

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>	<u>(Ideal)</u> <u>BTU</u>	<u>(Ideal)</u> <u>SG</u>	<u>(Real)</u> <u>GPM</u>	
Nitrogen	2.7782	0.000	0.027		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
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	

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 Gravimeter:

GPM Ethane+ (Real): 5.861

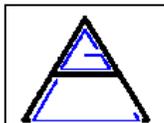
GPM Propane+ (Real): 3.034

GPM IC5+ (Real): 0.691

GPA 2145 / 2172

Fld. Remarks:

Lab Remarks:



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GAS ANALYSIS REPORT

Analysis No.: 252359
 Customer: Permian Resources

<u>Component</u>	<u>Mol. %</u>	(Ideal) <u>BTU</u>	(Ideal) <u>SG</u>	(Real) <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

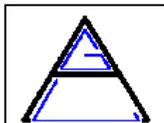
Sp. Gravity (Real): 0.7300
 Field Gravity:
 Lab Gravimeter:

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 Well / Sta. Name: RAIDER FED COM 301 H SALES CHECK 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: 08/28/25 Effective Date: Sample Press. (PSIG): 75 Line Press. (PSIG): 75 Sample Temp. (F): 83 Fl. Gas Temp. (F): 83 Amb. Temp. (F): 72 Del. To: Sampled By: JH Cylinder No.: 122
Methane	76.1264	766.470	0.422		
CO2	4.1687	0.000	0.063		
Ethane	8.4629	149.299	0.088	2.258	
H2S	0.0020	0.000	0.000		
Propane	5.0783	127.375	0.077	1.396	
Iso-Butane	0.6044	19.593	0.012	0.197	
Butane	1.3454	43.754	0.027	0.423	
Iso-Pentane	0.3896	15.539	0.010	0.142	
Pentane	0.4147	16.572	0.010	0.150	
Hexanes C6+	0.6004	30.699	0.019	0.261	
Hydrogen	N/A				
Helium	N/A				
Oxygen	N/A				
CO	N/A				
Totals	100.0000	1169.301	0.756	4.827	

Field H2O (#/mm):

Field H2S (PPM): 20.0
 Field 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: 1173.41
Sat BTU w/ H2S: 1153.32
As 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

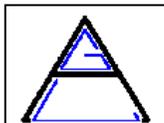
Sp. Gravity (Real): 0.7582
 Field Gravity:
 Lab Gravimeter:

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

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

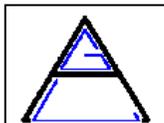
Sp. Gravity (Real): 0.8332
 Field Gravity:
 Lab Gravitometer:

GPM Ethane+ (Real): 8.067
GPM Propane+ (Real): 4.652
GPM IC5+ (Real): 1.283

GPA 2145 / 2172

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

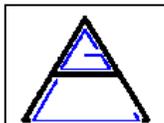
Sp. Gravity (Real): 0.7624
 Field Gravity:
 Lab Gravitometer:

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>	<u>(Ideal)</u> <u>BTU</u>	<u>(Ideal)</u> <u>SG</u>	<u>(Real)</u> <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

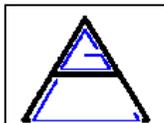
Sp. Gravity (Real): 0.7700
 Field Gravity:
 Lab Gravitometer:

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



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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		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
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	

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

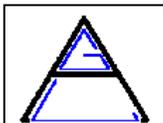
Sp. Gravity (Real): 0.7972
 Field Gravity:
 Lab Gravitometer:

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



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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

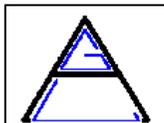
Sp. Gravity (Real): 0.7319
 Field Gravity:
 Lab Gravitometer:

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:



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GAS ANALYSIS REPORT

Analysis No.: 252431
 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	1.5807	0.000	0.015		Producer: Permian Resources Well / Sta. Name: PALMILLO 14-15 PROD 3-PH SEP. A 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): 76 Line Press. (PSIG): 76 Sample Temp. (F): 84 Fl. Gas Temp. (F): 84 Amb. Temp. (F): 85 Del. To: Sampled By: PP Cylinder No.: 195
Methane	78.7346	792.730	0.436		
CO2	0.3183	0.000	0.005		
Ethane	11.4147	201.374	0.119	3.046	
H2S	0.0000	0.000	0.000		
Propane	4.6238	115.975	0.070	1.271	
Iso-Butane	0.5716	18.530	0.011	0.187	
Butane	1.3067	42.495	0.026	0.411	
Iso-Pentane	0.3498	13.951	0.009	0.128	
Pentane	0.3656	14.610	0.009	0.132	
Hexanes C6+	0.7342	37.541	0.024	0.320	
Hydrogen	N/A				
Helium	N/A				
Oxygen	N/A				
CO	N/A				
Totals	100.0000	1237.206	0.724	5.495	

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

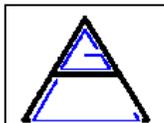
Sp. Gravity (Real): 0.7266
 Field Gravity:
 Lab Gravimeter:

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

GAS ANALYSIS REPORT

Analysis No.: 252432
 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	1.5755	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

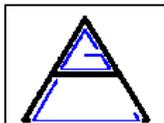
Sp. Gravity (Real): 0.7318
 Field Gravity:
 Lab Gravitometer:

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

GAS ANALYSIS REPORT

Analysis No.: 252433
 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	1.5811	0.000	0.015		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
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	

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

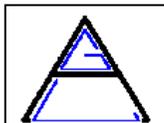
Sp. Gravity (Real): 0.7308
 Field Gravity:
 Lab Gravitometer:

GPM Ethane+ (Real): 5.632
GPM Propane+ (Real): 2.597
GPM IC5+ (Real): 0.582

GPA 2145 / 2172

Fld. Remarks: TAG: NO API PER WHITNEY

Lab Remarks:



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

GAS ANALYSIS REPORT

Analysis No.: 252434
 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	1.4856	0.000	0.014		Producer: Permian Resources Well / Sta. Name: PALMILLO 26 TESTER #1 316-214 WELLS 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): 95 Line Press. (PSIG): 95 Sample Temp. (F): 88 Fl. Gas Temp. (F): 88 Amb. Temp. (F): 82 Del. To: Sampled By: JL Cylinder No.: 679
Methane	78.4941	790.309	0.435		
CO2	0.1464	0.000	0.002		
Ethane	11.4879	202.665	0.119	3.066	
H2S	0.0000	0.000	0.000		
Propane	4.8675	122.088	0.074	1.338	
Iso-Butane	0.6121	19.843	0.012	0.200	
Butane	1.4640	47.611	0.029	0.461	
Iso-Pentane	0.3626	14.462	0.009	0.132	
Pentane	0.3891	15.549	0.010	0.141	
Hexanes C6+	0.6907	35.317	0.022	0.301	
Hydrogen	N/A				
Helium	N/A				
Oxygen	N/A				
CO	N/A				
Totals	100.0000	1247.842	0.727	5.639	

Field H2O (#/mm):

Field H2S (PPM): 0.0
 Field 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: 1252.32
Sat BTU w/ H2S: 1230.88
As 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

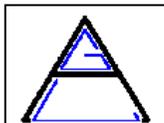
Sp. Gravity (Real): 0.7297
 Field Gravity:
 Lab Gravitometer:

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

GAS ANALYSIS REPORT

Analysis No.: 252441
 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	1.5482	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

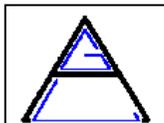
Sp. Gravity (Real): 0.7297
 Field Gravity:
 Lab Gravitometer:

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:



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

GAS ANALYSIS REPORT

Analysis No.: 252442
 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	1.7340	0.000	0.017		Producer: Permian Resources Well / Sta. Name: PALMILLO 3-10 COMPRESSOR FUEL Sta. No.: Formation: Field: New Mexico County: API Number: N/L Spot / Composite: SP Date / Time On: Date / Time Off: 08/14/25 Date to Lab: 08/27/25 Date Analyzed: 09/04/25 Effective Date: Sample Press. (PSIG): 110 Line Press. (PSIG): 110 Sample Temp. (F): 91 Fl. Gas Temp. (F): 91 Amb. Temp. (F): 96 Del. To: Sampled By: PP Cylinder No.: 707
Methane	78.2087	787.435	0.433		
CO2	0.4502	0.000	0.007		
Ethane	11.4734	202.409	0.119	3.062	
H2S	0.0004	0.000	0.000		
Propane	4.7026	117.952	0.072	1.293	
Iso-Butane	0.5977	19.376	0.012	0.195	
Butane	1.3762	44.755	0.028	0.433	
Iso-Pentane	0.3834	15.291	0.010	0.140	
Pentane	0.3843	15.357	0.010	0.139	
Hexanes C6+	0.6891	35.235	0.022	0.300	
Hydrogen	N/A				
Helium	N/A				
Oxygen	N/A				
CO	N/A				
Totals	100.0000	1237.811	0.728	5.562	

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 Gravimeter:

GPM Ethane+ (Real): 5.562

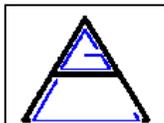
GPM Propane+ (Real): 2.500

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

GAS ANALYSIS REPORT

Analysis No.: 252443
 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	2.9421	0.000	0.028		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
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	

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 Gravimeter:

GPM Ethane+ (Real): 5.064

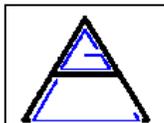
GPM Propane+ (Real): 2.516

GPM IC5+ (Real): 0.512

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.: 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 Well / Sta. Name: RAIDER 502-701 SALES CHECK 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: 08/29/25 Date Analyzed: 09/04/25 Effective Date: Sample Press. (PSIG): 120 Line Press. (PSIG): 120 Sample Temp. (F): 76 Fl. Gas Temp. (F): 76 Amb. Temp. (F): 70 Del. To: Sampled By: NP Cylinder No.: 183
Methane	68.7880	692.584	0.381		
CO2	10.4407	0.000	0.159		
Ethane	8.6289	152.228	0.090	2.303	
H2S	0.0005	0.000	0.000		
Propane	4.6157	115.772	0.070	1.269	
Iso-Butane	0.5964	19.334	0.012	0.195	
Butane	1.4573	47.393	0.029	0.458	
Iso-Pentane	0.3761	15.000	0.009	0.137	
Pentane	0.3741	14.950	0.009	0.135	
Hexanes C6+	0.4960	25.361	0.016	0.216	
Hydrogen	N/A				
Helium	N/A				
Oxygen	N/A				
CO	N/A				
Totals	100.0000	1082.621	0.816	4.713	

