w/ H2S: 1249.17
 Sat BTU w/ H2S: 1227.78
 As Del. BTU w/ H2S: 1249.17

Dry BTU W/O H2S (Real): 1249.17
 Sat. BTU W/O H2S (Real): 1227.78
 H2O (# / mmcf): 0.0

AS DEL. BTU W/O H2S (Real): 1249.17

BTU Calc: Dry

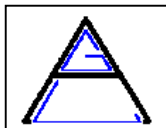
Sp. Gravity (Real): 0.7297
 Field Gravity:
 Lab Gravitometer:

GPM Ethane+ (Real): 5.598
 GPM Propane+ (Real): 2.531
 GPM IC5+ (Real): 0.608

GPA 2145 / 2172

Fld. Remarks: TAG: NO API PER WHITNEY

Lab Remarks:

**ARMSTRONG GAS LABS, INC.**

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GAS ANALYSIS REPORT

Analysis No.: 252442
 Customer: Permian Resources

<u>Component</u>	<u>Mol. %</u>	(Ideal) <u>BTU</u>	(Ideal) <u>SG</u>	(Real) <u>GPM</u>	
Nitrogen	1.7340	0.000	0.017		Producer: Permian Resources
Methane	78.2087	787.435	0.433		Well / Sta. Name: PALMILLO 3-10 COMPRESSOR FUEL
CO2	0.4502	0.000	0.007		Sta. No.:
Ethane	11.4734	202.409	0.119	3.062	Formation:
H2S	0.0004	0.000	0.000		Field: New Mexico
Propane	4.7026	117.952	0.072	1.293	County:
Iso-Butane	0.5977	19.376	0.012	0.195	API Number: N/L
Butane	1.3762	44.755	0.028	0.433	Spot / Composite: SP
Iso-Pentane	0.3834	15.291	0.010	0.140	Date / Time On:
Pentane	0.3843	15.357	0.010	0.139	Date / Time Off: 08/14/25
Hexanes C6+	0.6891	35.235	0.022	0.300	Date to Lab: 08/27/25
					Date Analyzed: 09/04/25
					Effective Date:
Hydrogen	N/A				Sample Press. (PSIG): 110
Helium	N/A				Line Press. (PSIG): 110
Oxygen	N/A				Sample Temp. (F): 91
CO	N/A				Fl. Gas Temp. (F): 91
					Amb. Temp. (F): 96
Totals	100.0000	1237.811	0.728	5.562	Del. To:
					Sampled By: PP
					Cylinder No.: 707

Field H2O (#/mm):

Field H2S (PPM): 3.5

Field H2S (Grains): 0.22

Pressure Base: 14.65**Temp. Base: 60**

Z Factor (Dry): 0.9964536

Z Factor (Act.): 0.9964536

Dry BTU w/ H2S: 1242.22

Sat BTU w/ H2S: 1220.95

As Del. BTU w/ H2S: 1242.22

Dry BTU W/O H2S (Real): 1242.22**Sat. BTU W/O H2S (Real): 1220.95****H2O (# / mmcf): 0.0****AS DEL. BTU W/O H2S (Real): 1242.22***BTU Calc: Dry***Sp. Gravity (Real): 0.7307**

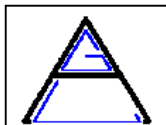
Field Gravity:

Lab Gravitometer:

GPM Ethane+ (Real): 5.562**GPM Propane+ (Real): 2.500****GPM IC5+ (Real): 0.579**

GPA 2145 / 2172

Fld. Remarks: TAG: NO API PER WHITNEY**Lab Remarks:**

**ARMSTRONG GAS LABS, INC.**

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GAS ANALYSIS REPORT

Analysis No.: 252443
 Customer: Permian Resources

<u>Component</u>	<u>Mol. %</u>	(Ideal) <u>BTU</u>	(Ideal) <u>SG</u>	(Real) <u>GPM</u>	
Nitrogen	2.9421	0.000	0.028		
Methane	73.4841	739.866	0.407		
CO2	5.7630	0.000	0.088		
Ethane	9.5493	168.465	0.099	2.548	
H2S	0.0003	0.000	0.000		
Propane	4.8894	122.637	0.074	1.344	
Iso-Butane	0.5975	19.369	0.012	0.195	
Butane	1.4771	48.037	0.030	0.465	
Iso-Pentane	0.3367	13.429	0.008	0.123	
Pentane	0.3903	15.597	0.010	0.141	
Hexanes C6+	0.5702	29.155	0.018	0.248	
Hydrogen	N/A				
Helium	N/A				
Oxygen	N/A				
CO	N/A				
Totals	100.0000	1156.555	0.775	5.064	

Producer: Permian Resources
Well / Sta. Name: ROMEO FEDERAL COM 701H
Sta. No.:
Formation:
Field: New Mexico
County:
API Number: 3002545557

Spot / Composite: SP
 Date / Time On:
 Date / Time Off: 08/26/25
 Date to Lab: 08/29/25
 Date Analyzed: 09/04/25
 Effective Date:

Sample Press. (PSIG): 111
 Line Press. (PSIG): 111
 Sample Temp. (F): 73
 Fl. Gas Temp. (F): 73
 Amb. Temp. (F): 70

Del. To:
 Sampled By: NP
 Cylinder No.: 151

Field H2O (#/mm):

Field H2S (PPM): 3.0
 Field H2S (Grains): 0.19

Pressure Base: 14.65**Temp. Base: 60**

Z Factor (Dry): 0.9964218

Z Factor (Act.): 0.9964218

Dry BTU w/ H2S: 1160.71

Sat BTU w/ H2S: 1140.84

As Del. BTU w/ H2S: 1160.71

Dry BTU W/O H2S (Real): 1160.71**Sat. BTU W/O H2S (Real): 1140.84****H2O (# / mmcf): 0.0****AS DEL. BTU W/O H2S (Real): 1160.71***BTU Calc: Dry***Sp. Gravity (Real): 0.7772**

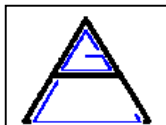
Field Gravity:

Lab Gravitometer:

GPM Ethane+ (Real): 5.064**GPM Propane+ (Real): 2.516****GPM IC5+ (Real): 0.512**

GPA 2145 / 2172

Fld. Remarks:**Lab Remarks:**

**ARMSTRONG GAS LABS, INC.**

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GAS ANALYSIS REPORT

Analysis No.: 252444
 Customer: Permian Resources

<u>Component</u>	<u>Mol. %</u>	(Ideal) <u>BTU</u>	(Ideal) <u>SG</u>	(Real) <u>GPM</u>	
Nitrogen	4.2263	0.000	0.041		Producer: Permian Resources
Methane	68.7880	692.584	0.381		Well / Sta. Name: RAIDER 502-701 SALES CHECK
CO2	10.4407	0.000	0.159		Sta. No.:
Ethane	8.6289	152.228	0.090	2.303	Formation:
H2S	0.0005	0.000	0.000		Field: New Mexico
Propane	4.6157	115.772	0.070	1.269	County:
Iso-Butane	0.5964	19.334	0.012	0.195	API Number: N/L
Butane	1.4573	47.393	0.029	0.458	Spot / Composite: SP
Iso-Pentane	0.3761	15.000	0.009	0.137	Date / Time On:
Pentane	0.3741	14.950	0.009	0.135	Date / Time Off: 08/27/25
Hexanes C6+	0.4960	25.361	0.016	0.216	Date to Lab: 08/29/25
					Date Analyzed: 09/04/25
					Effective Date:
Hydrogen	N/A				Sample Press. (PSIG): 120
Helium	N/A				Line Press. (PSIG): 120
Oxygen	N/A				Sample Temp. (F): 76
CO	N/A				Fl. Gas Temp. (F): 76
					Amb. Temp. (F): 70
Totals	100.0000	1082.621	0.816	4.713	Del. To:
					Sampled By: NP
					Cylinder No.: 183

Field H2O (#/mm):

Field H2S (PPM): 5.0

Field H2S (Grains): 0.31

Pressure Base: 14.65**Temp. Base: 60**

Z Factor (Dry): 0.9963993

Z Factor (Act.): 0.9963993

Dry BTU w/ H2S: 1086.54

Sat BTU w/ H2S: 1067.94

As Del. BTU w/ H2S: 1086.54

Dry BTU W/O H2S (Real): 1086.53**Sat. BTU W/O H2S (Real): 1067.93****H2O (# / mmcf): 0.0****AS DEL. BTU W/O H2S (Real): 1086.53***BTU Calc: Dry***Sp. Gravity (Real): 0.8189**

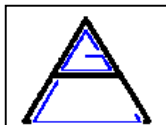
Field Gravity:

Lab Gravitometer:

GPM Ethane+ (Real): 4.713**GPM Propane+ (Real): 2.410****GPM IC5+ (Real): 0.488**

GPA 2145 / 2172

Fld. Remarks: TAG: NO API PER WHITNEY**Lab Remarks:**

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GAS ANALYSIS REPORT

Analysis No.: 252445
 Customer: Permian Resources

<u>Component</u>	<u>Mol. %</u>	(Ideal) <u>BTU</u>	(Ideal) <u>SG</u>	(Real) <u>GPM</u>
Nitrogen	1.5525	0.000	0.015	
Methane	77.8481	783.805	0.431	
CO2	0.1923	0.000	0.003	
Ethane	11.3935	201.000	0.118	3.041
H2S	0.0000	0.000	0.000	
Propane	4.9980	125.361	0.076	1.374
Iso-Butane	0.6555	21.249	0.013	0.214
Butane	1.5633	50.840	0.031	0.492
Iso-Pentane	0.4161	16.596	0.010	0.152
Pentane	0.4465	17.843	0.011	0.161
Hexanes C6+	0.9342	47.767	0.030	0.407
Hydrogen	N/A			
Helium	N/A			
Oxygen	N/A			
CO	N/A			
Totals	100.0000	1264.460	0.740	5.841

Producer: Permian Resources
Well / Sta. Name: PALMILLO 26 VRU
Sta. No.:
Formation:
Field: New Mexico
County:
API Number: N/L

Spot / Composite: SP
 Date / Time On:
 Date / Time Off: 08/28/25
 Date to Lab: 08/29/25
 Date Analyzed: 09/04/25
 Effective Date:

Sample Press. (PSIG): 125
 Line Press. (PSIG): 125
 Sample Temp. (F): 87
 Fl. Gas Temp. (F): 87
 Amb. Temp. (F): 82

Del. To:
 Sampled By: JL
 Cylinder No.: 851

Field H2O (#/mm):**Field H2S (PPM):** 0.0

Field H2S (Grains): 0.0

Pressure Base: 14.65**Temp. Base:** 60

Z Factor (Dry): 0.9962853

Z Factor (Act.): 0.9962853

Dry BTU w/ H2S: 1269.18

Sat BTU w/ H2S: 1247.45

As Del. BTU w/ H2S: 1269.18

Dry BTU W/O H2S (Real): 1269.18**Sat. BTU W/O H2S (Real):** 1247.45**H2O (# / mmcf):** 0.0**AS DEL. BTU W/O H2S (Real):** 1269.18*BTU Calc: Dry***Sp. Gravity (Real):** 0.7421

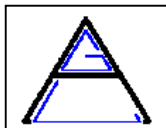
Field Gravity:

Lab Gravitometer:

GPM Ethane+ (Real): 5.841**GPM Propane+ (Real):** 2.800**GPM IC5+ (Real):** 0.720

GPA 2145 / 2172

Fld. Remarks: TAG: NO API PER WHITNEY**Lab Remarks:** CP @ LAB 95 PSIG

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GAS ANALYSIS REPORT

Analysis No.: 252446
 Customer: Permian Resources

<u>Component</u>	<u>Mol. %</u>	(Ideal) <u>BTU</u>	(Ideal) <u>SG</u>	(Real) <u>GPM</u>	
Nitrogen	1.5610	0.000	0.015		Producer: Permian Resources
Methane	78.5528	790.900	0.435		Well / Sta. Name: PALMILLO ST COMP FUEL
CO ₂	0.1678	0.000	0.003		Sta. No.:
Ethane	11.4329	201.695	0.119	3.051	Formation:
H ₂ S	0.0000	0.000	0.000		Field: New Mexico
Propane	4.9497	124.150	0.075	1.361	County:
Iso-Butane	0.6210	20.131	0.012	0.203	API Number: N/L
Butane	1.4579	47.412	0.029	0.459	Spot / Composite: SP
Iso-Pentane	0.3601	14.362	0.009	0.131	Date / Time On:
Pentane	0.3758	15.018	0.009	0.136	Date / Time Off: 08/28/25
Hexanes C ₆ +	0.5210	26.640	0.017	0.227	Date to Lab: 08/29/25
					Date Analyzed: 09/04/25
					Effective Date:
Hydrogen	N/A				Sample Press. (PSIG): 126
Helium	N/A				Line Press. (PSIG): 126
Oxygen	N/A				Sample Temp. (F): 71
CO	N/A				Fl. Gas Temp. (F): 71
					Amb. Temp. (F): 82
Totals	100.0000	1240.307	0.724	5.568	Del. To:
					Sampled By: JL
					Cylinder No.: 835

Field H₂O (#/mm):**Field H₂S (PPM):** 0.0Field H₂S (Grains): 0.0**Pressure Base:** 14.65**Temp. Base:** 60

Z Factor (Dry): 0.9964818

Z Factor (Act.): 0.9964818

Dry BTU w/ H₂S: 1244.69Sat BTU w/ H₂S: 1223.37As Del. BTU w/ H₂S: 1244.69**Dry BTU W/O H₂S (Real):** 1244.69**Sat. BTU W/O H₂S (Real):** 1223.37**H₂O (# / mmcf):** 0.0**AS DEL. BTU W/O H₂S (Real):** 1244.69*BTU Calc: Dry***Sp. Gravity (Real):** 0.7259

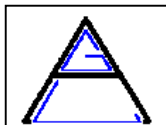
Field Gravity:

Lab Gravitometer:

GPM Ethane+ (Real): 5.568**GPM Propane+ (Real):** 2.517**GPM IC₅+ (Real):** 0.494

GPA 2145 / 2172

Fld. Remarks: TAG: NO API PER WHITNEY**Lab Remarks:**

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GAS ANALYSIS REPORT

Analysis No.: 252447
 Customer: Permian Resources

<u>Component</u>	<u>Mol. %</u>	(Ideal) <u>BTU</u>	(Ideal) <u>SG</u>	(Real) <u>GPM</u>	
Nitrogen	2.3415	0.000	0.023		
Methane	73.4265	739.286	0.407		
CO2	1.8742	0.000	0.028		
Ethane	10.8222	190.921	0.112	2.889	
H2S	0.0001	0.000	0.000		
Propane	6.5957	165.435	0.100	1.814	
Iso-Butane	0.9119	29.561	0.018	0.298	
Butane	2.3207	75.471	0.047	0.730	
Iso-Pentane	0.5177	20.648	0.013	0.189	
Pentane	0.5216	20.844	0.013	0.189	
Hexanes C6+	0.6679	34.151	0.021	0.291	
Hydrogen	N/A				
Helium	N/A				
Oxygen	N/A				
CO	N/A				
Totals	100.0000	1276.317	0.783	6.400	

Producer: Permian Resources
Well / Sta. Name: RAIDER 503-703 SALES CHECK
Sta. No.:
Formation:
Field: New Mexico
County:
API Number: N/L

Spot / Composite: SP
 Date / Time On:
 Date / Time Off: 08/26/25
 Date to Lab: 08/29/25
 Date Analyzed: 09/04/25
 Effective Date:

Sample Press. (PSIG): 126
 Line Press. (PSIG): 126
 Sample Temp. (F): 90
 Fl. Gas Temp. (F): 90
 Amb. Temp. (F): 85

Del. To:
 Sampled By: NP
 Cylinder No.: 404

Field H2O (#/mm):**Field H2S (PPM):** 0.5

Field H2S (Grains): 0.03

Pressure Base: 14.65**Temp. Base:** 60

Z Factor (Dry): 0.9959946

Z Factor (Act.): 0.9959946

Dry BTU w/ H2S: 1281.45

Sat BTU w/ H2S: 1259.53

As Del. BTU w/ H2S: 1281.45

Dry BTU W/O H2S (Real): 1281.45**Sat. BTU W/O H2S (Real):** 1259.53**H2O (# / mmcf):** 0.0**AS DEL. BTU W/O H2S (Real):** 1281.45*BTU Calc: Dry***Sp. Gravity (Real):** 0.7857

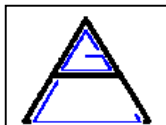
Field Gravity:

Lab Gravitometer:

GPM Ethane+ (Real): 6.400**GPM Propane+ (Real):** 3.511**GPM IC5+ (Real):** 0.669

