PANTECHS LABORATORIES, INC.

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Analytical Report

12/26/2024

Customer:	Occidental Permian Ltd.	**Order:**	1120-7805
Location:	North Hobbs RCF	**Received:**	12/17/2024
Description:	Monthly Collection	**Primary Contact:**	Richard Sanders

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Pantechs Laboratories, Inc. - Order: 1120-7805 - 12/17/2024 - North Hobbs RCF - Monthly Collection

Sample List

Fluid	Operator	Location	Site	Sample Point	Date	Time
CO2	Occidental Permian Ltd.	New Mexico Measurement	2098	CO2 Discharge	12/17/2024	8:35 AM
CO2	Occidental Permian Ltd.	New Mexico Measurement	2099	CO2 Discharge	12/17/2024	8:27 AM
Gas	Occidental Permian Ltd.	New Mexico Measurement	1013	#1 Slug Catcher Inlet	12/17/2024	9:46 AM
Gas	Occidental Permian Ltd.	New Mexico Measurement	10002	NGL Plant Inlet	12/17/2024	9:00 AM
Gas	Occidental Permian Ltd.	New Mexico Measurement	21013	#2 Slug Catcher Inlet	12/17/2024	9:47 AM
Gas	Occidental Permian Ltd.	New Mexico Measurement	21023	#3 Slug Catcher Inlet	12/17/2024	9:35 AM
Gas	Occidental Permian Ltd.	North Hobbs RCF	DEX PRO	Inlet	12/17/2024	9:14 AM
Gas	Occidental Permian Ltd.	North Hobbs RCF	DEX PRO	Outlet	12/17/2024	9:16 AM
Gas	Occidental Permian Ltd.	North Hobbs RCF	Inlet 1	Header	12/17/2024	9:55 AM
Gas	Occidental Permian Ltd.	North Hobbs RCF	Inlet 2	Header	12/17/2024	9:59 AM
Gas	Occidental Permian Ltd.	North Hobbs RCF	Inlet 3	Header	12/17/2024	10:03 AM
Gas	Occidental Permian Ltd.	North Hobbs RCF	Inlet 4	Header	12/17/2024	10:07 AM
Gas	Occidental Permian Ltd.	North Hobbs RCF	Inlet 5	Header	12/17/2024	10:12 AM
Gas	Occidental Permian Ltd.	North Hobbs RCF	Inlet 6	Header	12/17/2024	10:16 AM
Gas	Occidental Permian Ltd.	North Hobbs RCF	Inlet 7	Header	12/17/2024	10:17 AM
Gas	Occidental Permian Ltd.	North Hobbs RCF	New 20" Line	Sample Valve	12/17/2024	9:41 AM
Gas	Occidental Permian Ltd.	North Hobbs RCF	Reflux Stabilizer	Sample Valve	12/17/2024	8:52 AM
Gas	Occidental Permian Ltd.	North Hobbs RCF	ROZ Inlet	Header	12/17/2024	9:50 AM
Gas	Occidental Permian Ltd.	North Hobbs RCF	Surge Tank	Propane Vapor	12/17/2024	9:24 AM
Gas	Occidental Permian Ltd.	North Hobbs RCF	WIB Inlet	Header	12/17/2024	10:17 AM
Liquid	Occidental Permian Ltd.	North Hobbs RCF	DEX PRO	Gasoline	12/17/2024	9:16 AM
Liquid	Occidental Permian Ltd.	North Hobbs RCF	NGL Storage	NGL	12/17/2024	8:43 AM
Liquid	Occidental Permian Ltd.	North Hobbs RCF	Stabilizer	Bottoms	12/17/2024	8:55 AM

Liquid	Occidental Permian Ltd.	North Hobbs RCF	Surge Tank	Propane Liquid	12/17/2024	9:28 AM

No Sample List				
Operator	**Location**	**Site**	**Sample Point**	**Comment**
Occidental Permian Ltd.	New Mexico Measurement	21013	#2 Slug Catcher Inlet	No Flow at Sample Point
Occidental Permian Ltd.	North Hobbs RCF	DEX PRO	Gasoline	Sample Point All Water
Occidental Permian Ltd.	North Hobbs RCF	DEX PRO	Outlet	Unable to collect sample with Site Setup/Equipment
Occidental Permian Ltd.	North Hobbs RCF	Inlet 7	Header	Unable to collect sample with Site Setup/Equipment
Occidental Permian Ltd.	North Hobbs RCF	WIB Inlet	Header	Sample Point All Water

Pantechs Laboratories, Inc. - Order: 1120-7805 - 12/17/2024 - North Hobbs RCF - Monthly Collection