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

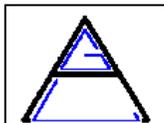
Sp. Gravity (Real): 0.8189
 Field Gravity:
 Lab Gravitometer:

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

GAS ANALYSIS REPORT

Analysis No.: 252445
 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	1.5525	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

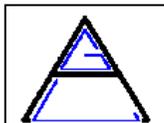
BTU Calc: Dry

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	
Methane	78.5528	790.900	0.435	
CO2	0.1678	0.000	0.003	
Ethane	11.4329	201.695	0.119	3.051
H2S	0.0000	0.000	0.000	
Propane	4.9497	124.150	0.075	1.361
Iso-Butane	0.6210	20.131	0.012	0.203
Butane	1.4579	47.412	0.029	0.459
Iso-Pentane	0.3601	14.362	0.009	0.131
Pentane	0.3758	15.018	0.009	0.136
Hexanes C6+	0.5210	26.640	0.017	0.227
Hydrogen	N/A			
Helium	N/A			
Oxygen	N/A			
CO	N/A			
Totals	100.0000	1240.307	0.724	5.568

Producer: Permian Resources
Well / Sta. Name: PALMILLO ST COMP FUEL
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): 126
 Line Press. (PSIG): 126
 Sample Temp. (F): 71
 Fl. Gas Temp. (F): 71
 Amb. Temp. (F): 82
 Del. To:
 Sampled By: JL
 Cylinder No.: 835

Field H2O (#/mm):

Field H2S (PPM): 0.0
 Field 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: 1244.69
Sat BTU w/ H2S: 1223.37
As 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

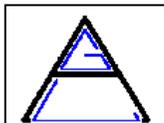
Sp. Gravity (Real): 0.7259
 Field Gravity:
 Lab Gravitometer:

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>	<u>(Ideal) BTU</u>	<u>(Ideal) SG</u>	<u>(Real) GPM</u>	
Nitrogen	2.3415	0.000	0.023		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
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	

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

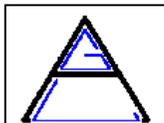
Sp. Gravity (Real): 0.7857
 Field Gravity:
 Lab Gravitometer:

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>	<u>(Ideal)</u> <u>BTU</u>	<u>(Ideal)</u> <u>SG</u>	<u>(Real)</u> <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

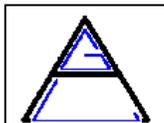
BTU Calc: Dry

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>	<u>(Ideal)</u> <u>BTU</u>	<u>(Ideal)</u> <u>SG</u>	<u>(Real)</u> <u>GPM</u>	
Nitrogen	1.8765	0.000	0.018		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
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	

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

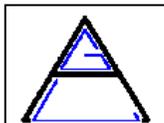
Sp. Gravity (Real): 0.7289
 Field Gravity:
 Lab Gravitometer:

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>	<u>(Ideal)</u> <u>BTU</u>	<u>(Ideal)</u> <u>SG</u>	<u>(Real)</u> <u>GPM</u>	
Nitrogen	2.0747	0.000	0.020		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
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	

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

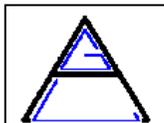
Sp. Gravity (Real): 0.7465
 Field Gravity:
 Lab Gravitometer:

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>	<u>(Ideal)</u> <u>BTU</u>	<u>(Ideal)</u> <u>SG</u>	<u>(Real)</u> <u>GPM</u>	
Nitrogen	3.0565	0.000	0.030		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
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	

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

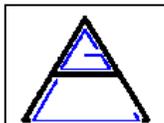
Sp. Gravity (Real): 0.7667
 Field Gravity:
 Lab Gravimeter:

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

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

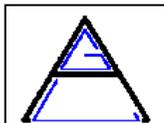
Sp. Gravity (Real): 0.7450
 Field Gravity:
 Lab Gravimeter:

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>	<u>(Ideal)</u> <u>BTU</u>	<u>(Ideal)</u> <u>SG</u>	<u>(Real)</u> <u>GPM</u>	
Nitrogen	2.0013	0.000	0.019		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
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	

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

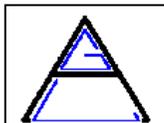
Sp. Gravity (Real): 0.7292
 Field Gravity:
 Lab Gravitometer:

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



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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

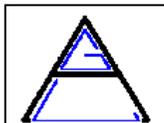
Sp. Gravity (Real): 0.7597
 Field Gravity:
 Lab Gravitometer:

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

GPA 2145 / 2172

Fld. Remarks:

Lab Remarks:



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 Monahans, Texas 79756
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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

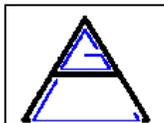
GPM Propane+ (Real): 2.824

GPM IC5+ (Real): 0.535

GPA 2145 / 2172

Fld. Remarks:

Lab Remarks:



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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>	<u>(Ideal)</u> <u>BTU</u>	<u>(Ideal)</u> <u>SG</u>	<u>(Real)</u> <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

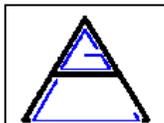
Sp. Gravity (Real): 0.7452
 Field Gravity:
 Lab Gravitometer:

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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GAS ANALYSIS REPORT

Analysis No.: 352957
 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	2.0353	0.000	0.020		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
Methane	75.7522	762.702	0.420		
CO2	2.7548	0.000	0.042		
Ethane	10.8027	190.577	0.112	2.883	
H2S	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 C6+	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	

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: 1212.95
Sat BTU w/ H2S: 1192.19
As 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

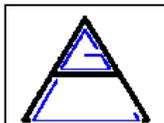
Sp. Gravity (Real): 0.7530
 Field Gravity:
 Lab Gravitometer:

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

GPA 2145 / 2172

Fld. Remarks:

Lab Remarks:



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GAS ANALYSIS REPORT

Analysis No.: 352958
 Customer: Permian Resources

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

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 Gravimeter:

GPM Ethane+ (Real): 4.551

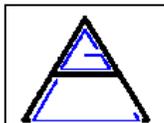
GPM Propane+ (Real): 2.498

GPM IC5+ (Real): 0.646

GPA 2145 / 2172

Fld. Remarks: TAG: NO API PER WHITNEY

Lab Remarks:



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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

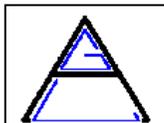
Sp. Gravity (Real): 0.7669
 Field Gravity:
 Lab Gravitometer:

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

GPA 2145 / 2172

Fld. Remarks:

Lab Remarks:



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GAS ANALYSIS REPORT

Analysis No.: 352997
 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	2.3914	0.000	0.023		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
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	

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

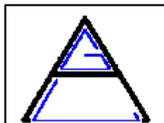
GPM Propane+ (Real): 4.276

GPM IC5+ (Real): 1.132

GPA 2145 / 2172

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>	<u>(Ideal)</u> <u>BTU</u>	<u>(Ideal)</u> <u>SG</u>	<u>(Real)</u> <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

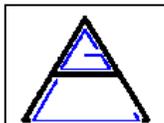
Sp. Gravity (Real): 0.8184
 Field Gravity:
 Lab Gravitometer:

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

GPA 2145 / 2172

Fld. Remarks:

Lab Remarks:



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

GAS ANALYSIS REPORT

Analysis No.: 352999
 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	3.8599	0.000	0.037		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
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	

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 Gravimeter:

GPM Ethane+ (Real): 4.426

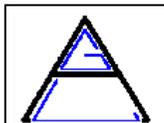
GPM Propane+ (Real): 2.136

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

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 Gravimeter:

GPM Ethane+ (Real): 5.801

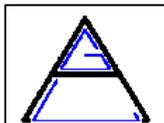
GPM Propane+ (Real): 3.102

GPM IC5+ (Real): 0.744

GPA 2145 / 2172

Fld. Remarks:

Lab Remarks: CP @ LAB 112 PSIG



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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

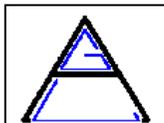
Sp. Gravity (Real): 0.8704
 Field Gravity:
 Lab Gravitometer:

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

GPA 2145 / 2172

Fld. Remarks:

Lab Remarks:



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GAS ANALYSIS REPORT

Analysis No.: 353002
 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	3.1237	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

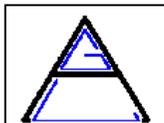
Sp. Gravity (Real): 0.7801
 Field Gravity:
 Lab Gravitometer:

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

GPA 2145 / 2172

Fld. Remarks:

Lab Remarks:



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GAS ANALYSIS REPORT

Analysis No.: 353003
 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	1.4909	0.000	0.014		Producer: Permian Resources Well / Sta. Name: OUTLAND STATE UNIT 132H Sta. No.: Formation: Field: New Mexico County: API Number: 3002553012 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): 145 Line Press. (PSIG): 145 Sample Temp. (F): 84 Fl. Gas Temp. (F): 84 Amb. Temp. (F): 88 Del. To: Sampled By: JT Cylinder No.: 451
Methane	77.6637	781.948	0.430		
CO2	0.7449	0.000	0.011		
Ethane	11.3827	200.809	0.118	3.038	
H2S	0.0100	0.000	0.000		
Propane	5.3109	133.209	0.081	1.460	
Iso-Butane	0.6933	22.475	0.014	0.226	
Butane	1.5078	49.035	0.030	0.474	
Iso-Pentane	0.3486	13.903	0.009	0.127	
Pentane	0.3327	13.295	0.008	0.120	
Hexanes C6+	0.5145	26.307	0.017	0.224	
Hydrogen	N/A				
Helium	N/A				
Oxygen	N/A				
CO	N/A				
Totals	100.0000	1240.982	0.733	5.669	