GPA 2145 / 2172

Fld. Remarks: TAG: NO API PER WHITNEY**Lab Remarks:**

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GAS ANALYSIS REPORT

Analysis No.: 252448
 Customer: Permian Resources

<u>Component</u>	<u>Mol. %</u>	(Ideal) <u>BTU</u>	(Ideal) <u>SG</u>	(Real) <u>GPM</u>	
Nitrogen	4.2470	0.000	0.041		
Methane	66.6164	670.720	0.369		
CO2	2.1441	0.000	0.033		
Ethane	14.0961	248.678	0.146	3.765	
H2S	0.0200	0.000	0.000		
Propane	7.9680	199.855	0.121	2.192	
Iso-Butane	0.8684	28.151	0.017	0.284	
Butane	2.1932	71.325	0.044	0.690	
Iso-Pentane	0.4789	19.100	0.012	0.175	
Pentane	0.4838	19.333	0.012	0.175	
Hexanes C6+	0.8841	45.205	0.028	0.385	
Hydrogen	N/A				
Helium	N/A				
Oxygen	N/A				
CO	N/A				
Totals	100.0000	1302.368	0.824	7.666	

Producer: Permian Resources
Well / Sta. Name: ROBIN FED COM 121H
Sta. No.:
Formation:
Field: New Mexico
County:
API Number: 3002552630

Spot / Composite: SP
 Date / Time On:
 Date / Time Off: 08/26/25
 Date to Lab: 08/26/25
 Date Analyzed: 09/04/25
 Effective Date:

Sample Press. (PSIG): 138
 Line Press. (PSIG): 138
 Sample Temp. (F): 109
 Fl. Gas Temp. (F): 109
 Amb. Temp. (F): 82

Del. To:
 Sampled By: IF
 Cylinder No.: 189

Field H2O (#/mm):

Field H2S (PPM): 200.0
 Field H2S (Grains): 12.59

Pressure Base: 14.65**Temp. Base: 60**

Z Factor (Dry): 0.9956637

Z Factor (Act.): 0.9956637

Dry BTU w/ H2S: 1308.17

Sat BTU w/ H2S: 1285.80

As Del. BTU w/ H2S: 1308.17

Dry BTU W/O H2S (Real): 1308.04**Sat. BTU W/O H2S (Real): 1285.68****H2O (# / mmcf): 0.0****AS DEL. BTU W/O H2S (Real): 1308.04***BTU Calc: Dry***Sp. Gravity (Real): 0.8277**

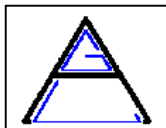
Field Gravity:

Lab Gravitometer:

GPM Ethane+ (Real): 7.666**GPM Propane+ (Real): 3.901****GPM IC5+ (Real): 0.735**

GPA 2145 / 2172

Fld. Remarks:**Lab Remarks:**

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GAS ANALYSIS REPORT

Analysis No.: 252449
 Customer: Permian Resources

<u>Component</u>	<u>Mol. %</u>	(Ideal) <u>BTU</u>	(Ideal) <u>SG</u>	(Real) <u>GPM</u>	
Nitrogen	1.8765	0.000	0.018		
Methane	79.8483	803.944	0.442		
CO2	2.4061	0.000	0.037		
Ethane	8.1252	143.342	0.084	2.168	
H2S	0.0090	0.000	0.000		
Propane	4.2876	107.543	0.065	1.178	
Iso-Butane	0.6391	20.718	0.013	0.209	
Butane	1.4514	47.201	0.029	0.457	
Iso-Pentane	0.4091	16.316	0.010	0.149	
Pentane	0.3653	14.598	0.009	0.132	
Hexanes C6+	0.5824	29.779	0.019	0.254	
Hydrogen	N/A				
Helium	N/A				
Oxygen	N/A				
CO	N/A				
Totals	100.0000	1183.440	0.727	4.547	

Producer: Permian Resources
Well / Sta. Name: DONKEY KONG 1 FED COM 503H
Sta. No.:
Formation:
Field: New Mexico
County:
API Number: 3002545680

Spot / Composite: SP
 Date / Time On:
 Date / Time Off: 08/21/25
 Date to Lab: 08/27/25
 Date Analyzed: 09/04/25
 Effective Date:

Sample Press. (PSIG): 139
 Line Press. (PSIG): 139
 Sample Temp. (F): 86
 Fl. Gas Temp. (F): 86
 Amb. Temp. (F): 80

Del. To:
 Sampled By: BT
 Cylinder No.: AGL-716

Field H2O (#/mm):

Field H2S (PPM): 90.0
 Field H2S (Grains): 5.66

Pressure Base: 14.65**Temp. Base: 60**

Z Factor (Dry): 0.9966319

Z Factor (Act.): 0.9966319

Dry BTU w/ H2S: 1187.50

Sat BTU w/ H2S: 1167.16

As Del. BTU w/ H2S: 1187.50

Dry BTU W/O H2S (Real): 1187.44**Sat. BTU W/O H2S (Real): 1167.10****H2O (# / mmcf): 0.0****AS DEL. BTU W/O H2S (Real): 1187.44***BTU Calc: Dry***Sp. Gravity (Real): 0.7289**

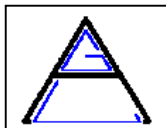
Field Gravity:

Lab Gravitometer:

GPM Ethane+ (Real): 4.547**GPM Propane+ (Real): 2.379****GPM IC5+ (Real): 0.535**

GPA 2145 / 2172

Fld. Remarks:**Lab Remarks: CP @ LAB 120 PSIG**

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GAS ANALYSIS REPORT

Analysis No.: 252450
 Customer: Permian Resources

<u>Component</u>	<u>Mol. %</u>	(Ideal) <u>BTU</u>	(Ideal) <u>SG</u>	(Real) <u>GPM</u>	
Nitrogen	2.0747	0.000	0.020		
Methane	78.3485	788.843	0.434		
CO2	2.3676	0.000	0.036		
Ethane	8.5481	150.802	0.089	2.281	
H2S	0.0010	0.000	0.000		
Propane	4.6564	116.793	0.071	1.280	
Iso-Butane	0.6959	22.559	0.014	0.227	
Butane	1.6100	52.359	0.032	0.507	
Iso-Pentane	0.4555	18.167	0.011	0.166	
Pentane	0.4252	16.992	0.011	0.154	
Hexanes C6+	0.8171	41.780	0.026	0.356	
Hydrogen	N/A				
Helium	N/A				
Oxygen	N/A				
CO	N/A				
Totals	100.0000	1208.294	0.744	4.971	

Producer: Permian Resources
Well / Sta. Name: SOLOMON FEDERAL COM 505H
Sta. No.:
Formation:
Field: New Mexico
County:
API Number: 3002548692

Spot / Composite: SP
 Date / Time On:
 Date / Time Off: 08/27/25
 Date to Lab: 08/27/25
 Date Analyzed: 09/04/25
 Effective Date:

Sample Press. (PSIG): 155
 Line Press. (PSIG): 155
 Sample Temp. (F): 78
 Fl. Gas Temp. (F): 78
 Amb. Temp. (F): 70

Del. To:
 Sampled By: BT
 Cylinder No.: AGL-733

Field H2O (#/mm):

Field H2S (PPM): 10.0
 Field H2S (Grains): 0.63

Pressure Base: 14.65**Temp. Base: 60**

Z Factor (Dry): 0.9964431

Z Factor (Act.): 0.9964431

Dry BTU w/ H2S: 1212.61

Sat BTU w/ H2S: 1191.85

As Del. BTU w/ H2S: 1212.61

Dry BTU W/O H2S (Real): 1212.61**Sat. BTU W/O H2S (Real): 1191.85****H2O (# / mmcf): 0.0****AS DEL. BTU W/O H2S (Real): 1212.61***BTU Calc: Dry***Sp. Gravity (Real): 0.7465**

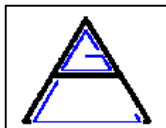
Field Gravity:

Lab Gravitometer:

GPM Ethane+ (Real): 4.971**GPM Propane+ (Real): 2.690****GPM IC5+ (Real): 0.676**

GPA 2145 / 2172

Fld. Remarks:**Lab Remarks:**

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GAS ANALYSIS REPORT

Analysis No.: 252451
 Customer: Permian Resources

<u>Component</u>	<u>Mol. %</u>	(Ideal) <u>BTU</u>	(Ideal) <u>SG</u>	(Real) <u>GPM</u>	
Nitrogen	3.0565	0.000	0.030		
Methane	74.7431	752.542	0.414		
CO2	7.0980	0.000	0.108		
Ethane	8.1572	143.906	0.085	2.176	
H2S	0.0030	0.000	0.000		
Propane	4.0475	101.520	0.062	1.112	
Iso-Butane	0.5439	17.632	0.011	0.178	
Butane	1.2477	40.576	0.025	0.392	
Iso-Pentane	0.3453	13.772	0.009	0.126	
Pentane	0.3147	12.576	0.008	0.114	
Hexanes C6+	0.4431	22.656	0.014	0.193	
Hydrogen	N/A				
Helium	N/A				
Oxygen	N/A				
CO	N/A				
Totals	100.0000	1105.181	0.764	4.291	

Producer: Permian Resources
Well / Sta. Name: SOLOMON FEDERAL COM 304H
Sta. No.:
Formation:
Field: New Mexico
County:
API Number: 3002550269

Spot / Composite: SP
 Date / Time On:
 Date / Time Off: 08/27/25
 Date to Lab: 08/27/25
 Date Analyzed: 09/04/25
 Effective Date:

Sample Press. (PSIG): 165
 Line Press. (PSIG): 165
 Sample Temp. (F): 78
 Fl. Gas Temp. (F): 78
 Amb. Temp. (F): 70

Del. To:
 Sampled By: BT
 Cylinder No.: AGL-751

Field H2O (#/mm):

Field H2S (PPM): 30.0
 Field H2S (Grains): 1.89

Pressure Base: 14.65**Temp. Base: 60**

Z Factor (Dry): 0.9966443

Z Factor (Act.): 0.9966443

Dry BTU w/ H2S: 1108.92

Sat BTU w/ H2S: 1089.93

As Del. BTU w/ H2S: 1108.92

Dry BTU W/O H2S (Real): 1108.90**Sat. BTU W/O H2S (Real): 1089.91****H2O (# / mmcf): 0.0****AS DEL. BTU W/O H2S (Real): 1108.90***BTU Calc: Dry***Sp. Gravity (Real): 0.7667**

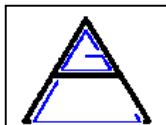
Field Gravity:

Lab Gravitometer:

GPM Ethane+ (Real): 4.291**GPM Propane+ (Real): 2.115****GPM IC5+ (Real): 0.433**

GPA 2145 / 2172

Fld. Remarks:**Lab Remarks:**

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GAS ANALYSIS REPORT

Analysis No.: 252452
 Customer: Permian Resources

<u>Component</u>	<u>Mol. %</u>	(Ideal) <u>BTU</u>	(Ideal) <u>SG</u>	(Real) <u>GPM</u>	
Nitrogen	1.7832	0.000	0.017		Producer: Permian Resources
Methane	78.6063	791.439	0.435		Well / Sta. Name: DONKEY KONG 1 FED COM 602H
CO2	2.1308	0.000	0.032		Sta. No.:
Ethane	8.6632	152.833	0.090	2.312	Formation:
H2S	0.0100	0.000	0.000		Field: New Mexico
Propane	4.6982	117.841	0.072	1.292	County:
Iso-Butane	0.7454	24.164	0.015	0.243	API Number: 3002545682
Butane	1.7116	55.663	0.034	0.538	Spot / Composite: SP
Iso-Pentane	0.4683	18.678	0.012	0.171	Date / Time On:
Pentane	0.4141	16.548	0.010	0.150	Date / Time Off: 08/27/25
Hexanes C6+	0.7689	39.315	0.025	0.335	Date to Lab: 08/27/25
					Date Analyzed: 09/05/25
					Effective Date:
Hydrogen	N/A				Sample Press. (PSIG): 131
Helium	N/A				Line Press. (PSIG): 131
Oxygen	N/A				Sample Temp. (F): 85
CO	N/A				Fl. Gas Temp. (F): 85
					Amb. Temp. (F): 80
Totals	100.0000	1216.480	0.743	5.041	Del. To:
					Sampled By: BT
					Cylinder No.: AGL-676

Field H2O (#/mm):

Field H2S (PPM): 100.0

Field H2S (Grains): 6.29

Pressure Base: 14.65**Temp. Base: 60**

Z Factor (Dry): 0.9964232

Z Factor (Act.): 0.9964232

Dry BTU w/ H2S: 1220.91

Sat BTU w/ H2S: 1200.01

As Del. BTU w/ H2S: 1220.91

Dry BTU W/O H2S (Real): 1220.85**Sat. BTU W/O H2S (Real): 1199.95****H2O (# / mmcf): 0.0****AS DEL. BTU W/O H2S (Real): 1220.85***BTU Calc: Dry***Sp. Gravity (Real): 0.7450**

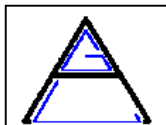
Field Gravity:

Lab Gravitometer:

GPM Ethane+ (Real): 5.041**GPM Propane+ (Real): 2.729****GPM IC5+ (Real): 0.656**

GPA 2145 / 2172

Fld. Remarks:**Lab Remarks: CP @ LAB 7 PSIG**

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GAS ANALYSIS REPORT

Analysis No.: 352953
 Customer: Permian Resources

<u>Component</u>	<u>Mol. %</u>	(Ideal) <u>BTU</u>	(Ideal) <u>SG</u>	(Real) <u>GPM</u>	
Nitrogen	2.0013	0.000	0.019		
Methane	79.4624	800.058	0.440		
CO2	1.1423	0.000	0.017		
Ethane	9.2139	162.548	0.096	2.459	
H2S	0.0030	0.000	0.000		
Propane	4.4787	112.336	0.068	1.231	
Iso-Butane	0.6621	21.463	0.013	0.216	
Butane	1.5648	50.889	0.031	0.492	
Iso-Pentane	0.4166	16.616	0.010	0.152	
Pentane	0.3828	15.297	0.010	0.138	
Hexanes C6+	0.6721	34.366	0.022	0.293	
Hydrogen	N/A				
Helium	N/A				
Oxygen	N/A				
CO	N/A				
Totals	100.0000	1213.573	0.727	4.981	

Producer: Permian Resources
Well / Sta. Name: WINNEBAGO 30 STATE COM 601H
Sta. No.:
Formation:
Field: New Mexico
County:
API Number: 3002550272

Spot / Composite: SP
 Date / Time On:
 Date / Time Off: 08/25/25
 Date to Lab: 08/26/25
 Date Analyzed: 08/30/25
 Effective Date:

Sample Press. (PSIG): 118
 Line Press. (PSIG): 118
 Sample Temp. (F): 87
 Fl. Gas Temp. (F): 87
 Amb. Temp. (F): 91

Del. To:
 Sampled By: QG
 Cylinder No.: 715

Field H2O (#/mm):

Field H2S (PPM): 30.0
 Field H2S (Grains): 1.89

Pressure Base: 14.65**Temp. Base: 60**

Z Factor (Dry): 0.9965451

Z Factor (Act.): 0.9965451

Dry BTU w/ H2S: 1217.80

Sat BTU w/ H2S: 1196.94

As Del. BTU w/ H2S: 1217.80

Dry BTU W/O H2S (Real): 1217.78**Sat. BTU W/O H2S (Real): 1196.93****H2O (# / mmcf): 0.0****AS DEL. BTU W/O H2S (Real): 1217.78***BTU Calc: Dry***Sp. Gravity (Real): 0.7292**

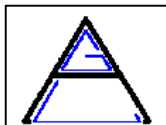
Field Gravity:

Lab Gravitometer:

GPM Ethane+ (Real): 4.981**GPM Propane+ (Real): 2.522****GPM IC5+ (Real): 0.583**

GPA 2145 / 2172

Fld. Remarks:**Lab Remarks: CP @ LAB 32 PSIG**

**ARMSTRONG GAS LABS, INC.**

P.O. Box 988
 Monahans, Texas 79756
 (432) 943-8844 (FAX) 943-8855

GAS ANALYSIS REPORT

Analysis No.: 352954
 Customer: Permian Resources

<u>Component</u>	<u>Mol. %</u>	<u>(Ideal)</u> <u>BTU</u>	<u>(Ideal)</u> <u>SG</u>	<u>(Real)</u> <u>GPM</u>	
Nitrogen	1.8837	0.000	0.018		
Methane	75.5854	761.023	0.419		
CO2	1.9312	0.000	0.029		
Ethane	10.9990	194.040	0.114	2.936	
H2S	0.0200	0.000	0.000		
Propane	5.6500	141.715	0.086	1.554	
Iso-Butane	0.7513	24.355	0.015	0.245	
Butane	1.7283	56.206	0.035	0.544	
Iso-Pentane	0.4187	16.699	0.010	0.153	
Pentane	0.3989	15.941	0.010	0.144	
Hexanes C6+	0.6335	32.392	0.020	0.276	
Hydrogen	N/A				
Helium	N/A				
Oxygen	N/A				
CO	N/A				
Totals	100.0000	1242.370	0.757	5.852	