SAMPLE ID		COLLECTION DATA	
Operator	Occidental Permian Ltd.	**Pressure**	1620 psig
Location	New Mexico Measurement	**Sample Temp**	104 F
Site	2098	**Atm Temp**	43 F
Site Type	Meter	**Collection Date**	12/17/2024
Sample Point	CO2 Discharge	**Collection Time**	8:35 AM
Spot/Comp	Spot	**Collection By**	Cody Carson
Meter ID	2098	**Pressure Base**	15.025 psi
Regulatory ID		**Temperature Base**	60 F
Fluid	CO2	**Container(s)**	YZ9357

GPA 2177-20 CO2 Fractional Analysis

COMPOUND	FORMULA	MOL%	VOL%	WT%
NITROGEN	N2	3.490	2.231	2.338
CARBON DIOXIDE	CO2	86.311	85.789	90.823
HYDROGEN SULFIDE	H2S	1.590	1.249	1.296
METHANE	C1	5.520	5.456	2.117
ETHANE	C2	0.914	1.425	0.657
PROPANE	C3	1.238	1.989	1.305
I-BUTANE	iC4	0.201	0.383	0.279
N-BUTANE	nC4	0.410	0.754	0.570
I-PENTANE	iC5	0.129	0.275	0.223
N-PENTANE	nC5	0.098	0.207	0.169
HEXANES PLUS	C6+	0.099	0.242	0.223
TOTALS:		**100.000**	**100.000**	**100.000**

Value of "0.000" in fractional interpreted as below detectable limit. Onsite H2S value is used in fractional table if performed.

Liquid Phase Properties

SCF/Gal (Ideal)	SCF/Gal (Real)	Mol Weight	Relative Density (60/60)	Vapor Pressure 100F, psia
57.170	56.848	41.824	0.773	9.0

Vapor Phase Properties

ITEM	BTU/CF	Specific Gr.	Z Factor
DRY	151.33	1.452	0.994
WATER SATURATED	149.68	1.438	0.994

Onsite Testing by Stain Tube

METHOD	TYPE	MOL%	GRAINS/100	PPMV	LB/MMSCF
GPA2377	hydrogen sulfide	1.5897	1,009.43	16,049.9	757.0

Mol%, Grains/100, PPMV are pressure and temperature corrected to base conditions.

Pantechs Laboratories, Inc. - Order: 1120-7805 - 12/17/2024 - North Hobbs RCF - Monthly Collection

SAMPLE ID		COLLECTION DATA	
Operator	Occidental Permian Ltd.	**Pressure**	1619 psig
Location	New Mexico Measurement	**Sample Temp**	104 F
Site	2099	**Atm Temp**	43 F
Site Type	Meter	**Collection Date**	12/17/2024
Sample Point	CO2 Discharge	**Collection Time**	8:27 AM
Spot/Comp	Spot	**Collection By**	Cody Carson
Meter ID	2099	**Pressure Base**	15.025 psi
Regulatory ID		**Temperature Base**	60 F
Fluid	CO2	**Container(s)**	YZ10133

GPA 2177-20 CO2 Fractional Analysis

COMPOUND	FORMULA	MOL%	VOL%	WT%
NITROGEN	N2	4.130	2.651	2.796
CARBON DIOXIDE	CO2	84.799	84.616	90.189
HYDROGEN SULFIDE	H2S	1.590	1.254	1.310
METHANE	C1	6.455	6.405	2.503
ETHANE	C2	1.019	1.595	0.740
PROPANE	C3	1.377	2.221	1.467
I-BUTANE	iC4	0.157	0.301	0.221
N-BUTANE	nC4	0.267	0.493	0.375
I-PENTANE	iC5	0.073	0.156	0.127
N-PENTANE	nC5	0.059	0.125	0.103
HEXANES PLUS	C6+	0.074	0.183	0.169
TOTALS:		**100.000**	**100.000**	**100.000**

Value of "0.000" in fractional interpreted as below detectable limit. Onsite H2S value is used in fractional table if performed.

Liquid Phase Properties

SCF/Gal (Ideal)	SCF/Gal (Real)	Mol Weight	Relative Density (60/60)	Vapor Pressure 100F, psia
57.395	57.080	41.380	0.767	9.2

Vapor Phase Properties

ITEM	BTU/CF	Specific Gr.	Z Factor
DRY	155.08	1.436	0.995
WATER SATURATED	153.36	1.423	0.994

Onsite Testing by Stain Tube

METHOD	TYPE	MOL%	GRAINS/100	PPMV	LB/MMSCF
GPA2377	hydrogen sulfide	1.5897	1,009.43	16,049.9	757.0

Mol%, Grains/100, PPMV are pressure and temperature corrected to base conditions.