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

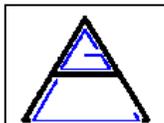
Sp. Gravity (Real): 0.7351
 Field Gravity:
 Lab Gravitometer:

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>	<u>(Ideal) BTU</u>	<u>(Ideal) SG</u>	<u>(Real) GPM</u>	
Nitrogen	3.6444	0.000	0.035		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
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	

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

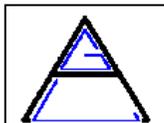
Sp. Gravity (Real): 0.7945
 Field Gravity:
 Lab Gravitometer:

GPM Ethane+ (Real): 4.349
GPM Propane+ (Real): 2.091
GPM IC5+ (Real): 0.396

GPA 2145 / 2172

Fld. Remarks:

Lab Remarks:



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GAS ANALYSIS REPORT

Analysis No.: 353005
 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	3.0110	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

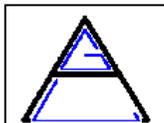
Sp. Gravity (Real): 0.7629
 Field Gravity:
 Lab Gravitometer:

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

GPA 2145 / 2172

Fld. Remarks:

Lab Remarks:



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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>	<u>(Ideal)</u> <u>BTU</u>	<u>(Ideal)</u> <u>SG</u>	<u>(Real)</u> <u>GPM</u>	
Nitrogen	2.5795	0.000	0.025		Producer: Permian Resources Well / Sta. Name: WINNEBAGO 30 STATE COM 303H Sta. No.: Formation: Field: New Mexico County: API Number: 3002553701 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): 208 Line Press. (PSIG): 208 Sample Temp. (F): 115 Fl. Gas Temp. (F): 115 Amb. Temp. (F): 77 Del. To: Sampled By: MG Cylinder No.: AGL-191
Methane	69.8049	702.823	0.387		
CO2	6.7050	0.000	0.102		
Ethane	10.8077	190.665	0.112	2.885	
H2S	0.3000	0.000	0.004		
Propane	5.6922	142.773	0.087	1.566	
Iso-Butane	0.6749	21.878	0.014	0.220	
Butane	1.7481	56.850	0.035	0.550	
Iso-Pentane	0.4648	18.538	0.012	0.170	
Pentane	0.4658	18.614	0.012	0.169	
Hexanes C6+	0.7571	38.712	0.024	0.330	
Hydrogen	N/A				
Helium	N/A				
Oxygen	N/A				
CO	N/A				
Totals	100.0000	1190.853	0.812	5.890	

Field H2O (#/mm):

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

Pressure Base: 14.65
Temp. Base: 60

Z Factor (Dry): 0.9960302
 Z Factor (Act.): 0.9960302

Dry BTU w/ H2S: 1197.51
Sat BTU w/ H2S: 1177.02
As 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

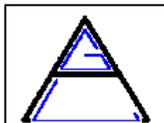
Sp. Gravity (Real): 0.8150
 Field Gravity:
 Lab Gravitometer:

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

GPA 2145 / 2172

Fld. Remarks:

Lab Remarks:



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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

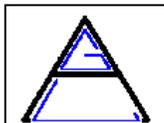
Sp. Gravity (Real): 0.8017
 Field Gravity:
 Lab Gravimeter:

GPM Ethane+ (Real): 4.428
GPM Propane+ (Real): 2.162
GPM IC5+ (Real): 0.439

GPA 2145 / 2172

Fld. Remarks:

Lab Remarks: CP @ LAB 105 PSIG



ARMSTRONG GAS LABS, INC.

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 Monahans, Texas 79756
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GAS ANALYSIS REPORT

Analysis No.: 353009
 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	1.7691	0.000	0.017		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
Methane	79.1157	796.567	0.438		
CO2	4.6133	0.000	0.070		
Ethane	7.6009	134.092	0.079	2.028	
H2S	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 C6+	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	

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: 1146.68
Sat BTU w/ H2S: 1127.04
As 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

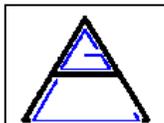
Sp. Gravity (Real): 0.7373
 Field Gravity:
 Lab Gravimeter:

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



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GAS ANALYSIS REPORT

Analysis No.: 353010
 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	3.1111	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

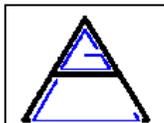
Sp. Gravity (Real): 0.7634
 Field Gravity:
 Lab Gravitometer:

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



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

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		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
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	

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 Gravimeter:

GPM Ethane+ (Real): 5.143

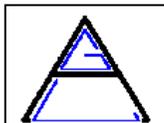
GPM Propane+ (Real): 2.251

GPM IC5+ (Real): 0.503

GPA 2145 / 2172

Fld. Remarks: TAG: NO API PER WHITNEY

Lab Remarks: CP @ LAB 720 PSIG



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

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 Well / Sta. Name: CRUNCH BERRY 6 FED COM 601H INJ 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): 867 Line Press. (PSIG): 867 Sample Temp. (F): 105 Fl. Gas Temp. (F): 105 Amb. Temp. (F): 84 Del. To: Sampled By: IF Cylinder No.: 799
Methane	76.3892	769.116	0.423		
CO2	0.1528	0.000	0.002		
Ethane	12.1165	213.755	0.126	3.234	
H2S	0.0000	0.000	0.000		
Propane	5.7235	143.558	0.087	1.574	
Iso-Butane	0.7120	23.081	0.014	0.233	
Butane	1.6508	53.685	0.033	0.519	
Iso-Pentane	0.3964	15.810	0.010	0.145	
Pentane	0.4014	16.041	0.010	0.145	
Hexanes C6+	0.7573	38.722	0.024	0.330	
Hydrogen	N/A				
Helium	N/A				
Oxygen	N/A				
CO	N/A				
Totals	100.0000	1273.768	0.746	6.180	

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

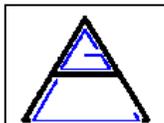
Sp. Gravity (Real): 0.7490
 Field Gravity:
 Lab Gravitometer:

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:



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

GAS ANALYSIS REPORT

Analysis No.: 353013
 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	1.9833	0.000	0.019		Producer: Permian Resources Well / Sta. Name: WILD SALSA FED COM 226 INJECTION Sta. No.: Formation: Field: New Mexico County: API Number: N/L Spot / Composite: SP Date / Time On: Date / Time Off: 08/23/25 Date to Lab: 08/26/25 Date Analyzed: 09/04/25 Effective Date: Sample Press. (PSIG): 899 Line Press. (PSIG): 899 Sample Temp. (F): 108 Fl. Gas Temp. (F): 108 Amb. Temp. (F): 102 Del. To: Sampled By: JT Cylinder No.: 824
Methane	74.1686	746.758	0.411		
CO2	5.1288	0.000	0.078		
Ethane	10.3625	182.811	0.108	2.766	
H2S	0.0003	0.000	0.000		
Propane	5.0289	126.136	0.077	1.383	
Iso-Butane	0.6242	20.235	0.013	0.204	
Butane	1.4561	47.354	0.029	0.458	
Iso-Pentane	0.3442	13.728	0.009	0.126	
Pentane	0.3581	14.310	0.009	0.130	
Hexanes C6+	0.5450	27.867	0.018	0.237	
Hydrogen	N/A				
Helium	N/A				
Oxygen	N/A				
CO	N/A				
Totals	100.0000	1179.199	0.769	5.304	

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

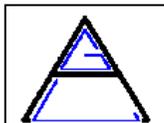
Sp. Gravity (Real): 0.7714
 Field Gravity:
 Lab Gravimeter:

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:



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

GAS ANALYSIS REPORT

Analysis No.: 353014
 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	2.5119	0.000	0.024		Producer: Permian Resources Well / Sta. Name: RAIDER FED COM 703H INJECTION 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: 08/26/25 Date Analyzed: 09/04/25 Effective Date: Sample Press. (PSIG): 916 Line Press. (PSIG): 916 Sample Temp. (F): 104 Fl. Gas Temp. (F): 104 Amb. Temp. (F): 80 Del. To: Sampled By: JT Cylinder No.: 432
Methane	77.2456	777.739	0.428		
CO2	1.9390	0.000	0.029		
Ethane	9.8688	174.101	0.102	2.633	
H2S	0.0001	0.000	0.000		
Propane	4.9882	125.115	0.076	1.371	
Iso-Butane	0.6401	20.750	0.013	0.209	
Butane	1.5864	51.591	0.032	0.499	
Iso-Pentane	0.3675	14.657	0.009	0.134	
Pentane	0.3773	15.077	0.009	0.136	
Hexanes C6+	0.4751	24.293	0.015	0.207	
Hydrogen	N/A				
Helium	N/A				
Oxygen	N/A				
CO	N/A				
Totals	100.0000	1203.324	0.739	5.189	

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: 1207.52
Sat BTU w/ H2S: 1186.85
As 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

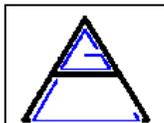
GPM Propane+ (Real): 2.556

GPM IC5+ (Real): 0.477

GPA 2145 / 2172

Fld. Remarks: TAG: NO API PER WHITNEY

Lab Remarks:



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 Monahans, Texas 79756
 (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		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
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	

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

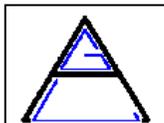
Sp. Gravity (Real): 0.7337
 Field Gravity:
 Lab Gravitometer:

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:



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

GAS ANALYSIS REPORT

Analysis No.: 353016
 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	3.1320	0.000	0.030		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
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	

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

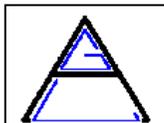
BTU Calc: Dry

Sp. Gravity (Real): 0.7846
 Field Gravity:
 Lab Gravimeter:

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.