Producer: Permian Resources
Well / Sta. Name: OUTLAND STATE UNIT 122H
Sta. No.:
Formation:
Field: New Mexico
County:
API Number: 3002553010

Spot / Composite: SP
 Date / Time On:
 Date / Time Off: 08/27/25
 Date to Lab: 08/27/25
 Date Analyzed: 08/30/25
 Effective Date:

Sample Press. (PSIG): 124
 Line Press. (PSIG): 124
 Sample Temp. (F): 79
 Fl. Gas Temp. (F): 79
 Amb. Temp. (F): 88

Del. To:
 Sampled By: MG
 Cylinder No.: 769

Field H2O (#/mm):

Field H2S (PPM): 200.0
 Field H2S (Grains): 12.59

Pressure Base: 14.65**Temp. Base: 60**

Z Factor (Dry): 0.9962568

Z Factor (Act.): 0.9962568

Dry BTU w/ H2S: 1247.17

Sat BTU w/ H2S: 1225.82

As Del. BTU w/ H2S: 1247.17

Dry BTU W/O H2S (Real): 1247.04**Sat. BTU W/O H2S (Real): 1225.69****H2O (# / mmcf): 0.0****AS DEL. BTU W/O H2S (Real): 1247.04***BTU Calc: Dry***Sp. Gravity (Real): 0.7597**

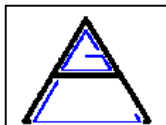
Field Gravity:

Lab Gravitometer:

GPM Ethane+ (Real): 5.852**GPM Propane+ (Real): 2.916****GPM IC5+ (Real): 0.573**

GPA 2145 / 2172

Fld. Remarks:**Lab Remarks:**

**ARMSTRONG GAS LABS, INC.**

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 (432) 943-8844 (FAX) 943-8855

GAS ANALYSIS REPORT

Analysis No.: 352955
 Customer: Permian Resources

<u>Component</u>	<u>Mol. %</u>	<u>(Ideal)</u> <u>BTU</u>	<u>(Ideal)</u> <u>SG</u>	<u>(Real)</u> <u>GPM</u>	
Nitrogen	1.7174	0.000	0.017		
Methane	76.7707	772.957	0.425		
CO2	0.7903	0.000	0.012		
Ethane	11.4009	201.130	0.118	3.043	
H2S	0.0100	0.000	0.000		
Propane	5.5874	140.145	0.085	1.536	
Iso-Butane	0.7109	23.045	0.014	0.232	
Butane	1.6569	53.884	0.033	0.521	
Iso-Pentane	0.3837	15.303	0.010	0.140	
Pentane	0.3808	15.217	0.009	0.138	
Hexanes C6+	0.5910	30.219	0.019	0.257	
Hydrogen	N/A				
Helium	N/A				
Oxygen	N/A				
CO	N/A				
Totals	100.0000	1251.901	0.743	5.867	

Producer: Permian Resources
Well / Sta. Name: OUTLAND STATE UNIT 131H
Sta. No.:
Formation:
Field: New Mexico
County:
API Number: 3002553011

Spot / Composite: SP
 Date / Time On:
 Date / Time Off: 08/27/25
 Date to Lab: 08/27/25
 Date Analyzed: 08/30/25
 Effective Date:

Sample Press. (PSIG): 139
 Line Press. (PSIG): 139
 Sample Temp. (F): 84
 Fl. Gas Temp. (F): 84
 Amb. Temp. (F): 80

Del. To:
 Sampled By: JT
 Cylinder No.: 224

Field H2O (#/mm):

Field H2S (PPM): 100.0
 Field H2S (Grains): 6.29

Pressure Base: 14.65
Temp. Base: 60

Z Factor (Dry): 0.9963221
 Z Factor (Act.): 0.9963221

Dry BTU w/ H2S: 1256.59

Sat BTU w/ H2S: 1235.08

As Del. BTU w/ H2S: 1256.59

Dry BTU W/O H2S (Real): 1256.52

Sat. BTU W/O H2S (Real): 1235.01

H2O (# / mmcf): 0.0

AS DEL. BTU W/O H2S (Real): 1256.52

BTU Calc: Dry

Sp. Gravity (Real): 0.7454

Field Gravity:

Lab Gravitometer:

GPM Ethane+ (Real): 5.867

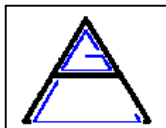
GPM Propane+ (Real): 2.824

GPM IC5+ (Real): 0.535

GPA 2145 / 2172

Fld. Remarks:

Lab Remarks:

**ARMSTRONG GAS LABS, INC.**

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 Monahans, Texas 79756
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GAS ANALYSIS REPORT

Analysis No.: 352956
 Customer: Permian Resources

<u>Component</u>	<u>Mol. %</u>	(Ideal) <u>BTU</u>	(Ideal) <u>SG</u>	(Real) <u>GPM</u>	
Nitrogen	2.0151	0.000	0.019		
Methane	76.5686	770.922	0.424		
CO2	1.9765	0.000	0.030		
Ethane	10.8617	191.618	0.113	2.899	
H2S	0.0200	0.000	0.000		
Propane	5.2366	131.346	0.080	1.440	
Iso-Butane	0.6413	20.789	0.013	0.209	
Butane	1.4640	47.611	0.029	0.461	
Iso-Pentane	0.3439	13.716	0.009	0.126	
Pentane	0.3261	13.031	0.008	0.118	
Hexanes C6+	0.5462	27.928	0.018	0.238	
Hydrogen	N/A				
Helium	N/A				
Oxygen	N/A				
CO	N/A				
Totals	100.0000	1216.961	0.743	5.491	

Producer: Permian Resources
Well / Sta. Name: OUTLAND STATE UNIT 121H
Sta. No.:
Formation:
Field: New Mexico
County:
API Number: 3002553009

Spot / Composite: SP
 Date / Time On:
 Date / Time Off: 08/27/25
 Date to Lab: 08/27/25
 Date Analyzed: 08/30/25
 Effective Date:

Sample Press. (PSIG): 149
 Line Press. (PSIG): 149
 Sample Temp. (F): 95
 Fl. Gas Temp. (F): 95
 Amb. Temp. (F): 88

Del. To:
 Sampled By: JT
 Cylinder No.: 780

Field H2O (#/mm):

Field H2S (PPM): 200.0
 Field H2S (Grains): 12.59

Pressure Base: 14.65**Temp. Base: 60**

Z Factor (Dry): 0.9964339

Z Factor (Act.): 0.9964339

Dry BTU w/ H2S: 1221.44

Sat BTU w/ H2S: 1200.53

As Del. BTU w/ H2S: 1221.44

Dry BTU W/O H2S (Real): 1221.32**Sat. BTU W/O H2S (Real): 1200.41****H2O (# / mmcf): 0.0****AS DEL. BTU W/O H2S (Real): 1221.32***BTU Calc: Dry***Sp. Gravity (Real): 0.7452**

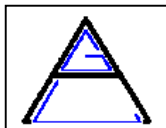
Field Gravity:

Lab Gravitometer:

GPM Ethane+ (Real): 5.491**GPM Propane+ (Real): 2.592****GPM IC5+ (Real): 0.482**

GPA 2145 / 2172

Fld. Remarks:**Lab Remarks:**

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 Monahans, Texas 79756
 (432) 943-8844 (FAX) 943-8855

GAS ANALYSIS REPORT

Analysis No.: 352957
 Customer: Permian Resources

<u>Component</u>	<u>Mol. %</u>	(Ideal) <u>BTU</u>	(Ideal) <u>SG</u>	(Real) <u>GPM</u>	
Nitrogen	2.0353	0.000	0.020		
Methane	75.7522	762.702	0.420		
CO ₂	2.7548	0.000	0.042		
Ethane	10.8027	190.577	0.112	2.883	
H ₂ S	0.0700	0.000	0.001		
Propane	5.2129	130.751	0.079	1.433	
Iso-Butane	0.6500	21.071	0.013	0.212	
Butane	1.5114	49.152	0.030	0.476	
Iso-Pentane	0.3612	14.406	0.009	0.132	
Pentane	0.3533	14.118	0.009	0.128	
Hexanes C ₆ +	0.4962	25.372	0.016	0.216	
Hydrogen	N/A				
Helium	N/A				
Oxygen	N/A				
CO	N/A				
Totals	100.0000	1208.150	0.751	5.480	

Producer: Permian Resources
Well / Sta. Name: DOVETAIL 18 7 STATE COM 122H
Sta. No.:
Formation:
Field: New Mexico
County:
API Number: 3002551728

Spot / Composite: SP
 Date / Time On:
 Date / Time Off: 08/27/25
 Date to Lab: 08/27/25
 Date Analyzed: 08/30/25
 Effective Date:

Sample Press. (PSIG): 169
 Line Press. (PSIG): 169
 Sample Temp. (F): 92
 Fl. Gas Temp. (F): 92
 Amb. Temp. (F): 72

Del. To:
 Sampled By: MG
 Cylinder No.: AGL-230

Field H₂O (#/mm):

Field H₂S (PPM): 700.0
 Field H₂S (Grains): 44.05

Pressure Base: 14.65**Temp. Base: 60**

Z Factor (Dry): 0.9964078

Z Factor (Act.): 0.9964078

Dry BTU w/ H₂S: 1212.95Sat BTU w/ H₂S: 1192.19As Del. BTU w/ H₂S: 1212.95**Dry BTU W/O H₂S (Real): 1212.51****Sat. BTU W/O H₂S (Real): 1191.75****H₂O (# / mmcf): 0.0****AS DEL. BTU W/O H₂S (Real): 1212.51***BTU Calc: Dry***Sp. Gravity (Real): 0.7530**

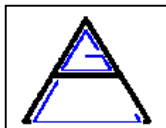
Field Gravity:

Lab Gravitometer:

GPM Ethane+ (Real): 5.480**GPM Propane+ (Real): 2.597****GPM IC₅+ (Real): 0.476**

GPA 2145 / 2172

Fld. Remarks:**Lab Remarks:**

**ARMSTRONG GAS LABS, INC.**

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 Monahans, Texas 79756
 (432) 943-8844 (FAX) 943-8855

GAS ANALYSIS REPORT

Analysis No.: 352958
 Customer: Permian Resources

<u>Component</u>	<u>Mol. %</u>	(Ideal) <u>BTU</u>	(Ideal) <u>SG</u>	(Real) <u>GPM</u>	
Nitrogen	1.7223	0.000	0.017		Producer: Permian Resources
Methane	78.0104	785.439	0.432		Well / Sta. Name: BRIDGE STATE UNIT 29 501H INJECTION
CO2	4.5693	0.000	0.069		Sta. No.:
Ethane	7.6934	135.724	0.080	2.053	Formation:
H2S	0.0006	0.000	0.000		Field: New Mexico
Propane	3.9066	97.986	0.059	1.074	County:
Iso-Butane	0.6974	22.608	0.014	0.228	API Number: N/L
Butane	1.7490	56.879	0.035	0.550	Spot / Composite: SP
Iso-Pentane	0.5579	22.251	0.014	0.204	Date / Time On:
Pentane	0.4610	18.422	0.011	0.167	Date / Time Off: 08/22/25
Hexanes C6+	0.6321	32.320	0.020	0.275	Date to Lab: 08/25/25
					Date Analyzed: 08/30/25
					Effective Date:
Hydrogen	N/A				Sample Press. (PSIG): 1168
Helium	N/A				Line Press. (PSIG): 1168
Oxygen	N/A				Sample Temp. (F): 113
CO	N/A				Fl. Gas Temp. (F): 113
					Amb. Temp. (F): 76
Totals	100.0000	1171.630	0.752	4.551	Del. To:
					Sampled By: DB
					Cylinder No.: AGL-67

Field H2O (#/mm):

Field H2S (PPM): 6.0

Field H2S (Grains): 0.38

Pressure Base: 14.65**Temp. Base: 60**

Z Factor (Dry): 0.9964896

Z Factor (Act.): 0.9964896

Dry BTU w/ H2S: 1175.76

Sat BTU w/ H2S: 1155.63

As Del. BTU w/ H2S: 1175.76

Dry BTU W/O H2S (Real): 1175.76**Sat. BTU W/O H2S (Real): 1155.62****H2O (# / mmcf): 0.0****AS DEL. BTU W/O H2S (Real): 1175.76***BTU Calc: Dry***Sp. Gravity (Real): 0.7547**

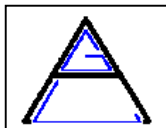
Field Gravity:

Lab Gravitometer:

GPM Ethane+ (Real): 4.551**GPM Propane+ (Real): 2.498****GPM IC5+ (Real): 0.646**

GPA 2145 / 2172

Fld. Remarks: TAG: NO API PER WHITNEY**Lab Remarks:**

**ARMSTRONG GAS LABS, INC.**

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 Monahans, Texas 79756
 (432) 943-8844 (FAX) 943-8855

GAS ANALYSIS REPORT

Analysis No.: 352996
 Customer: Permian Resources

<u>Component</u>	<u>Mol. %</u>	(Ideal) <u>BTU</u>	(Ideal) <u>SG</u>	(Real) <u>GPM</u>	
Nitrogen	2.9406	0.000	0.028		
Methane	74.8015	753.130	0.414		
CO2	5.9983	0.000	0.091		
Ethane	8.6758	153.055	0.090	2.315	
H2S	0.0000	0.000	0.000		
Propane	4.3930	110.186	0.067	1.208	
Iso-Butane	0.5857	18.987	0.012	0.191	
Butane	1.3740	44.684	0.028	0.432	
Iso-Pentane	0.3713	14.809	0.009	0.135	
Pentane	0.3475	13.887	0.009	0.126	
Hexanes C6+	0.5123	26.195	0.016	0.223	
Hydrogen	N/A				
Helium	N/A				
Oxygen	N/A				
CO	N/A				
Totals	100.0000	1134.932	0.765	4.630	

Producer: Permian Resources
Well / Sta. Name: JULIET FEDERAL COM 513H
Sta. No.:
Formation:
Field: New Mexico
County:
API Number: 3002549015

Spot / Composite: SP
 Date / Time On:
 Date / Time Off: 08/26/25
 Date to Lab: 08/28/25
 Date Analyzed: 09/04/25
 Effective Date:

Sample Press. (PSIG): 132
 Line Press. (PSIG): 132
 Sample Temp. (F): 80
 Fl. Gas Temp. (F): 80
 Amb. Temp. (F): 73

Del. To:
 Sampled By: DB
 Cylinder No.: AGL-452

Field H2O (#/mm):**Field H2S (PPM):** 0.0

Field H2S (Grains): 0.0

Pressure Base: 14.65**Temp. Base: 60**

Z Factor (Dry): 0.9965540

Z Factor (Act.): 0.9965540

Dry BTU w/ H2S: 1138.86

Sat BTU w/ H2S: 1119.35

As Del. BTU w/ H2S: 1138.86

Dry BTU W/O H2S (Real): 1138.86**Sat. BTU W/O H2S (Real): 1119.35****H2O (# / mmcf): 0.0****AS DEL. BTU W/O H2S (Real): 1138.86***BTU Calc: Dry***Sp. Gravity (Real): 0.7669**

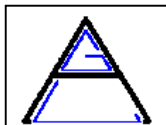
Field Gravity:

Lab Gravitometer:

GPM Ethane+ (Real): 4.630**GPM Propane+ (Real): 2.315****GPM IC5+ (Real): 0.484**

GPA 2145 / 2172

Fld. Remarks:**Lab Remarks:**

**ARMSTRONG GAS LABS, INC.**

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 (432) 943-8844 (FAX) 943-8855

GAS ANALYSIS REPORT

Analysis No.: 352997
 Customer: Permian Resources

<u>Component</u>	<u>Mol. %</u>	(Ideal) <u>BTU</u>	(Ideal) <u>SG</u>	(Real) <u>GPM</u>	
Nitrogen	2.3914	0.000	0.023		
Methane	65.9045	663.552	0.365		
CO2	6.5188	0.000	0.099		
Ethane	11.1800	197.233	0.116	2.987	
H2S	0.3000	0.000	0.004		
Propane	7.1091	178.312	0.108	1.957	
Iso-Butane	0.9972	32.326	0.020	0.326	
Butane	2.7331	88.883	0.055	0.861	
Iso-Pentane	0.8081	32.230	0.020	0.295	
Pentane	0.8190	32.728	0.020	0.297	
Hexanes C6+	1.2388	63.342	0.040	0.540	
Hydrogen	N/A				
Helium	N/A				
Oxygen	N/A				
CO	N/A				
Totals	100.0000	1288.607	0.870	7.263	