Pantechs Laboratories, Inc. - Order: 1120-7805 - 12/17/2024 - North Hobbs RCF - Monthly Collection

SAMPLE ID		COLLECTION DATA	
Operator	Occidental Permian Ltd.	**Pressure**	289 psig
Location	New Mexico Measurement	**Sample Temp**	60 F
Site	1013	**Atm Temp**	45 F
Site Type	Meter	**Collection Date**	12/17/2024
Sample Point	#1 Slug Catcher Inlet	**Collection Time**	9:46 AM
Spot/Comp	Spot	**Collection By**	Cody Carson
Meter ID	1013	**Pressure Base**	15.025 psi
Regulatory ID		**Temperature Base**	60 F
Fluid	Gas	**Container(s)**	PL1962

GPA 2261-20 Gas Fractional Analysis

COMPOUND	FORMULA	MOL%	WT%	GPM
NITROGEN	N2	1.408	0.938	0.158
CARBON DIOXIDE	CO2	87.015	91.038	15.218
HYDROGEN SULFIDE	H2S	0.922	0.747	0.127
METHANE	C1	6.948	2.650	1.208
ETHANE	C2	0.800	0.572	0.220
PROPANE	C3	1.183	1.240	0.334
I-BUTANE	iC4	0.255	0.352	0.086
N-BUTANE	nC4	0.699	0.966	0.226
I-PENTANE	iC5	0.236	0.405	0.089
N-PENTANE	nC5	0.198	0.340	0.074
HEXANES PLUS	C6+	0.336	0.752	0.147
TOTALS:		**100.000**	**100.000**	**17.887**

Value of "0.000" in fractional interpreted as below detectable limit. Onsite H2S value is used in fractional table if performed.

LIQUID YIELD	C2+	C3+	C4+	C5+	26# Liquid	10# Liquid
GAL/MSCF (GPM)	1.176	0.956	0.622	0.310	0.472	0.278

GPA 2172/ASTM D3588 CALCULATED PROPERTIES

WATER CONTENT	BTU/CF, Gross	BTU/CF, Net	Specific Gr.	Z Factor	Mol Weight	Wobbe IDX
DRY	191.04	174.79	1.461	0.994	42.065	158.08
SATURATED	188.73	171.80	1.447	0.994	41.348	

Onsite Testing by Stain Tube

METHOD	TYPE	MOL%	GRAINS/100	PPMV	LB/MMSCF
GPA2377	hydrogen sulfide	0.9216	585.22	9,305.0	438.9

Mol%, Grains/100, PPMV are pressure and temperature corrected to base conditions.

Pantechs Laboratories, Inc. - Order: 1120-7805 - 12/17/2024 - North Hobbs RCF - Monthly Collection

SAMPLE ID		COLLECTION DATA	
Operator	Occidental Permian Ltd.	**Pressure**	275 psig
Location	New Mexico Measurement	**Sample Temp**	65 F
Site	10002	**Atm Temp**	43 F
Site Type	Meter	**Collection Date**	12/17/2024
Sample Point	NGL Plant Inlet	**Collection Time**	9:00 AM
Spot/Comp	Spot	**Collection By**	Cody Carson
Meter ID	10002	**Pressure Base**	15.025 psi
Regulatory ID		**Temperature Base**	60 F
Fluid	Gas	**Container(s)**	PL1835

GPA 2261-20 Gas Fractional Analysis

COMPOUND	FORMULA	MOL%	WT%	GPM
NITROGEN	N2	1.430	0.951	0.161
CARBON DIOXIDE	CO2	86.931	90.804	15.204
HYDROGEN SULFIDE	H2S	0.913	0.739	0.126
METHANE	C1	6.867	2.615	1.194
ETHANE	C2	0.802	0.572	0.220
PROPANE	C3	1.196	1.252	0.338
I-BUTANE	iC4	0.272	0.375	0.091
N-BUTANE	nC4	0.722	0.996	0.234
I-PENTANE	iC5	0.250	0.428	0.094
N-PENTANE	nC5	0.216	0.370	0.080
HEXANES PLUS	C6+	0.401	0.899	0.175
TOTALS:		**100.000**	**100.000**	**17.917**

Value of "0.000" in fractional interpreted as below detectable limit. Onsite H2S value is used in fractional table if performed.