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

GAS ANALYSIS REPORT

Analysis No.: 353017
 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	1.7126	0.000	0.017		Producer: Permian Resources Well / Sta. Name: PALMILLO 3-10 COMPRESSOR RECYCLE Sta. No.: Formation: Field: New Mexico County: API Number: N/L Spot / Composite: SP Date / Time On: Date / Time Off: 08/14/25 Date to Lab: 08/27/25 Date Analyzed: 09/04/25 Effective Date: Sample Press. (PSIG): 1236 Line Press. (PSIG): 1236 Sample Temp. (F): 127 Fl. Gas Temp. (F): 127 Amb. Temp. (F): 93 Del. To: Sampled By: PP Cylinder No.: 768
Methane	78.3828	789.188	0.434		
CO2	0.4478	0.000	0.007		
Ethane	11.1204	196.182	0.115	2.968	
H2S	0.0004	0.000	0.000		
Propane	4.7208	118.408	0.072	1.298	
Iso-Butane	0.6080	19.710	0.012	0.199	
Butane	1.4190	46.147	0.028	0.446	
Iso-Pentane	0.4090	16.312	0.010	0.149	
Pentane	0.4140	16.544	0.010	0.150	
Hexanes C6+	0.7652	39.126	0.025	0.333	
Hydrogen	N/A				
Helium	N/A				
Oxygen	N/A				
CO	N/A				
Totals	100.0000	1241.618	0.731	5.543	

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

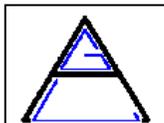
BTU Calc: Dry

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



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GAS ANALYSIS REPORT

Analysis No.: 551883
 Customer: Permian Resources

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

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

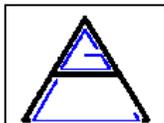
BTU Calc: Dry

Sp. Gravity (Real): 0.7270
 Field Gravity:
 Lab Gravimeter:

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



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GAS ANALYSIS REPORT

Analysis No.: 551884
 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	1.4890	0.000	0.014		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
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	

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

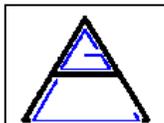
BTU Calc: Dry

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



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GAS ANALYSIS REPORT

Analysis No.: 551885
 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	1.6552	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

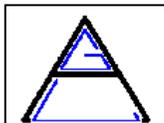
BTU Calc: Dry

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



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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>	<u>(Ideal)</u> <u>BTU</u>	<u>(Ideal)</u> <u>SG</u>	<u>(Real)</u> <u>GPM</u>	
Nitrogen	1.7629	0.000	0.017		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
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	

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 Gravimeter:

GPM Ethane+ (Real): 5.305

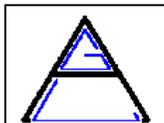
GPM Propane+ (Real): 2.406

GPM IC5+ (Real): 0.602

GPA 2145 / 2172

Fld. Remarks: TAG: NO API PER WHITNEY

Lab Remarks: SAMPLE TEMP N/L



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GAS ANALYSIS REPORT

Analysis No.: 551887
 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	1.6871	0.000	0.016		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
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	

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

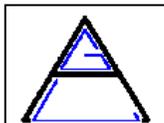
GPM Propane+ (Real): 2.464

GPM IC5+ (Real): 0.626

GPA 2145 / 2172

Fld. Remarks: TAG: NO API PER WHITNEY

Lab Remarks:



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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

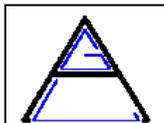
Sp. Gravity (Real): 0.8008
 Field Gravity:
 Lab Gravitometer:

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:



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GAS ANALYSIS REPORT

Analysis No.: 551889
 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	1.4547	0.000	0.014		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
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	

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

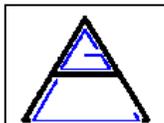
Sp. Gravity (Real): 0.7252
 Field Gravity:
 Lab Gravitometer:

GPM Ethane+ (Real): 5.481
GPM Propane+ (Real): 2.502
GPM IC5+ (Real): 0.535

GPA 2145 / 2172

Fld. Remarks: TAG: NO API PER WHITNEY

Lab Remarks:



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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		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
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	

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

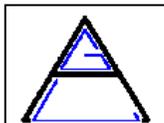
Sp. Gravity (Real): 0.8270
 Field Gravity:
 Lab Gravitometer:

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.

P.O. Box 988
 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 Well / Sta. Name: PALMILLO 14-15 COMP DISCHARGE 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): 963 Line Press. (PSIG): 963 Sample Temp. (F): 113 Fl. Gas Temp. (F): 113 Amb. Temp. (F): 86 Del. To: Sampled By: RO Cylinder No.: AGL-466
Methane	79.8883	804.346	0.443		
CO2	0.2614	0.000	0.004		
Ethane	11.0569	195.061	0.115	2.950	
H2S	0.0001	0.000	0.000		
Propane	4.6051	115.506	0.070	1.266	
Iso-Butane	0.5595	18.137	0.011	0.183	
Butane	1.2505	40.667	0.025	0.393	
Iso-Pentane	0.2847	11.355	0.007	0.104	
Pentane	0.2817	11.257	0.007	0.102	
Hexanes C6+	0.3164	16.178	0.010	0.138	
Hydrogen	N/A				
Helium	N/A				
Oxygen	N/A				
CO	N/A				
Totals	100.0000	1212.509	0.706	5.136	