Producer: Permian Resources
Well / Sta. Name: WINNEBAGO NORTH WINDS SC
Sta. No.:
Formation:
Field: New Mexico
County:
API Number: N/L

Spot / Composite: SP
 Date / Time On:
 Date / Time Off: 08/25/25
 Date to Lab: 08/26/25
 Date Analyzed: 09/04/25
 Effective Date:

Sample Press. (PSIG): 134
 Line Press. (PSIG): 134
 Sample Temp. (F): 102
 Fl. Gas Temp. (F): 102
 Amb. Temp. (F): 79

Del. To:
 Sampled By: QG
 Cylinder No.: 782

Field H2O (#/mm):

Field H2S (PPM): 3,000.0
 Field H2S (Grains): 188.80

Pressure Base: 14.65**Temp. Base: 60**

Z Factor (Dry): 0.9952652

Z Factor (Act.): 0.9952652

Dry BTU w/ H2S: 1296.65

Sat BTU w/ H2S: 1274.49

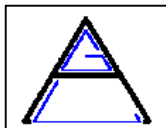
As Del. BTU w/ H2S: 1296.65

Dry BTU W/O H2S (Real): 1294.73**Sat. BTU W/O H2S (Real): 1272.61****H2O (# / mmcf): 0.0****AS DEL. BTU W/O H2S (Real): 1294.74***BTU Calc: Dry***Sp. Gravity (Real): 0.8741**

Field Gravity:

Lab Gravitometer:

GPM Ethane+ (Real): 7.263**GPM Propane+ (Real): 4.276****GPM IC5+ (Real): 1.132****Fld. Remarks: TAG: NO API PER WHITNEY****Lab Remarks:**

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 Monahans, Texas 79756
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GAS ANALYSIS REPORT

Analysis No.: 352998
 Customer: Permian Resources

<u>Component</u>	<u>Mol. %</u>	(Ideal) <u>BTU</u>	(Ideal) <u>SG</u>	(Real) <u>GPM</u>
Nitrogen	3.6733	0.000	0.036	
Methane	68.8073	692.778	0.381	
CO2	0.1095	0.000	0.002	
Ethane	13.8011	243.474	0.143	3.686
H2S	0.0000	0.000	0.000	
Propane	7.9321	198.955	0.121	2.183
Iso-Butane	0.8504	27.568	0.017	0.278
Butane	2.5461	82.801	0.051	0.802
Iso-Pentane	0.5666	22.598	0.014	0.207
Pentane	0.6462	25.823	0.016	0.234
Hexanes C6+	1.0674	54.578	0.034	0.465
Hydrogen	N/A			
Helium	N/A			
Oxygen	N/A			
CO	N/A			
Totals	100.0000	1348.575	0.815	7.855

Producer: Permian Resources
Well / Sta. Name: ROBIN FED COM 131H
Sta. No.:
Formation:
Field: New Mexico
County:
API Number: 3002552585

Spot / Composite: SP
 Date / Time On:
 Date / Time Off: 08/28/25
 Date to Lab: 08/28/25
 Date Analyzed: 09/04/25
 Effective Date:

Sample Press. (PSIG): 136
 Line Press. (PSIG): 136
 Sample Temp. (F): 117
 Fl. Gas Temp. (F): 117
 Amb. Temp. (F): 87

Del. To:
 Sampled By: RO
 Cylinder No.: AGL-847

Field H2O (#/mm):**Field H2S (PPM):** 0.0

Field H2S (Grains): 0.0

Pressure Base: 14.65**Temp. Base:** 60

Z Factor (Dry): 0.9955572

Z Factor (Act.): 0.9955572

Dry BTU w/ H2S: 1354.59

Sat BTU w/ H2S: 1331.44

As Del. BTU w/ H2S: 1354.59

Dry BTU W/O H2S (Real): 1354.59**Sat. BTU W/O H2S (Real):** 1331.44**H2O (# / mmcf):** 0.0**AS DEL. BTU W/O H2S (Real):** 1354.59*BTU Calc: Dry***Sp. Gravity (Real):** 0.8184

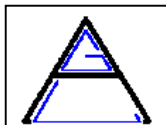
Field Gravity:

Lab Gravitometer:

GPM Ethane+ (Real): 7.855**GPM Propane+ (Real):** 4.169**GPM IC5+ (Real):** 0.906

GPA 2145 / 2172

Fld. Remarks:**Lab Remarks:**

**ARMSTRONG GAS LABS, INC.**

P.O. Box 988
 Monahans, Texas 79756
 (432) 943-8844 (FAX) 943-8855

GAS ANALYSIS REPORT

Analysis No.: 352999
 Customer: Permian Resources

<u>Component</u>	<u>Mol. %</u>	(Ideal) <u>BTU</u>	(Ideal) <u>SG</u>	(Real) <u>GPM</u>	
Nitrogen	3.8599	0.000	0.037		
Methane	72.5333	730.293	0.402		
CO2	8.0147	0.000	0.122		
Ethane	8.5827	151.413	0.089	2.290	
H2S	0.0015	0.000	0.000		
Propane	4.1489	104.064	0.063	1.140	
Iso-Butane	0.4840	15.690	0.010	0.158	
Butane	1.2320	40.066	0.025	0.388	
Iso-Pentane	0.3310	13.202	0.008	0.121	
Pentane	0.3360	13.427	0.008	0.122	
Hexanes C6+	0.4760	24.339	0.015	0.207	
Hydrogen	N/A				
Helium	N/A				
Oxygen	N/A				
CO	N/A				
Totals	100.0000	1092.493	0.780	4.426	

Producer: Permian Resources
Well / Sta. Name: RAIDER FEDERAL COM 302H
Sta. No.:
Formation:
Field: New Mexico
County:
API Number: 3002548391

Spot / Composite: SP
 Date / Time On:
 Date / Time Off: 08/27/25
 Date to Lab: 08/28/25
 Date Analyzed: 09/04/25
 Effective Date:

Sample Press. (PSIG): 137
 Line Press. (PSIG): 137
 Sample Temp. (F): 81
 Fl. Gas Temp. (F): 81
 Amb. Temp. (F): 74

Del. To:
 Sampled By: DB
 Cylinder No.: AGL-695

Field H2O (#/mm):

Field H2S (PPM): 15.0
 Field H2S (Grains): 0.94

Pressure Base: 14.65
Temp. Base: 60

Z Factor (Dry): 0.9966028
 Z Factor (Act.): 0.9966028

Dry BTU w/ H2S: 1096.23

Sat BTU w/ H2S: 1077.45

As Del. BTU w/ H2S: 1096.23

Dry BTU W/O H2S (Real): 1096.22

Sat. BTU W/O H2S (Real): 1077.44

H2O (# / mmcf): 0.0

AS DEL. BTU W/O H2S (Real): 1096.22

BTU Calc: Dry

Sp. Gravity (Real): 0.7819

Field Gravity:

Lab Gravitometer:

GPM Ethane+ (Real): 4.426

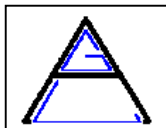
GPM Propane+ (Real): 2.136

GPM IC5+ (Real): 0.450

GPA 2145 / 2172

Fld. Remarks:

Lab Remarks: CP @ LAB 74 PSIG

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GAS ANALYSIS REPORT

Analysis No.: 353000
 Customer: Permian Resources

<u>Component</u>	<u>Mol. %</u>	(Ideal) <u>BTU</u>	(Ideal) <u>SG</u>	(Real) <u>GPM</u>	
Nitrogen	4.6575	0.000	0.045		Producer: Permian Resources
Methane	67.6370	680.995	0.375		Well / Sta. Name: ROBIN FED COM 402H
CO2	7.4800	0.000	0.114		Sta. No.:
Ethane	10.1111	178.376	0.105	2.699	Formation:
H2S	0.0600	0.000	0.001		Field: New Mexico
Propane	5.6877	142.660	0.087	1.564	County:
Iso-Butane	0.6715	21.768	0.013	0.219	API Number: 3002552633
Butane	1.8262	59.390	0.037	0.575	Spot / Composite: SP
Iso-Pentane	0.4682	18.674	0.012	0.171	Date / Time On:
Pentane	0.5081	20.304	0.013	0.184	Date / Time Off: 08/28/25
Hexanes C6+	0.8927	45.645	0.029	0.389	Date to Lab: 08/28/25
					Date Analyzed: 09/04/25
					Effective Date:
Hydrogen	N/A				Sample Press. (PSIG): 139
Helium	N/A				Line Press. (PSIG): 139
Oxygen	N/A				Sample Temp. (F): 113
CO	N/A				Fl. Gas Temp. (F): 113
					Amb. Temp. (F): 95
Totals	100.0000	1167.813	0.829	5.801	Del. To:
					Sampled By: RO
					Cylinder No.: AGL-214

Field H2O (#/mm):

Field H2S (PPM): 600.0

Field H2S (Grains): 37.76

Pressure Base: 14.65**Temp. Base: 60**

Z Factor (Dry): 0.9960558

Z Factor (Act.): 0.9960558

Dry BTU w/ H2S: 1172.82

Sat BTU w/ H2S: 1152.75

As Del. BTU w/ H2S: 1172.82

Dry BTU W/O H2S (Real): 1172.44**Sat. BTU W/O H2S (Real): 1152.38****H2O (# / mmcf): 0.0****AS DEL. BTU W/O H2S (Real): 1172.44***BTU Calc: Dry***Sp. Gravity (Real): 0.8317**

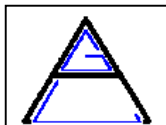
Field Gravity:

Lab Gravitometer:

GPM Ethane+ (Real): 5.801**GPM Propane+ (Real): 3.102****GPM IC5+ (Real): 0.744**

GPA 2145 / 2172

Fld. Remarks:**Lab Remarks: CP @ LAB 112 PSIG**

**ARMSTRONG GAS LABS, INC.**

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GAS ANALYSIS REPORT

Analysis No.: 353001
 Customer: Permian Resources

<u>Component</u>	<u>Mol. %</u>	<u>(Ideal)</u> <u>BTU</u>	<u>(Ideal)</u> <u>SG</u>	<u>(Real)</u> <u>GPM</u>	
Nitrogen	4.2601	0.000	0.041		
Methane	64.5578	649.993	0.358		
CO2	9.7336	0.000	0.148		
Ethane	10.2950	181.620	0.107	2.749	
H2S	0.3000	0.000	0.004		
Propane	5.8616	147.022	0.089	1.613	
Iso-Butane	0.7037	22.812	0.014	0.230	
Butane	1.9241	62.573	0.039	0.606	
Iso-Pentane	0.5256	20.963	0.013	0.192	
Pentane	0.5893	23.549	0.015	0.213	
Hexanes C6+	1.2492	63.874	0.040	0.544	
Hydrogen	N/A				
Helium	N/A				
Oxygen	N/A				
CO	N/A				
Totals	100.0000	1172.407	0.867	6.147	

Producer: Permian Resources
Well / Sta. Name: ROBIN FED COM 112H
Sta. No.:
Formation:
Field: New Mexico
County:
API Number: 3002552629

Spot / Composite: SP
 Date / Time On:
 Date / Time Off: 08/26/25
 Date to Lab: 08/26/25
 Date Analyzed: 09/04/25
 Effective Date:

Sample Press. (PSIG): 140
 Line Press. (PSIG): 140
 Sample Temp. (F): 111
 Fl. Gas Temp. (F): 111
 Amb. Temp. (F): 84

Del. To:
 Sampled By: IF
 Cylinder No.: 462

Field H2O (#/mm):

Field H2S (PPM): 3,000.0
 Field H2S (Grains): 188.80

Pressure Base: 14.65**Temp. Base: 60**

Z Factor (Dry): 0.9957238

Z Factor (Act.): 0.9957238

Dry BTU w/ H2S: 1179.35

Sat BTU w/ H2S: 1159.19

As Del. BTU w/ H2S: 1179.36

Dry BTU W/O H2S (Real): 1177.44**Sat. BTU W/O H2S (Real): 1157.31****H2O (# / mmcf): 0.0****AS DEL. BTU W/O H2S (Real): 1177.44***BTU Calc: Dry***Sp. Gravity (Real): 0.8704**

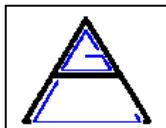
Field Gravity:

Lab Gravitometer:

GPM Ethane+ (Real): 6.147**GPM Propane+ (Real): 3.398****GPM IC5+ (Real): 0.949**

GPA 2145 / 2172

Fld. Remarks:**Lab Remarks:**

**ARMSTRONG GAS LABS, INC.**

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GAS ANALYSIS REPORT

Analysis No.: 353002
 Customer: Permian Resources

<u>Component</u>	<u>Mol. %</u>	(Ideal) <u>BTU</u>	(Ideal) <u>SG</u>	(Real) <u>GPM</u>	
Nitrogen	3.1237	0.000	0.030		
Methane	73.3146	738.160	0.406		
CO2	6.8819	0.000	0.105		
Ethane	8.7009	153.498	0.090	2.322	
H2S	0.0100	0.000	0.000		
Propane	4.6622	116.938	0.071	1.282	
Iso-Butane	0.6265	20.309	0.013	0.205	
Butane	1.5027	48.869	0.030	0.473	
Iso-Pentane	0.3729	14.873	0.009	0.136	
Pentane	0.3461	13.831	0.009	0.125	
Hexanes C6+	0.4585	23.444	0.015	0.200	
Hydrogen	N/A				
Helium	N/A				
Oxygen	N/A				
CO	N/A				
Totals	100.0000	1129.922	0.778	4.743	

Producer: Permian Resources
Well / Sta. Name: ROMEO FEDERAL COM 311H
Sta. No.:
Formation:
Field: New Mexico
County:
API Number: 3002550263

Spot / Composite: SP
 Date / Time On:
 Date / Time Off: 08/26/25
 Date to Lab: 08/28/25
 Date Analyzed: 09/04/25
 Effective Date:

Sample Press. (PSIG): 146
 Line Press. (PSIG): 146
 Sample Temp. (F): 76
 Fl. Gas Temp. (F): 76
 Amb. Temp. (F): 73

Del. To:
 Sampled By: DB
 Cylinder No.: AGL-808

Field H2O (#/mm):

Field H2S (PPM): 100.0
 Field H2S (Grains): 6.29

Pressure Base: 14.65**Temp. Base: 60**

Z Factor (Dry): 0.9964900

Z Factor (Act.): 0.9964900

Dry BTU w/ H2S: 1133.97

Sat BTU w/ H2S: 1114.55

As Del. BTU w/ H2S: 1133.97

Dry BTU W/O H2S (Real): 1133.90**Sat. BTU W/O H2S (Real): 1114.49****H2O (# / mmcf): 0.0****AS DEL. BTU W/O H2S (Real): 1133.90***BTU Calc: Dry***Sp. Gravity (Real): 0.7801**

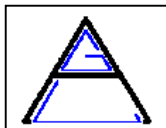
Field Gravity:

Lab Gravitometer:

GPM Ethane+ (Real): 4.743**GPM Propane+ (Real): 2.421****GPM IC5+ (Real): 0.461**

GPA 2145 / 2172

Fld. Remarks:**Lab Remarks:**

**ARMSTRONG GAS LABS, INC.**

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 Monahans, Texas 79756
 (432) 943-8844 (FAX) 943-8855

GAS ANALYSIS REPORT

Analysis No.: 353003
 Customer: Permian Resources

<u>Component</u>	<u>Mol. %</u>	(Ideal) <u>BTU</u>	(Ideal) <u>SG</u>	(Real) <u>GPM</u>	
Nitrogen	1.4909	0.000	0.014		Producer: Permian Resources
Methane	77.6637	781.948	0.430		Well / Sta. Name: OUTLAND STATE UNIT 132H
CO2	0.7449	0.000	0.011		Sta. No.:
Ethane	11.3827	200.809	0.118	3.038	Formation:
H2S	0.0100	0.000	0.000		Field: New Mexico
Propane	5.3109	133.209	0.081	1.460	County:
Iso-Butane	0.6933	22.475	0.014	0.226	API Number: 3002553012
Butane	1.5078	49.035	0.030	0.474	Spot / Composite: SP
Iso-Pentane	0.3486	13.903	0.009	0.127	Date / Time On:
Pentane	0.3327	13.295	0.008	0.120	Date / Time Off: 08/27/25
Hexanes C6+	0.5145	26.307	0.017	0.224	Date to Lab: 08/27/25
					Date Analyzed: 09/04/25
					Effective Date:
Hydrogen	N/A				Sample Press. (PSIG): 145
Helium	N/A				Line Press. (PSIG): 145
Oxygen	N/A				Sample Temp. (F): 84
CO	N/A				Fl. Gas Temp. (F): 84
					Amb. Temp. (F): 88
Totals	100.0000	1240.982	0.733	5.669	Del. To:
					Sampled By: JT
					Cylinder No.: 451

Field H2O (#/mm):

Field H2S (PPM): 100.0

Field H2S (Grains): 6.29

Pressure Base: 14.65**Temp. Base: 60**

Z Factor (Dry): 0.9964184

Z Factor (Act.): 0.9964184

Dry BTU w/ H2S: 1245.51

Sat BTU w/ H2S: 1224.18

As Del. BTU w/ H2S: 1245.51

Dry BTU W/O H2S (Real): 1245.44**Sat. BTU W/O H2S (Real): 1224.12****H2O (# / mmcf): 0.0****AS DEL. BTU W/O H2S (Real): 1245.44***BTU Calc: Dry***Sp. Gravity (Real): 0.7351**

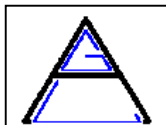
Field Gravity:

Lab Gravitometer:

GPM Ethane+ (Real): 5.669**GPM Propane+ (Real): 2.631****GPM IC5+ (Real): 0.471**

GPA 2145 / 2172

Fld. Remarks:**Lab Remarks:**

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GAS ANALYSIS REPORT

Analysis No.: 353004
 Customer: Permian Resources

<u>Component</u>	<u>Mol. %</u>	(Ideal) <u>BTU</u>	(Ideal) <u>SG</u>	(Real) <u>GPM</u>	
Nitrogen	3.6444	0.000	0.035		
Methane	71.2050	716.919	0.394		
CO2	9.7671	0.000	0.148		
Ethane	8.4628	149.297	0.088	2.258	
H2S	0.0100	0.000	0.000		
Propane	4.1717	104.636	0.064	1.147	
Iso-Butane	0.5054	16.384	0.010	0.165	
Butane	1.2178	39.604	0.024	0.383	
Iso-Pentane	0.3303	13.174	0.008	0.121	
Pentane	0.3134	12.524	0.008	0.113	
Hexanes C6+	0.3721	19.026	0.012	0.162	
Hydrogen	N/A				
Helium	N/A				
Oxygen	N/A				
CO	N/A				
Totals	100.0000	1071.564	0.792	4.349	

Producer: Permian Resources
Well / Sta. Name: SOLOMON FEDERAL COM 105H
Sta. No.:
Formation:
Field: New Mexico
County:
API Number: 3002551763

Spot / Composite: SP
 Date / Time On:
 Date / Time Off: 08/27/25
 Date to Lab: 08/27/25
 Date Analyzed: 09/04/25
 Effective Date:

Sample Press. (PSIG): 148
 Line Press. (PSIG): 148
 Sample Temp. (F): 76
 Fl. Gas Temp. (F): 76
 Amb. Temp. (F): 70

Del. To:
 Sampled By: BT
 Cylinder No.: AGL-443

Field H2O (#/mm):

Field H2S (PPM): 100.0
 Field H2S (Grains): 6.29

Pressure Base: 14.65**Temp. Base: 60**

Z Factor (Dry): 0.9965766

Z Factor (Act.): 0.9965766

Dry BTU w/ H2S: 1075.31

Sat BTU w/ H2S: 1056.89

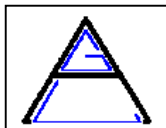
As Del. BTU w/ H2S: 1075.31

Dry BTU W/O H2S (Real): 1075.24**Sat. BTU W/O H2S (Real): 1056.83****H2O (# / mmcf): 0.0****AS DEL. BTU W/O H2S (Real): 1075.24***BTU Calc: Dry***Sp. Gravity (Real): 0.7945**

Field Gravity:

Lab Gravitometer:

GPM Ethane+ (Real): 4.349**GPM Propane+ (Real): 2.091****GPM IC5+ (Real): 0.396****Fld. Remarks:****Lab Remarks:**

**ARMSTRONG GAS LABS, INC.**

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GAS ANALYSIS REPORT

Analysis No.: 353005
 Customer: Permian Resources

<u>Component</u>	<u>Mol. %</u>	(Ideal) <u>BTU</u>	(Ideal) <u>SG</u>	(Real) <u>GPM</u>
Nitrogen	3.0110	0.000	0.029	
Methane	74.9998	755.127	0.415	
CO2	6.6698	0.000	0.101	
Ethane	8.3695	147.651	0.087	2.233
H2S	0.0100	0.000	0.000	
Propane	4.0939	102.684	0.062	1.125
Iso-Butane	0.5215	16.906	0.010	0.170
Butane	1.2487	40.609	0.025	0.393
Iso-Pentane	0.3407	13.588	0.008	0.124
Pentane	0.3139	12.544	0.008	0.113
Hexanes C6+	0.4212	21.537	0.014	0.183
Hydrogen	N/A			
Helium	N/A			
Oxygen	N/A			
CO	N/A			
Totals	100.0000	1110.646	0.761	4.341

Producer: Permian Resources
Well / Sta. Name: JULIET FEDERAL COM 312H
Sta. No.:
Formation:
Field: New Mexico
County:
API Number: 3002550410

Spot / Composite: SP
 Date / Time On:
 Date / Time Off: 08/26/25
 Date to Lab: 08/28/25
 Date Analyzed: 09/04/25
 Effective Date:

Sample Press. (PSIG): 149
 Line Press. (PSIG): 149
 Sample Temp. (F): 78
 Fl. Gas Temp. (F): 78
 Amb. Temp. (F): 73

Del. To:
 Sampled By: DB
 Cylinder No.: AGL-500

Field H2O (#/mm):

Field H2S (PPM): 100.0
 Field H2S (Grains): 6.29

Pressure Base: 14.65**Temp. Base: 60**

Z Factor (Dry): 0.9966526

Z Factor (Act.): 0.9966526

Dry BTU w/ H2S: 1114.44

Sat BTU w/ H2S: 1095.35

As Del. BTU w/ H2S: 1114.44

Dry BTU W/O H2S (Real): 1114.38**Sat. BTU W/O H2S (Real): 1095.29****H2O (# / mmcf): 0.0****AS DEL. BTU W/O H2S (Real): 1114.38***BTU Calc: Dry***Sp. Gravity (Real): 0.7629**

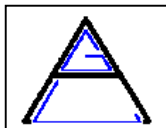
Field Gravity:

Lab Gravitometer:

GPM Ethane+ (Real): 4.341**GPM Propane+ (Real): 2.108****GPM IC5+ (Real): 0.420**

GPA 2145 / 2172

Fld. Remarks:**Lab Remarks:**

**ARMSTRONG GAS LABS, INC.**

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 (432) 943-8844 (FAX) 943-8855

GAS ANALYSIS REPORT

Analysis No.: 353006
 Customer: Permian Resources

<u>Component</u>	<u>Mol. %</u>	(Ideal) <u>BTU</u>	(Ideal) <u>SG</u>	(Real) <u>GPM</u>	
Nitrogen	2.5795	0.000	0.025		Producer: Permian Resources
Methane	69.8049	702.823	0.387		Well / Sta. Name: WINNEBAGO 30 STATE COM 303H
CO ₂	6.7050	0.000	0.102		Sta. No.:
Ethane	10.8077	190.665	0.112	2.885	Formation:
H ₂ S	0.3000	0.000	0.004		Field: New Mexico
Propane	5.6922	142.773	0.087	1.566	County:
Iso-Butane	0.6749	21.878	0.014	0.220	API Number: 3002553701
Butane	1.7481	56.850	0.035	0.550	Spot / Composite: SP
Iso-Pentane	0.4648	18.538	0.012	0.170	Date / Time On:
Pentane	0.4658	18.614	0.012	0.169	Date / Time Off: 08/25/25
Hexanes C ₆ +	0.7571	38.712	0.024	0.330	Date to Lab: 08/26/25
					Date Analyzed: 09/04/25
					Effective Date:
Hydrogen	N/A				Sample Press. (PSIG): 208
Helium	N/A				Line Press. (PSIG): 208
Oxygen	N/A				Sample Temp. (F): 115
CO	N/A				Fl. Gas Temp. (F): 115
					Amb. Temp. (F): 77
Totals	100.0000	1190.853	0.812	5.890	Del. To:
					Sampled By: MG
					Cylinder No.: AGL-191

Field H₂O (#/mm):Field H₂S (PPM): 3,000.0Field H₂S (Grains): 188.80**Pressure Base: 14.65****Temp. Base: 60**

Z Factor (Dry): 0.9960302

Z Factor (Act.): 0.9960302

Dry BTU w/ H₂S: 1197.51Sat BTU w/ H₂S: 1177.02As Del. BTU w/ H₂S: 1197.51**Dry BTU W/O H₂S (Real): 1195.60****Sat. BTU W/O H₂S (Real): 1175.14****H₂O (# / mmcf): 0.0****AS DEL. BTU W/O H₂S (Real): 1195.60***BTU Calc: Dry***Sp. Gravity (Real): 0.8150**

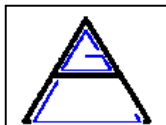
Field Gravity:

Lab Gravitometer:

GPM Ethane+ (Real): 5.890**GPM Propane+ (Real): 3.005****GPM IC₅+ (Real): 0.669**

GPA 2145 / 2172

Fld. Remarks:**Lab Remarks:**

**ARMSTRONG GAS LABS, INC.**

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 Monahans, Texas 79756
 (432) 943-8844 (FAX) 943-8855

GAS ANALYSIS REPORT

Analysis No.: 353008
 Customer: Permian Resources

<u>Component</u>	<u>Mol. %</u>	(Ideal) <u>BTU</u>	(Ideal) <u>SG</u>	(Real) <u>GPM</u>
Nitrogen	3.6284	0.000	0.035	
Methane	70.6328	711.158	0.391	
CO2	10.0859	0.000	0.153	
Ethane	8.4914	149.802	0.088	2.266
H2S	0.0500	0.000	0.001	
Propane	4.2198	105.842	0.064	1.160
Iso-Butane	0.5129	16.627	0.010	0.167
Butane	1.2585	40.928	0.025	0.396
Iso-Pentane	0.3469	13.836	0.009	0.127
Pentane	0.3370	13.467	0.008	0.122
Hexanes C6+	0.4364	22.314	0.014	0.190
Hydrogen	N/A			
Helium	N/A			
Oxygen	N/A			
CO	N/A			
Totals	100.0000	1073.973	0.799	4.428

Producer: Permian Resources
Well / Sta. Name: JULIET FEDERAL COM 114H
Sta. No.:
Formation:
Field: New Mexico
County:
API Number: 3002550270

Spot / Composite: SP
 Date / Time On:
 Date / Time Off: 08/26/25
 Date to Lab: 08/28/25
 Date Analyzed: 09/04/25
 Effective Date:

Sample Press. (PSIG): 165
 Line Press. (PSIG): 165
 Sample Temp. (F): 73
 Fl. Gas Temp. (F): 73
 Amb. Temp. (F): 73

Del. To:
 Sampled By: DB
 Cylinder No.: AGL-96

Field H2O (#/mm):

Field H2S (PPM): 500.0
 Field H2S (Grains): 31.47

Pressure Base: 14.65
Temp. Base: 60

Z Factor (Dry): 0.9965182
 Z Factor (Act.): 0.9965182

Dry BTU w/ H2S: 1078.04

Sat BTU w/ H2S: 1059.58

As Del. BTU w/ H2S: 1078.04

Dry BTU W/O H2S (Real): 1077.73

Sat. BTU W/O H2S (Real): 1059.27

H2O (# / mmcf): 0.0

AS DEL. BTU W/O H2S (Real): 1077.73

BTU Calc: Dry

Sp. Gravity (Real): 0.8017

Field Gravity:

Lab Gravitometer:

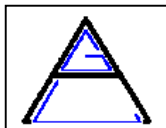
GPM Ethane+ (Real): 4.428

GPM Propane+ (Real): 2.162

GPM IC5+ (Real): 0.439

Fld. Remarks:

Lab Remarks: CP @ LAB 105 PSIG

**ARMSTRONG GAS LABS, INC.**

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 (432) 943-8844 (FAX) 943-8855

GAS ANALYSIS REPORT

Analysis No.: 353009
 Customer: Permian Resources

<u>Component</u>	<u>Mol. %</u>	(Ideal) <u>BTU</u>	(Ideal) <u>SG</u>	(Real) <u>GPM</u>	
Nitrogen	1.7691	0.000	0.017		
Methane	79.1157	796.567	0.438		
CO ₂	4.6133	0.000	0.070		
Ethane	7.6009	134.092	0.079	2.028	
H ₂ S	0.0200	0.000	0.000		
Propane	3.6556	91.691	0.056	1.005	
Iso-Butane	0.5714	18.523	0.011	0.187	
Butane	1.3539	44.030	0.027	0.426	
Iso-Pentane	0.4191	16.715	0.010	0.153	
Pentane	0.3504	14.003	0.009	0.127	
Hexanes C ₆ +	0.5306	27.130	0.017	0.231	
Hydrogen	N/A				
Helium	N/A				
Oxygen	N/A				
CO	N/A				
Totals	100.0000	1142.752	0.735	4.157	

Producer: Permian Resources
Well / Sta. Name: BRIDGE STATE UNIT 29 503H
Sta. No.:
Formation:
Field: New Mexico
County:
API Number: 3002550156

Spot / Composite: SP
 Date / Time On:
 Date / Time Off: 08/22/25
 Date to Lab: 08/26/25
 Date Analyzed: 09/04/25
 Effective Date:

Sample Press. (PSIG): 172
 Line Press. (PSIG): 172
 Sample Temp. (F): 82
 Fl. Gas Temp. (F): 82
 Amb. Temp. (F): 80

Del. To:
 Sampled By: QG
 Cylinder No.: 788

Field H₂O (#/mm):

Field H₂S (PPM): 200.0
 Field H₂S (Grains): 12.59

Pressure Base: 14.65**Temp. Base: 60**

Z Factor (Dry): 0.9966870

Z Factor (Act.): 0.9966870

Dry BTU w/ H₂S: 1146.68Sat BTU w/ H₂S: 1127.04As Del. BTU w/ H₂S: 1146.68**Dry BTU W/O H₂S (Real): 1146.55****Sat. BTU W/O H₂S (Real): 1126.91****H₂O (# / mmcf): 0.0****AS DEL. BTU W/O H₂S (Real): 1146.55***BTU Calc: Dry***Sp. Gravity (Real): 0.7373**

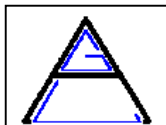
Field Gravity:

Lab Gravitometer:

GPM Ethane+ (Real): 4.157**GPM Propane+ (Real): 2.129****GPM IC₅+ (Real): 0.511**

GPA 2145 / 2172

Fld. Remarks:**Lab Remarks: CP @ LAB 84 PSIG**

**ARMSTRONG GAS LABS, INC.**

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GAS ANALYSIS REPORT

Analysis No.: 353010
 Customer: Permian Resources

<u>Component</u>	<u>Mol. %</u>	(Ideal) <u>BTU</u>	(Ideal) <u>SG</u>	(Real) <u>GPM</u>	
Nitrogen	3.1111	0.000	0.030		
Methane	74.8172	753.288	0.414		
CO2	6.7281	0.000	0.102		
Ethane	8.3962	148.122	0.087	2.240	
H2S	0.0100	0.000	0.000		
Propane	4.1399	103.838	0.063	1.138	
Iso-Butane	0.5059	16.400	0.010	0.165	
Butane	1.2369	40.225	0.025	0.389	
Iso-Pentane	0.3386	13.505	0.008	0.124	
Pentane	0.3237	12.936	0.008	0.117	
Hexanes C6+	0.3924	20.064	0.013	0.171	
Hydrogen	N/A				
Helium	N/A				
Oxygen	N/A				
CO	N/A				
Totals	100.0000	1108.378	0.761	4.344	

Producer: Permian Resources
Well / Sta. Name: JULIET FEDERAL COM 313H
Sta. No.:
Formation:
Field: New Mexico
County:
API Number: 3002550264

Spot / Composite: SP
 Date / Time On:
 Date / Time Off: 08/26/25
 Date to Lab: 08/28/25
 Date Analyzed: 09/04/25
 Effective Date:

Sample Press. (PSIG): 175
 Line Press. (PSIG): 175
 Sample Temp. (F): 77
 Fl. Gas Temp. (F): 77
 Amb. Temp. (F): 73

Del. To:
 Sampled By: DB
 Cylinder No.: AGL-710

Field H2O (#/mm):

Field H2S (PPM): 100.0
 Field H2S (Grains): 6.29

Pressure Base: 14.65
Temp. Base: 60

Z Factor (Dry): 0.9966596
 Z Factor (Act.): 0.9966596

Dry BTU w/ H2S: 1112.16

Sat BTU w/ H2S: 1093.11

As Del. BTU w/ H2S: 1112.16

Dry BTU W/O H2S (Real): 1112.09

Sat. BTU W/O H2S (Real): 1093.04

H2O (# / mmcf): 0.0

AS DEL. BTU W/O H2S (Real): 1112.09

BTU Calc: Dry

Sp. Gravity (Real): 0.7634

Field Gravity:

Lab Gravitometer:

GPM Ethane+ (Real): 4.344

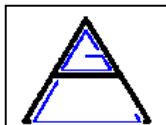
GPM Propane+ (Real): 2.104

GPM IC5+ (Real): 0.412

GPA 2145 / 2172

Fld. Remarks:

Lab Remarks: CP @ LAB 103 PSIG

**ARMSTRONG GAS LABS, INC.**

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GAS ANALYSIS REPORT

Analysis No.: 353011
 Customer: Permian Resources

<u>Component</u>	<u>Mol. %</u>	(Ideal) <u>BTU</u>	(Ideal) <u>SG</u>	(Real) <u>GPM</u>	
Nitrogen	1.7516	0.000	0.017		
Methane	79.6135	801.579	0.441		
CO2	0.4500	0.000	0.007		
Ethane	10.8376	191.193	0.113	2.892	
H2S	0.0010	0.000	0.000		
Propane	4.3378	108.802	0.066	1.192	
Iso-Butane	0.5293	17.158	0.011	0.173	
Butane	1.2163	39.555	0.024	0.383	
Iso-Pentane	0.3261	13.006	0.008	0.119	
Pentane	0.3232	12.916	0.008	0.117	
Hexanes C6+	0.6136	31.374	0.020	0.267	
Hydrogen	N/A				
Helium	N/A				
Oxygen	N/A				
CO	N/A				
Totals	100.0000	1215.584	0.714	5.143	

Producer: Permian Resources
Well / Sta. Name: PALMILLO 10 243H INJECTION
Sta. No.:
Formation:
Field: New Mexico
County:
API Number: N/L

Spot / Composite: SP
 Date / Time On:
 Date / Time Off: 08/25/25
 Date to Lab: 08/27/25
 Date Analyzed: 09/04/25
 Effective Date:

Sample Press. (PSIG): 647
 Line Press. (PSIG): 647
 Sample Temp. (F): 79
 Fl. Gas Temp. (F): 79
 Amb. Temp. (F): 82

Del. To:
 Sampled By: JL
 Cylinder No.: 863

Field H2O (#/mm):

Field H2S (PPM): 10.0
 Field H2S (Grains): 0.63

Pressure Base: 14.65
Temp. Base: 60

Z Factor (Dry): 0.9966135
 Z Factor (Act.): 0.9966135

Dry BTU w/ H2S: 1219.72

Sat BTU w/ H2S: 1198.83

As Del. BTU w/ H2S: 1219.72

Dry BTU W/O H2S (Real): 1219.71

Sat. BTU W/O H2S (Real): 1198.82

H2O (# / mmcf): 0.0

AS DEL. BTU W/O H2S (Real): 1219.71

BTU Calc: Dry

Sp. Gravity (Real): 0.7164

Field Gravity:

Lab Gravitometer:

GPM Ethane+ (Real): 5.143

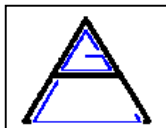
GPM Propane+ (Real): 2.251

GPM IC5+ (Real): 0.503

GPA 2145 / 2172

Fld. Remarks: TAG: NO API PER WHITNEY

Lab Remarks: CP @ LAB 720 PSIG

**ARMSTRONG GAS LABS, INC.**

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GAS ANALYSIS REPORT

Analysis No.: 353012
 Customer: Permian Resources

<u>Component</u>	<u>Mol. %</u>	(Ideal) <u>BTU</u>	(Ideal) <u>SG</u>	(Real) <u>GPM</u>	
Nitrogen	1.7001	0.000	0.016		Producer: Permian Resources
Methane	76.3892	769.116	0.423		Well / Sta. Name: CRUNCH BERRY 6 FED COM 601H INJ
CO2	0.1528	0.000	0.002		Sta. No.:
Ethane	12.1165	213.755	0.126	3.234	Formation:
H2S	0.0000	0.000	0.000		Field: New Mexico
Propane	5.7235	143.558	0.087	1.574	County:
Iso-Butane	0.7120	23.081	0.014	0.233	API Number: N/L
Butane	1.6508	53.685	0.033	0.519	Spot / Composite: SP
Iso-Pentane	0.3964	15.810	0.010	0.145	Date / Time On:
Pentane	0.4014	16.041	0.010	0.145	Date / Time Off: 08/25/25
Hexanes C6+	0.7573	38.722	0.024	0.330	Date to Lab: 08/26/25
					Date Analyzed: 09/04/25
					Effective Date:
Hydrogen	N/A				Sample Press. (PSIG): 867
Helium	N/A				Line Press. (PSIG): 867
Oxygen	N/A				Sample Temp. (F): 105
CO	N/A				Fl. Gas Temp. (F): 105
					Amb. Temp. (F): 84
Totals	100.0000	1273.768	0.746	6.180	Del. To:
					Sampled By: IF
					Cylinder No.: 799

Field H2O (#/mm):**Field H2S (PPM):** 0.0

Field H2S (Grains): 0.0

Pressure Base: 14.65**Temp. Base:** 60

Z Factor (Dry): 0.9962254

Z Factor (Act.): 0.9962254

Dry BTU w/ H2S: 1278.59

Sat BTU w/ H2S: 1256.71

As Del. BTU w/ H2S: 1278.59

Dry BTU W/O H2S (Real): 1278.59**Sat. BTU W/O H2S (Real):** 1256.71**H2O (# / mmcf):** 0.0**AS DEL. BTU W/O H2S (Real):** 1278.59*BTU Calc: Dry***Sp. Gravity (Real):** 0.7490

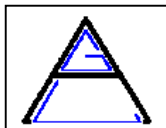
Field Gravity:

Lab Gravitometer:

GPM Ethane+ (Real): 6.180**GPM Propane+ (Real):** 2.946**GPM IC5+ (Real):** 0.620

GPA 2145 / 2172

Fld. Remarks: TAG: NO API PER WHITNEY**Lab Remarks:**

**ARMSTRONG GAS LABS, INC.**

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GAS ANALYSIS REPORT

Analysis No.: 353013
 Customer: Permian Resources

<u>Component</u>	<u>Mol. %</u>	(Ideal) <u>BTU</u>	(Ideal) <u>SG</u>	(Real) <u>GPM</u>	
Nitrogen	1.9833	0.000	0.019		Producer: Permian Resources
Methane	74.1686	746.758	0.411		Well / Sta. Name: WILD SALSA FED COM 226 INJECTION
CO2	5.1288	0.000	0.078		Sta. No.:
Ethane	10.3625	182.811	0.108	2.766	Formation:
H2S	0.0003	0.000	0.000		Field: New Mexico
Propane	5.0289	126.136	0.077	1.383	County:
Iso-Butane	0.6242	20.235	0.013	0.204	API Number: N/L
Butane	1.4561	47.354	0.029	0.458	Spot / Composite: SP
Iso-Pentane	0.3442	13.728	0.009	0.126	Date / Time On:
Pentane	0.3581	14.310	0.009	0.130	Date / Time Off: 08/23/25
Hexanes C6+	0.5450	27.867	0.018	0.237	Date to Lab: 08/26/25
					Date Analyzed: 09/04/25
					Effective Date:
Hydrogen	N/A				Sample Press. (PSIG): 899
Helium	N/A				Line Press. (PSIG): 899
Oxygen	N/A				Sample Temp. (F): 108
CO	N/A				Fl. Gas Temp. (F): 108
					Amb. Temp. (F): 102
Totals	100.0000	1179.199	0.769	5.304	Del. To:
					Sampled By: JT
					Cylinder No.: 824

Field H2O (#/mm):

Field H2S (PPM): 3.0

Field H2S (Grains): 0.19

Pressure Base: 14.65**Temp. Base: 60**

Z Factor (Dry): 0.9963666

Z Factor (Act.): 0.9963666

Dry BTU w/ H2S: 1183.50

Sat BTU w/ H2S: 1163.24

As Del. BTU w/ H2S: 1183.50

Dry BTU W/O H2S (Real): 1183.50**Sat. BTU W/O H2S (Real): 1163.24****H2O (# / mmcf): 0.0****AS DEL. BTU W/O H2S (Real): 1183.50***BTU Calc: Dry***Sp. Gravity (Real): 0.7714**

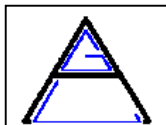
Field Gravity:

Lab Gravitometer:

GPM Ethane+ (Real): 5.304**GPM Propane+ (Real): 2.538****GPM IC5+ (Real): 0.493**

GPA 2145 / 2172

Fld. Remarks: TAG: NO API PER WHITNEY**Lab Remarks:**

**ARMSTRONG GAS LABS, INC.**

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GAS ANALYSIS REPORT

Analysis No.: 353014
 Customer: Permian Resources

<u>Component</u>	<u>Mol. %</u>	(Ideal) <u>BTU</u>	(Ideal) <u>SG</u>	(Real) <u>GPM</u>	
Nitrogen	2.5119	0.000	0.024		Producer: Permian Resources
Methane	77.2456	777.739	0.428		Well / Sta. Name: RAIDER FED COM 703H INJECTION
CO ₂	1.9390	0.000	0.029		Sta. No.:
Ethane	9.8688	174.101	0.102	2.633	Formation:
H ₂ S	0.0001	0.000	0.000		Field: New Mexico
Propane	4.9882	125.115	0.076	1.371	County:
Iso-Butane	0.6401	20.750	0.013	0.209	API Number: N/L
Butane	1.5864	51.591	0.032	0.499	Spot / Composite: SP
Iso-Pentane	0.3675	14.657	0.009	0.134	Date / Time On:
Pentane	0.3773	15.077	0.009	0.136	Date / Time Off: 08/26/25
Hexanes C ₆ +	0.4751	24.293	0.015	0.207	Date to Lab: 08/26/25
					Date Analyzed: 09/04/25
					Effective Date:
Hydrogen	N/A				Sample Press. (PSIG): 916
Helium	N/A				Line Press. (PSIG): 916
Oxygen	N/A				Sample Temp. (F): 104
CO	N/A				Fl. Gas Temp. (F): 104
					Amb. Temp. (F): 80
Totals	100.0000	1203.324	0.739	5.189	Del. To:
					Sampled By: JT
					Cylinder No.: 432

Field H₂O (#/mm):

Field H₂S (PPM): 1.0
 Field H₂S (Grains): 0.06

Pressure Base: 14.65**Temp. Base: 60**

Z Factor (Dry): 0.9965220

Z Factor (Act.): 0.9965220

Dry BTU w/ H₂S: 1207.52Sat BTU w/ H₂S: 1186.85As Del. BTU w/ H₂S: 1207.52**Dry BTU W/O H₂S (Real): 1207.52****Sat. BTU W/O H₂S (Real): 1186.85****H₂O (# / mmcf): 0.0****AS DEL. BTU W/O H₂S (Real): 1207.52***BTU Calc: Dry***Sp. Gravity (Real): 0.7408**

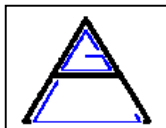
Field Gravity:

Lab Gravitometer:

GPM Ethane+ (Real): 5.189**GPM Propane+ (Real): 2.556****GPM IC₅+ (Real): 0.477**

GPA 2145 / 2172

Fld. Remarks: TAG: NO API PER WHITNEY**Lab Remarks:**

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 (432) 943-8844 (FAX) 943-8855

GAS ANALYSIS REPORT

Analysis No.: 353015
 Customer: Permian Resources

<u>Component</u>	<u>Mol. %</u>	(Ideal) <u>BTU</u>	(Ideal) <u>SG</u>	(Real) <u>GPM</u>	
Nitrogen	1.5867	0.000	0.015		
Methane	78.4973	790.341	0.435		
CO2	0.1675	0.000	0.003		
Ethane	10.9867	193.823	0.114	2.932	
H2S	0.0000	0.000	0.000		
Propane	4.9493	124.140	0.075	1.361	
Iso-Butane	0.6491	21.042	0.013	0.212	
Butane	1.5857	51.568	0.032	0.499	
Iso-Pentane	0.4261	16.994	0.011	0.155	
Pentane	0.4529	18.099	0.011	0.164	
Hexanes C6+	0.6987	35.726	0.022	0.304	
Hydrogen	N/A				
Helium	N/A				
Oxygen	N/A				
CO	N/A				
Totals	100.0000	1251.733	0.731	5.627	

Producer: Permian Resources
 Well / Sta. Name: PALMILLO 26 COMP DISCHARGE
 Sta. No.:
 Formation:
 Field: New Mexico
 County:
 API Number: N/L

Spot / Composite: SP
 Date / Time On:
 Date / Time Off: 08/28/25
 Date to Lab: 08/29/25
 Date Analyzed: 09/04/25
 Effective Date:

Sample Press. (PSIG): 1062
 Line Press. (PSIG): 1062
 Sample Temp. (F): 104
 Fl. Gas Temp. (F): 104
 Amb. Temp. (F): 82

Del. To:
 Sampled By: JL
 Cylinder No.: 792

Field H2O (#/mm):**Field H2S (PPM):** 0.0

Field H2S (Grains): 0.0

Pressure Base: 14.65**Temp. Base: 60**

Z Factor (Dry): 0.9963908

Z Factor (Act.): 0.9963908

Dry BTU w/ H2S: 1256.27

Sat BTU w/ H2S: 1234.76

As Del. BTU w/ H2S: 1256.27

Dry BTU W/O H2S (Real): 1256.27**Sat. BTU W/O H2S (Real): 1234.76****H2O (# / mmcf): 0.0****AS DEL. BTU W/O H2S (Real): 1256.27***BTU Calc: Dry***Sp. Gravity (Real): 0.7337**

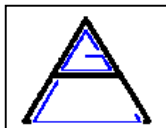
Field Gravity:

Lab Gravitometer:

GPM Ethane+ (Real): 5.627**GPM Propane+ (Real): 2.695****GPM IC5+ (Real): 0.623**

GPA 2145 / 2172

Fld. Remarks: TAG: NO API PER WHITNEY**Lab Remarks:**

**ARMSTRONG GAS LABS, INC.**

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 (432) 943-8844 (FAX) 943-8855

GAS ANALYSIS REPORT

Analysis No.: 353016
 Customer: Permian Resources

<u>Component</u>	<u>Mol. %</u>	(Ideal) <u>BTU</u>	(Ideal) <u>SG</u>	(Real) <u>GPM</u>	
Nitrogen	3.1320	0.000	0.030		
Methane	73.1448	736.450	0.405		
CO2	8.1110	0.000	0.123		
Ethane	8.2601	145.721	0.086	2.204	
H2S	0.0000	0.000	0.000		
Propane	4.1634	104.427	0.063	1.144	
Iso-Butane	0.5560	18.024	0.011	0.182	
Butane	1.3228	43.019	0.027	0.416	
Iso-Pentane	0.3939	15.710	0.010	0.144	
Pentane	0.3620	14.466	0.009	0.131	
Hexanes C6+	0.5540	28.327	0.018	0.241	
Hydrogen	N/A				
Helium	N/A				
Oxygen	N/A				
CO	N/A				
Totals	100.0000	1106.145	0.782	4.462	

Producer: Permian Resources
Well / Sta. Name: SHEBA FED COM 506 INJECTION
Sta. No.:
Formation:
Field: New Mexico
County:
API Number: N/L

Spot / Composite: SP
 Date / Time On:
 Date / Time Off: 08/27/25
 Date to Lab: 08/27/25
 Date Analyzed: 09/04/25
 Effective Date:

Sample Press. (PSIG): 1089
 Line Press. (PSIG): 1089
 Sample Temp. (F): 114
 Fl. Gas Temp. (F): 114
 Amb. Temp. (F): 71

Del. To:
 Sampled By: BT
 Cylinder No.: AGL-858

Field H2O (#/mm):**Field H2S (PPM):** 0.0

Field H2S (Grains): 0.0

Pressure Base: 14.65**Temp. Base:** 60

Z Factor (Dry): 0.9965223

Z Factor (Act.): 0.9965223

Dry BTU w/ H2S: 1110.00

Sat BTU w/ H2S: 1091.00

As Del. BTU w/ H2S: 1110.00

Dry BTU W/O H2S (Real): 1110.00**Sat. BTU W/O H2S (Real):** 1091.00**H2O (# / mmcf):** 0.0**AS DEL. BTU W/O H2S (Real):** 1110.00*BTU Calc: Dry***Sp. Gravity (Real):** 0.7846

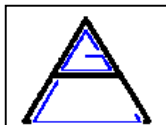
Field Gravity:

Lab Gravitometer:

GPM Ethane+ (Real): 4.462**GPM Propane+ (Real):** 2.258**GPM IC5+ (Real):** 0.516