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 Gravimeter:

GPM Ethane+ (Real): 5.136

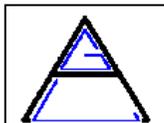
GPM Propane+ (Real): 2.186

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>	<u>(Ideal)</u> <u>BTU</u>	<u>(Ideal)</u> <u>SG</u>	<u>(Real)</u> <u>GPM</u>	
Nitrogen	2.2988	0.000	0.022		Producer: Permian Resources Well / Sta. Name: BRIDGE STATE UNIT 301H INJECTION 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): 1112 Line Press. (PSIG): 1112 Sample Temp. (F): 117 Fl. Gas Temp. (F): 117 Amb. Temp. (F): 90 Del. To: Sampled By: DB Cylinder No.: AGL-809
Methane	74.9100	754.223	0.415		
CO2	2.3359	0.000	0.035		
Ethane	11.3737	200.650	0.118	3.035	
H2S	0.0015	0.000	0.000		
Propane	5.9609	149.513	0.091	1.639	
Iso-Butane	0.6967	22.585	0.014	0.228	
Butane	1.5938	51.832	0.032	0.501	
Iso-Pentane	0.2825	11.267	0.007	0.103	
Pentane	0.2492	9.958	0.006	0.090	
Hexanes C6+	0.2970	15.186	0.010	0.129	
Hydrogen	N/A				
Helium	N/A				
Oxygen	N/A				
CO	N/A				
Totals	100.0000	1215.214	0.750	5.725	

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 Gravimeter:

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:

PERMIAN

RESOURCES

Permian Resources meters all flared volumes, and volumes reported on C-129's in connection with flaring events are based on the available meter readings. While Permian Resources reports metered volumes on C-129 submissions, PR reviews the metered data for accuracy, reconciles any discovered discrepancies, and, where appropriate, submits amended C-129 reported volumes post-reconciliation to ensure accurate reporting.

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 550136

DEFINITIONS

Operator: Permian Resources Operating, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	OGRID: 372165
	Action Number: 550136
	Action Type: [C-129] Amend Venting and/or Flaring (C-129A)

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 550136

QUESTIONS

Operator: Permian Resources Operating, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	OGRID: 372165
	Action Number: 550136
	Action Type: [C-129] Amend Venting and/or Flaring (C-129A)

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 ID (n#)	Unavailable.
Incident Name	Unavailable.
Incident Type	Flare
Incident Status	Unavailable.
Incident Facility	[fAPP2234938894] Winnebago 30 CTB 2
<i>Only valid Vent, Flare or Vent with Flaring incidents (selected above in the Application Details section) that are assigned to your current operator can be amended with this C-129A application.</i>	

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	Yes
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, major 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 within 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	73
Nitrogen (N2) percentage, if greater than one percent	2
Hydrogen Sulfide (H2S) PPM, rounded up	0
Carbon Dioxide (CO2) percentage, if greater than one percent	1
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 550136

QUESTIONS (continued)

Operator: Permian Resources Operating, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	OGRID: 372165
	Action Number: 550136
	Action Type: [C-129] Amend Venting and/or Flaring (C-129A)

QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	01/27/2026
Time vent or flare was discovered or commenced	06:00 AM
Time vent or flare was terminated	08:00 PM
Cumulative hours during this event	14

Measured or Estimated Volume of Vented or Flared Natural Gas	
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Cause: Midstream Emergency Maintenance Pipeline (Any) Natural Gas Flared Released: 627 Mcf Recovered: 0 Mcf Lost: 627 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	
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	HLP due to MPLX DT and Targa DT
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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ACKNOWLEDGMENTS

Action 550136

ACKNOWLEDGMENTS

Operator: Permian Resources Operating, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	OGRID: 372165
	Action Number: 550136
	Action Type: [C-129] Amend Venting and/or Flaring (C-129A)

ACKNOWLEDGMENTS

<input checked="" type="checkbox"/>	I acknowledge that with this application I will be amending an existing incident file (assigned to this operator) for a vent or flare event, pursuant to 19.15.27 and 19.15.28 NMAC.
<input checked="" type="checkbox"/>	I acknowledge that amending an incident file does not replace original submitted application(s) or information and understand that any C-129 forms submitted to the OCD will be logged and stored as public record.
<input checked="" type="checkbox"/>	I hereby certify the statements in this amending 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.
<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	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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CONDITIONS

Action 550136

CONDITIONS

Operator: Permian Resources Operating, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	OGRID: 372165
	Action Number: 550136
	Action Type: [C-129] Amend Venting and/or Flaring (C-129A)

CONDITIONS

Created By	Condition	Condition Date
jdoolingpr	If the information provided in this report requires further amendment(s), submit a [C-129] Amend Venting and/or Flaring Incident (C-129A), utilizing your incident number from this event.	2/4/2026