GPA 2145 / 2172

Fld. Remarks: TAG: NO API PER WHITNEY**Lab Remarks:** SLT FREE LIQ: H2O / CP @ LAB 960 PSIG

**ARMSTRONG GAS LABS, INC.**

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 Monahans, Texas 79756
 (432) 943-8844 (FAX) 943-8855

GAS ANALYSIS REPORT

Analysis No.: 353017
 Customer: Permian Resources

<u>Component</u>	<u>Mol. %</u>	(Ideal) <u>BTU</u>	(Ideal) <u>SG</u>	(Real) <u>GPM</u>	
Nitrogen	1.7126	0.000	0.017		Producer: Permian Resources
Methane	78.3828	789.188	0.434		Well / Sta. Name: PALMILLO 3-10 COMPRESSOR RECYCLE
CO2	0.4478	0.000	0.007		Sta. No.:
Ethane	11.1204	196.182	0.115	2.968	Formation:
H2S	0.0004	0.000	0.000		Field: New Mexico
Propane	4.7208	118.408	0.072	1.298	County:
Iso-Butane	0.6080	19.710	0.012	0.199	API Number: N/L
Butane	1.4190	46.147	0.028	0.446	Spot / Composite: SP
Iso-Pentane	0.4090	16.312	0.010	0.149	Date / Time On:
Pentane	0.4140	16.544	0.010	0.150	Date / Time Off: 08/14/25
Hexanes C6+	0.7652	39.126	0.025	0.333	Date to Lab: 08/27/25
					Date Analyzed: 09/04/25
					Effective Date:
Hydrogen	N/A				Sample Press. (PSIG): 1236
Helium	N/A				Line Press. (PSIG): 1236
Oxygen	N/A				Sample Temp. (F): 127
CO	N/A				Fl. Gas Temp. (F): 127
					Amb. Temp. (F): 93
Totals	100.0000	1241.618	0.731	5.543	Del. To:
					Sampled By: PP
					Cylinder No.: 768

Field H2O (#/mm):

Field H2S (PPM): 4.0

Field H2S (Grains): 0.25

Pressure Base: 14.65**Temp. Base: 60**

Z Factor (Dry): 0.9964243

Z Factor (Act.): 0.9964243

Dry BTU w/ H2S: 1246.08

Sat BTU w/ H2S: 1224.74

As Del. BTU w/ H2S: 1246.08

Dry BTU W/O H2S (Real): 1246.07**Sat. BTU W/O H2S (Real): 1224.74****H2O (# / mmcf): 0.0****AS DEL. BTU W/O H2S (Real): 1246.07***BTU Calc: Dry***Sp. Gravity (Real): 0.7330**

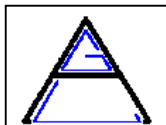
Field Gravity:

Lab Gravitometer:

GPM Ethane+ (Real): 5.543**GPM Propane+ (Real): 2.575****GPM IC5+ (Real): 0.632**

GPA 2145 / 2172

Fld. Remarks: TAG: NO API PER WHITNEY**Lab Remarks: HIGH TEMP / CP @ LAB 1030 PSIG**

**ARMSTRONG GAS LABS, INC.**

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GAS ANALYSIS REPORT

Analysis No.: 551883
 Customer: Permian Resources

<u>Component</u>	<u>Mol. %</u>	(Ideal) <u>BTU</u>	(Ideal) <u>SG</u>	(Real) <u>GPM</u>	
Nitrogen	1.5988	0.000	0.015		Producer: Permian Resources
Methane	78.9566	794.966	0.437		Well / Sta. Name: PALMILLO 14-15 SALES CHECK
CO2	0.2381	0.000	0.004		Sta. No.:
Ethane	11.0414	194.788	0.115	2.947	Formation:
H2S	0.0001	0.000	0.000		Field: New Mexico
Propane	4.7160	118.288	0.072	1.296	County:
Iso-Butane	0.5952	19.295	0.012	0.194	API Number: N/L
Butane	1.3682	44.495	0.027	0.430	Spot / Composite: SP
Iso-Pentane	0.3560	14.199	0.009	0.130	Date / Time On:
Pentane	0.3778	15.097	0.009	0.137	Date / Time Off: 08/25/25
Hexanes C6+	0.7518	38.441	0.024	0.327	Date to Lab: 08/25/25
					Date Analyzed: 09/04/25
					Effective Date:
Hydrogen	N/A				Sample Press. (PSIG): 29
Helium	N/A				Line Press. (PSIG): 29
Oxygen	N/A				Sample Temp. (F): 82
CO	N/A				Fl. Gas Temp. (F): 82
					Amb. Temp. (F): 79
Totals	100.0000	1239.568	0.725	5.461	Del. To:
					Sampled By: RO
					Cylinder No.: AGL-667

Field H2O (#/mm):**Field H2S (PPM):** 0.5

Field H2S (Grains): 0.03

Pressure Base: 14.65**Temp. Base:** 60

Z Factor (Dry): 0.9964669

Z Factor (Act.): 0.9964669

Dry BTU w/ H2S: 1243.96

Sat BTU w/ H2S: 1222.66

As Del. BTU w/ H2S: 1243.96

Dry BTU W/O H2S (Real): 1243.96**Sat. BTU W/O H2S (Real):** 1222.66**H2O (# / mmcf):** 0.0**AS DEL. BTU W/O H2S (Real):** 1243.96*BTU Calc: Dry***Sp. Gravity (Real):** 0.7270

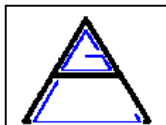
Field Gravity:

Lab Gravitometer:

GPM Ethane+ (Real): 5.461**GPM Propane+ (Real):** 2.514**GPM IC5+ (Real):** 0.594

GPA 2145 / 2172

Fld. Remarks: TAG: NO API PER WHITNEY**Lab Remarks:** CP @ LAB 38 PSIG

**ARMSTRONG GAS LABS, INC.**

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GAS ANALYSIS REPORT

Analysis No.: 551884
 Customer: Permian Resources

<u>Component</u>	<u>Mol. %</u>	(Ideal) <u>BTU</u>	(Ideal) <u>SG</u>	(Real) <u>GPM</u>	
Nitrogen	1.4890	0.000	0.014		
Methane	78.8671	794.064	0.437		
CO2	0.2999	0.000	0.005		
Ethane	11.0554	195.035	0.115	2.950	
H2S	0.0001	0.000	0.000		
Propane	4.7482	119.096	0.072	1.305	
Iso-Butane	0.6081	19.713	0.012	0.199	
Butane	1.4048	45.685	0.028	0.442	
Iso-Pentane	0.3614	14.414	0.009	0.132	
Pentane	0.3831	15.309	0.010	0.139	
Hexanes C6+	0.7829	40.031	0.025	0.341	
Hydrogen	N/A				
Helium	N/A				
Oxygen	N/A				
CO	N/A				
Totals	100.0000	1243.347	0.727	5.508	

Producer: Permian Resources
 Well / Sta. Name: PALMILLO 14-15 SALES CK #2
 Sta. No.:
 Formation:
 Field: New Mexico
 County:
 API Number: N/L

Spot / Composite: SP
 Date / Time On:
 Date / Time Off: 08/25/25
 Date to Lab: 08/25/25
 Date Analyzed: 09/04/25
 Effective Date:

Sample Press. (PSIG): 31
 Line Press. (PSIG): 31
 Sample Temp. (F): 89
 Fl. Gas Temp. (F): 89
 Amb. Temp. (F): 79

Del. To:
 Sampled By: RO
 Cylinder No.: AGL-662

Field H2O (#/mm):**Field H2S (PPM):** 0.5

Field H2S (Grains): 0.03

Pressure Base: 14.65**Temp. Base: 60**

Z Factor (Dry): 0.9964362

Z Factor (Act.): 0.9964362

Dry BTU w/ H2S: 1247.80

Sat BTU w/ H2S: 1226.43

As Del. BTU w/ H2S: 1247.79

Dry BTU W/O H2S (Real): 1247.79**Sat. BTU W/O H2S (Real): 1226.43****H2O (# / mmcf): 0.0****AS DEL. BTU W/O H2S (Real): 1247.79***BTU Calc: Dry***Sp. Gravity (Real): 0.7293**

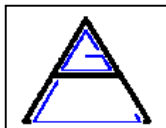
Field Gravity:

Lab Gravitometer:

GPM Ethane+ (Real): 5.508**GPM Propane+ (Real): 2.558****GPM IC5+ (Real): 0.612**

GPA 2145 / 2172

Fld. Remarks: TAG: NO API PER WHITNEY**Lab Remarks: CP @ LAB 40 PSIG**

**ARMSTRONG GAS LABS, INC.**

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GAS ANALYSIS REPORT

Analysis No.: 551885
 Customer: Permian Resources

<u>Component</u>	<u>Mol. %</u>	(Ideal) <u>BTU</u>	(Ideal) <u>SG</u>	(Real) <u>GPM</u>	
Nitrogen	1.6552	0.000	0.016		
Methane	77.5536	780.840	0.430		
CO2	0.6764	0.000	0.010		
Ethane	11.0059	194.162	0.114	2.938	
H2S	0.0020	0.000	0.000		
Propane	4.7438	118.985	0.072	1.304	
Iso-Butane	0.6103	19.784	0.012	0.199	
Butane	1.4560	47.350	0.029	0.458	
Iso-Pentane	0.4460	17.788	0.011	0.163	
Pentane	0.4801	19.186	0.012	0.174	
Hexanes C6+	1.3707	70.086	0.044	0.597	
Hydrogen	N/A				
Helium	N/A				
Oxygen	N/A				
CO	N/A				
Totals	100.0000	1268.181	0.751	5.833	

Producer: Permian Resources
Well / Sta. Name: PALMILLO 3-10 SLIM VRU
Sta. No.:
Formation:
Field: New Mexico
County:
API Number: N/L

Spot / Composite: SP
 Date / Time On:
 Date / Time Off: 08/22/25
 Date to Lab: 08/25/25
 Date Analyzed: 09/04/25
 Effective Date:

Sample Press. (PSIG): 66
 Line Press. (PSIG): 66
 Sample Temp. (F): 113
 Fl. Gas Temp. (F): 113
 Amb. Temp. (F): 88

Del. To:
 Sampled By: PP
 Cylinder No.: 777

Field H2O (#/mm):

Field H2S (PPM): 20.0
 Field H2S (Grains): 1.26

Pressure Base: 14.65**Temp. Base: 60**

Z Factor (Dry): 0.9961776

Z Factor (Act.): 0.9961776

Dry BTU w/ H2S: 1273.06

Sat BTU w/ H2S: 1251.27

As Del. BTU w/ H2S: 1273.06

Dry BTU W/O H2S (Real): 1273.05**Sat. BTU W/O H2S (Real): 1251.26****H2O (# / mmcf): 0.0****AS DEL. BTU W/O H2S (Real): 1273.05***BTU Calc: Dry***Sp. Gravity (Real): 0.7536**

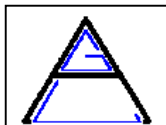
Field Gravity:

Lab Gravitometer:

GPM Ethane+ (Real): 5.833**GPM Propane+ (Real): 2.895****GPM IC5+ (Real): 0.934**

GPA 2145 / 2172

Fld. Remarks: TAG: NO API PER WHITNEY**Lab Remarks: CP @ LAB 91 PSIG**

**ARMSTRONG GAS LABS, INC.**

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 (432) 943-8844 (FAX) 943-8855

GAS ANALYSIS REPORT

Analysis No.: 551886
 Customer: Permian Resources

<u>Component</u>	<u>Mol. %</u>	(Ideal) <u>BTU</u>	(Ideal) <u>SG</u>	(Real) <u>GPM</u>
Nitrogen	1.7629	0.000	0.017	
Methane	79.1580	796.993	0.438	
CO2	0.4470	0.000	0.007	
Ethane	10.8640	191.658	0.113	2.899
H2S	0.0003	0.000	0.000	
Propane	4.4786	112.333	0.068	1.231
Iso-Butane	0.5539	17.956	0.011	0.181
Butane	1.2453	40.498	0.025	0.392
Iso-Pentane	0.3271	13.046	0.008	0.119
Pentane	0.3209	12.824	0.008	0.116
Hexanes C6+	0.8420	43.053	0.027	0.367
Hydrogen	N/A			
Helium	N/A			
Oxygen	N/A			
CO	N/A			
Totals	100.0000	1228.362	0.723	5.305

Producer: Permian Resources
Well / Sta. Name: PALMILLO 10231H TESTER
Sta. No.:
Formation:
Field: New Mexico
County:
API Number: N/L

Spot / Composite: SP
 Date / Time On:
 Date / Time Off: 08/21/25
 Date to Lab: 08/25/25
 Date Analyzed: 09/04/25
 Effective Date:

Sample Press. (PSIG): 67
 Line Press. (PSIG): 67
 Sample Temp. (F): N/L
 Fl. Gas Temp. (F): N/L
 Amb. Temp. (F): 91

Del. To:
 Sampled By: PP
 Cylinder No.: 697

Field H2O (#/mm):

Field H2S (PPM): 2.5
 Field H2S (Grains): 0.16

Pressure Base: 14.65**Temp. Base: 60**

Z Factor (Dry): 0.9965134

Z Factor (Act.): 0.9965134

Dry BTU w/ H2S: 1232.66

Sat BTU w/ H2S: 1211.55

As Del. BTU w/ H2S: 1232.66

Dry BTU W/O H2S (Real): 1232.66**Sat. BTU W/O H2S (Real): 1211.55****H2O (# / mmcf): 0.0****AS DEL. BTU W/O H2S (Real): 1232.66***BTU Calc: Dry***Sp. Gravity (Real): 0.7249**

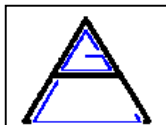
Field Gravity:

Lab Gravitometer:

GPM Ethane+ (Real): 5.305**GPM Propane+ (Real): 2.406****GPM IC5+ (Real): 0.602**

GPA 2145 / 2172

Fld. Remarks: TAG: NO API PER WHITNEY**Lab Remarks: SAMPLE TEMP N/L**

**ARMSTRONG GAS LABS, INC.**

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GAS ANALYSIS REPORT

Analysis No.: 551887
 Customer: Permian Resources

<u>Component</u>	<u>Mol. %</u>	(Ideal) <u>BTU</u>	(Ideal) <u>SG</u>	(Real) <u>GPM</u>	
Nitrogen	1.6871	0.000	0.016		
Methane	79.1097	796.507	0.438		
CO2	0.4030	0.000	0.006		
Ethane	10.8379	191.198	0.113	2.892	
H2S	0.0002	0.000	0.000		
Propane	4.4872	112.549	0.068	1.234	
Iso-Butane	0.5683	18.423	0.011	0.186	
Butane	1.3288	43.214	0.027	0.418	
Iso-Pentane	0.3976	15.858	0.010	0.145	
Pentane	0.4380	17.503	0.011	0.158	
Hexanes C6+	0.7422	37.950	0.024	0.323	
Hydrogen	N/A				
Helium	N/A				
Oxygen	N/A				
CO	N/A				
Totals	100.0000	1233.201	0.724	5.356	

Producer: Permian Resources
Well / Sta. Name: PALMILLO 333H TESTER
Sta. No.:
Formation:
Field: New Mexico
County:
API Number: N/L

Spot / Composite: SP
 Date / Time On:
 Date / Time Off: 08/22/25
 Date to Lab: 08/25/25
 Date Analyzed: 09/04/25
 Effective Date:

Sample Press. (PSIG): 69
 Line Press. (PSIG): 69
 Sample Temp. (F): 80
 Fl. Gas Temp. (F): 80
 Amb. Temp. (F): 76

Del. To:
 Sampled By: PP
 Cylinder No.: 665

Field H2O (#/mm):

Field H2S (PPM): 1.5
 Field H2S (Grains): 0.09

Pressure Base: 14.65**Temp. Base: 60**

Z Factor (Dry): 0.9964907

Z Factor (Act.): 0.9964907

Dry BTU w/ H2S: 1237.55

Sat BTU w/ H2S: 1216.36

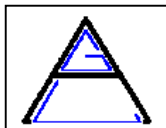
As Del. BTU w/ H2S: 1237.55

Dry BTU W/O H2S (Real): 1237.54**Sat. BTU W/O H2S (Real): 1216.35****H2O (# / mmcf): 0.0****AS DEL. BTU W/O H2S (Real): 1237.54***BTU Calc: Dry***Sp. Gravity (Real): 0.7265**

Field Gravity:

Lab Gravitometer:

GPM Ethane+ (Real): 5.356**GPM Propane+ (Real): 2.464****GPM IC5+ (Real): 0.626****Fld. Remarks: TAG: NO API PER WHITNEY****Lab Remarks:**

**ARMSTRONG GAS LABS, INC.**

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GAS ANALYSIS REPORT

Analysis No.: 551888
 Customer: Permian Resources

<u>Component</u>	<u>Mol. %</u>	(Ideal) <u>BTU</u>	(Ideal) <u>SG</u>	(Real) <u>GPM</u>
Nitrogen	1.6480	0.000	0.016	
Methane	72.5149	730.108	0.402	
CO2	0.2217	0.000	0.003	
Ethane	12.5811	221.951	0.131	3.360
H2S	0.0025	0.000	0.000	
Propane	7.1782	180.045	0.109	1.975
Iso-Butane	0.9692	31.419	0.019	0.317
Butane	2.5289	82.242	0.051	0.796
Iso-Pentane	0.6320	25.207	0.016	0.231
Pentane	0.6448	25.767	0.016	0.233
Hexanes C6+	1.0787	55.156	0.035	0.470
Hydrogen	N/A			
Helium	N/A			
Oxygen	N/A			
CO	N/A			
Totals	100.0000	1351.894	0.798	7.382

Producer: Permian Resources
Well / Sta. Name: AIR STREAM SUPPLY FMP
Sta. No.:
Formation:
Field: New Mexico
County:
API Number: N/L

Spot / Composite: SP
 Date / Time On:
 Date / Time Off: 08/22/25
 Date to Lab: 08/22/25
 Date Analyzed: 09/04/25
 Effective Date:

Sample Press. (PSIG): 114
 Line Press. (PSIG): 114
 Sample Temp. (F): 119
 Fl. Gas Temp. (F): 119
 Amb. Temp. (F): 76

Del. To:
 Sampled By: MG
 Cylinder No.: AGL-173

Field H2O (#/mm):

Field H2S (PPM): 25.0
 Field H2S (Grains): 1.57

Pressure Base: 14.65**Temp. Base: 60**

Z Factor (Dry): 0.9956071

Z Factor (Act.): 0.9956071

Dry BTU w/ H2S: 1357.87

Sat BTU w/ H2S: 1334.66

As Del. BTU w/ H2S: 1357.88

Dry BTU W/O H2S (Real): 1357.86**Sat. BTU W/O H2S (Real): 1334.65****H2O (# / mmcf): 0.0****AS DEL. BTU W/O H2S (Real): 1357.86***BTU Calc: Dry***Sp. Gravity (Real): 0.8008**

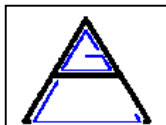
Field Gravity:

Lab Gravitometer:

GPM Ethane+ (Real): 7.382**GPM Propane+ (Real): 4.022****GPM IC5+ (Real): 0.934**

GPA 2145 / 2172

Fld. Remarks: TAG: NO API PER WHITNEY**Lab Remarks:**

**ARMSTRONG GAS LABS, INC.**

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 (432) 943-8844 (FAX) 943-8855

GAS ANALYSIS REPORT

Analysis No.: 551889
 Customer: Permian Resources

<u>Component</u>	<u>Mol. %</u>	(Ideal) <u>BTU</u>	(Ideal) <u>SG</u>	(Real) <u>GPM</u>	
Nitrogen	1.4547	0.000	0.014		
Methane	78.9588	794.988	0.437		
CO2	0.2391	0.000	0.004		
Ethane	11.1623	196.921	0.116	2.979	
H2S	0.0001	0.000	0.000		
Propane	4.8047	120.513	0.073	1.321	
Iso-Butane	0.6145	19.920	0.012	0.201	
Butane	1.4141	45.988	0.028	0.445	
Iso-Pentane	0.3603	14.370	0.009	0.131	
Pentane	0.3746	14.970	0.009	0.135	
Hexanes C6+	0.6168	31.538	0.020	0.269	
Hydrogen	N/A				
Helium	N/A				
Oxygen	N/A				
CO	N/A				
Totals	100.0000	1239.207	0.723	5.481	

Producer: Permian Resources
Well / Sta. Name: PALMILLO 14-15 COMP FUEL
Sta. No.:
Formation:
Field: New Mexico
County:
API Number: N/L

Spot / Composite: SP
 Date / Time On:
 Date / Time Off: 08/25/25
 Date to Lab: 08/25/25
 Date Analyzed: 09/04/25
 Effective Date:

Sample Press. (PSIG): 134
 Line Press. (PSIG): 134
 Sample Temp. (F): 74
 Fl. Gas Temp. (F): 74
 Amb. Temp. (F): 89

Del. To:
 Sampled By: RO
 Cylinder No.: AGL-61

Field H2O (#/mm):

Field H2S (PPM): 1.0
 Field H2S (Grains): 0.06

Pressure Base: 14.65**Temp. Base: 60**

Z Factor (Dry): 0.9964817

Z Factor (Act.): 0.9964817

Dry BTU w/ H2S: 1243.58

Sat BTU w/ H2S: 1222.29

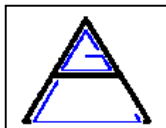
As Del. BTU w/ H2S: 1243.58

Dry BTU W/O H2S (Real): 1243.58**Sat. BTU W/O H2S (Real): 1222.29****H2O (# / mmcf): 0.0****AS DEL. BTU W/O H2S (Real): 1243.58***BTU Calc: Dry***Sp. Gravity (Real): 0.7252**

Field Gravity:

Lab Gravitometer:

GPM Ethane+ (Real): 5.481**GPM Propane+ (Real): 2.502****GPM IC5+ (Real): 0.535****Fld. Remarks: TAG: NO API PER WHITNEY****Lab Remarks:**

**ARMSTRONG GAS LABS, INC.**

P.O. Box 988
 Monahans, Texas 79756
 (432) 943-8844 (FAX) 943-8855

GAS ANALYSIS REPORT

Analysis No.: 551890
 Customer: Permian Resources

<u>Component</u>	<u>Mol. %</u>	<u>(Ideal)</u> <u>BTU</u>	<u>(Ideal)</u> <u>SG</u>	<u>(Real)</u> <u>GPM</u>	
Nitrogen	3.6665	0.000	0.035		
Methane	68.7269	691.969	0.381		
CO2	7.4280	0.000	0.113		
Ethane	9.9766	176.003	0.104	2.663	
H2S	0.0700	0.000	0.001		
Propane	5.6490	141.690	0.086	1.554	
Iso-Butane	0.7341	23.797	0.015	0.240	
Butane	1.8976	61.712	0.038	0.597	
Iso-Pentane	0.5149	20.536	0.013	0.188	
Pentane	0.5454	21.795	0.014	0.197	
Hexanes C6+	0.7910	40.445	0.025	0.345	
Hydrogen	N/A				
Helium	N/A				
Oxygen	N/A				
CO	N/A				
Totals	100.0000	1177.947	0.824	5.784	

Producer: Permian Resources
Well / Sta. Name: TOUR BUS 23 FED COM 303H
Sta. No.:
Formation:
Field: New Mexico
County:
API Number: 3002553691

Spot / Composite: SP
 Date / Time On:
 Date / Time Off: 08/22/25
 Date to Lab: 08/22/25
 Date Analyzed: 09/04/25
 Effective Date:

Sample Press. (PSIG): 142
 Line Press. (PSIG): 142
 Sample Temp. (F): 120
 Fl. Gas Temp. (F): 120
 Amb. Temp. (F): 84

Del. To:
 Sampled By: MG
 Cylinder No.: AGL-507

Field H2O (#/mm):

Field H2S (PPM): 700.0
 Field H2S (Grains): 44.05

Pressure Base: 14.65**Temp. Base: 60**

Z Factor (Dry): 0.9960307

Z Factor (Act.): 0.9960307

Dry BTU w/ H2S: 1183.09

Sat BTU w/ H2S: 1162.85

As Del. BTU w/ H2S: 1183.09

Dry BTU W/O H2S (Real): 1182.64**Sat. BTU W/O H2S (Real): 1162.41****H2O (# / mmcf): 0.0****AS DEL. BTU W/O H2S (Real): 1182.64***BTU Calc: Dry***Sp. Gravity (Real): 0.8270**

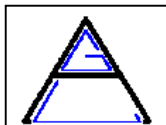
Field Gravity:

Lab Gravitometer:

GPM Ethane+ (Real): 5.784**GPM Propane+ (Real): 3.121****GPM IC5+ (Real): 0.730**

GPA 2145 / 2172

Fld. Remarks:**Lab Remarks: HIGH TEMP**

**ARMSTRONG GAS LABS, INC.**

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 Monahans, Texas 79756
 (432) 943-8844 (FAX) 943-8855

GAS ANALYSIS REPORT

Analysis No.: 551891
 Customer: Permian Resources

<u>Component</u>	<u>Mol. %</u>	(Ideal) <u>BTU</u>	(Ideal) <u>SG</u>	(Real) <u>GPM</u>	
Nitrogen	1.4954	0.000	0.014		Producer: Permian Resources
Methane	79.8883	804.346	0.443		Well / Sta. Name: PALMILLO 14-15 COMP DISCHARGE
CO2	0.2614	0.000	0.004		Sta. No.:
Ethane	11.0569	195.061	0.115	2.950	Formation:
H2S	0.0001	0.000	0.000		Field: New Mexico
Propane	4.6051	115.506	0.070	1.266	County:
Iso-Butane	0.5595	18.137	0.011	0.183	API Number: N/L
Butane	1.2505	40.667	0.025	0.393	Spot / Composite: SP
Iso-Pentane	0.2847	11.355	0.007	0.104	Date / Time On:
Pentane	0.2817	11.257	0.007	0.102	Date / Time Off: 08/25/25
Hexanes C6+	0.3164	16.178	0.010	0.138	Date to Lab: 08/25/25
					Date Analyzed: 09/04/25
					Effective Date:
Hydrogen	N/A				Sample Press. (PSIG): 963
Helium	N/A				Line Press. (PSIG): 963
Oxygen	N/A				Sample Temp. (F): 113
CO	N/A				Fl. Gas Temp. (F): 113
					Amb. Temp. (F): 86
Totals	100.0000	1212.509	0.706	5.136	Del. To:
					Sampled By: RO
					Cylinder No.: AGL-466

Field H2O (#/mm):

Field H2S (PPM): 1.0
 Field H2S (Grains): 0.06

Pressure Base: 14.65**Temp. Base: 60**

Z Factor (Dry): 0.9966790

Z Factor (Act.): 0.9966790

Dry BTU w/ H2S: 1216.55

Sat BTU w/ H2S: 1195.71

As Del. BTU w/ H2S: 1216.55

Dry BTU W/O H2S (Real): 1216.55**Sat. BTU W/O H2S (Real): 1195.71****H2O (# / mmcf): 0.0****AS DEL. BTU W/O H2S (Real): 1216.55***BTU Calc: Dry***Sp. Gravity (Real): 0.7085**

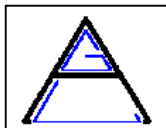
Field Gravity:

Lab Gravitometer:

GPM Ethane+ (Real): 5.136**GPM Propane+ (Real): 2.186****GPM IC5+ (Real): 0.344**

GPA 2145 / 2172

Fld. Remarks: TAG: NO API PER WHITNEY**Lab Remarks:**

**ARMSTRONG GAS LABS, INC.**

P.O. Box 988
 Monahans, Texas 79756
 (432) 943-8844 (FAX) 943-8855

GAS ANALYSIS REPORT

Analysis No.: 551892
 Customer: Permian Resources

<u>Component</u>	<u>Mol. %</u>	(Ideal) <u>BTU</u>	(Ideal) <u>SG</u>	(Real) <u>GPM</u>	
Nitrogen	2.2988	0.000	0.022		Producer: Permian Resources
Methane	74.9100	754.223	0.415		Well / Sta. Name: BRIDGE STATE UNIT 301H INJECTION
CO2	2.3359	0.000	0.035		Sta. No.:
Ethane	11.3737	200.650	0.118	3.035	Formation:
H2S	0.0015	0.000	0.000		Field: New Mexico
Propane	5.9609	149.513	0.091	1.639	County:
Iso-Butane	0.6967	22.585	0.014	0.228	API Number: N/L
Butane	1.5938	51.832	0.032	0.501	Spot / Composite: SP
Iso-Pentane	0.2825	11.267	0.007	0.103	Date / Time On:
Pentane	0.2492	9.958	0.006	0.090	Date / Time Off: 08/22/25
Hexanes C6+	0.2970	15.186	0.010	0.129	Date to Lab: 08/25/25
					Date Analyzed: 09/04/25
					Effective Date:
Hydrogen	N/A				Sample Press. (PSIG): 1112
Helium	N/A				Line Press. (PSIG): 1112
Oxygen	N/A				Sample Temp. (F): 117
CO	N/A				Fl. Gas Temp. (F): 117
					Amb. Temp. (F): 90
Totals	100.0000	1215.214	0.750	5.725	Del. To:
					Sampled By: DB
					Cylinder No.: AGL-809

Field H2O (#/mm):

Field H2S (PPM): 15.0

Field H2S (Grains): 0.94

Pressure Base: 14.65**Temp. Base: 60**

Z Factor (Dry): 0.9964123

Z Factor (Act.): 0.9964123

Dry BTU w/ H2S: 1219.60

Sat BTU w/ H2S: 1198.72

As Del. BTU w/ H2S: 1219.60

Dry BTU W/O H2S (Real): 1219.59**Sat. BTU W/O H2S (Real): 1198.71****H2O (# / mmcf): 0.0****AS DEL. BTU W/O H2S (Real): 1219.59***BTU Calc: Dry***Sp. Gravity (Real): 0.7527**

Field Gravity:

Lab Gravitometer:

GPM Ethane+ (Real): 5.725**GPM Propane+ (Real): 2.690****GPM IC5+ (Real): 0.322**

GPA 2145 / 2172

Fld. Remarks: TAG: NO API PER WHITNEY**Lab Remarks:**

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.

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

DEFINITIONS

Action 506924

DEFINITIONS

Operator: Permian Resources Operating, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	OGRID: 372165
	Action Number: 506924
	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.

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QUESTIONS

Action 506924

QUESTIONS

Operator: Permian Resources Operating, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	OGRID: 372165
	Action Number: 506924
	Action Type: [C-129] Venting and/or Flaring (C-129)

QUESTIONS

Prerequisites <i>Any messages presented in this section, will prevent submission of this application. Please resolve these issues before continuing with the rest of the questions.</i>	
Incident Well	Unavailable.
Incident Facility	[fAPP2234938894] Winnebago 30 CTB 2

Determination of Reporting Requirements <i>Answer all questions that apply. The Reason(s) statements are calculated based on your answers and may provide additional guidance.</i>	
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/or flaring of natural gas.
<i>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.</i>	
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 <i>Please provide the mole percent for the percentage questions in this group.</i>	
Methane (CH4) percentage	69
Nitrogen (N2) percentage, if greater than one percent	3
Hydrogen Sulfide (H2S) PPM, rounded up	0
Carbon Dioxide (CO2) percentage, if greater than one percent	8
Oxygen (O2) percentage, if greater than one percent	0
<i>If you are venting and/or flaring because of Pipeline Specification, please provide the required specifications for each gas.</i>	
Methane (CH4) percentage quality requirement	Not answered.
Nitrogen (N2) percentage quality requirement	Not answered.
Hydrogen Sulfide (H2S) PPM quality requirement	Not answered.
Carbon Dioxide (CO2) percentage quality requirement	Not answered.
Oxygen (O2) percentage quality requirement	Not answered.

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QUESTIONS, Page 2

Action 506924

QUESTIONS (continued)

Operator: Permian Resources Operating, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	OGRID: 372165
	Action Number: 506924
	Action Type: [C-129] Venting and/or Flaring (C-129)

QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	09/05/2025
Time vent or flare was discovered or commenced	06:00 AM
Time vent or flare was terminated	09:00 PM
Cumulative hours during this event	15

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 Tank (Any) Natural Gas Flared Released: 121 Mcf Recovered: 0 Mcf Lost: 121 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	Not answered.
Downstream OGRID that should have notified this operator	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	VRU down on high scrubber level
Steps taken to limit the duration and magnitude of vent or flare	Open valves to divert gas to a second midstream company to relieve pressure off the line
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	Clear consistent communication with midstream provider

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Santa Fe, NM 87505

ACKNOWLEDGMENTS

Action 506924

ACKNOWLEDGMENTS

Operator: Permian Resources Operating, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	OGRID: 372165
	Action Number: 506924
	Action Type: [C-129] Venting and/or Flaring (C-129)

ACKNOWLEDGMENTS

☒	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.
☒	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.
☒	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.
☒	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.

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Santa Fe, NM 87505

CONDITIONS

Action 506924

CONDITIONS

Operator: Permian Resources Operating, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	OGRID: 372165
	Action Number: 506924
	Action Type: [C-129] Venting and/or Flaring (C-129)

CONDITIONS

Created By	Condition	Condition Date
jdoolingpr	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.	9/17/2025