LIQUID YIELD	C2+	C3+	C4+	C5+	26# Liquid	10# Liquid
GAL/MSCF (GPM)	1.232	1.012	0.674	0.349	0.537	0.327

GPA 2172/ASTM D3588 CALCULATED PROPERTIES

WATER CONTENT	BTU/CF, Gross	BTU/CF, Net	Specific Gr.	Z Factor	Mol Weight	Wobbe IDX
DRY	196.68	180.06	1.463	0.994	42.133	162.61
SATURATED	194.27	176.98	1.449	0.994	41.415	

Onsite Testing by Stain Tube

METHOD	TYPE	MOL%	GRAINS/100	PPMV	LB/MMSCF
GPA2377	hydrogen sulfide	0.9125	579.43	9,212.9	434.5

Mol%, Grains/100, PPMV are pressure and temperature corrected to base conditions.

Pantechs Laboratories, Inc. - Order: 1120-7805 - 12/17/2024 - North Hobbs RCF - Monthly Collection

SAMPLE ID		COLLECTION DATA	
Operator	Occidental Permian Ltd.	**Pressure**	N/A
Location	New Mexico Measurement	**Sample Temp**	N/A
Site	21013	**Atm Temp**	N/A
Site Type	Meter	**Collection Date**	12/17/2024
Sample Point	#2 Slug Catcher Inlet	**Collection Time**	9:47 AM
Spot/Comp	Spot	**Collection By**	Cody Carson
Meter ID	21013	**Pressure Base**	15.025 psi
Regulatory ID		**Temperature Base**	60 F
Fluid	Gas	**Container(s)**	

No Sample

Employee	Comment
Cody Carson	No Flow at Sample Point

Pantechs Laboratories, Inc. - Order: 1120-7805 - 12/17/2024 - North Hobbs RCF - Monthly Collection

SAMPLE ID		COLLECTION DATA	
Operator	Occidental Permian Ltd.	**Pressure**	291 psig
Location	New Mexico Measurement	**Sample Temp**	60 F
Site	21023	**Atm Temp**	45 F
Site Type	Meter	**Collection Date**	12/17/2024
Sample Point	#3 Slug Catcher Inlet	**Collection Time**	9:35 AM
Spot/Comp	Spot	**Collection By**	Cody Carson
Meter ID	21023	**Pressure Base**	15.025 psi
Regulatory ID		**Temperature Base**	60 F
Fluid	Gas	**Container(s)**	PL3177

GPA 2261-20 Gas Fractional Analysis

COMPOUND	FORMULA	MOL%	WT%	GPM
NITROGEN	N2	1.514	0.999	0.170
CARBON DIOXIDE	CO2	89.587	92.888	15.667
HYDROGEN SULFIDE	H2S	0.614	0.493	0.085
METHANE	C1	5.319	2.010	0.925
ETHANE	C2	0.653	0.463	0.179
PROPANE	C3	0.982	1.020	0.278
I-BUTANE	iC4	0.215	0.294	0.072
N-BUTANE	nC4	0.571	0.782	0.185
I-PENTANE	iC5	0.169	0.287	0.063
N-PENTANE	nC5	0.140	0.238	0.052
HEXANES PLUS	C6+	0.236	0.526	0.103
TOTALS:		**100.000**	**100.000**	**17.779**

Value of "0.000" in fractional interpreted as below detectable limit. Onsite H2S value is used in fractional table if performed.

LIQUID YIELD	C2+	C3+	C4+	C5+	26# Liquid	10# Liquid
GAL/MSCF (GPM)	0.932	0.753	0.475	0.218	0.333	0.195

GPA 2172/ASTM D3588 CALCULATED PROPERTIES

WATER CONTENT	BTU/CF, Gross	BTU/CF, Net	Specific Gr.	Z Factor	Mol Weight	Wobbe IDX
DRY	148.19	135.58	1.474	0.994	42.446	122.07
SATURATED	146.59	133.27	1.460	0.994	41.723	

Onsite Testing by Stain Tube

METHOD	TYPE	MOL%	GRAINS/100	PPMV	LB/MMSCF
GPA2377	hydrogen sulfide	0.6144	390.13	6,203.1	292.6

Mol%, Grains/100, PPMV are pressure and temperature corrected to base conditions.

Pantechs Laboratories, Inc. - Order: 1120-7805 - 12/17/2024 - North Hobbs RCF - Monthly Collection

SAMPLE ID		COLLECTION DATA	
Operator	Occidental Permian Ltd.	**Pressure**	286 psig
Location	North Hobbs RCF	**Sample Temp**	63 F
Site	DEX PRO	**Atm Temp**	40 F
Site Type	Station	**Collection Date**	12/17/2024
Sample Point	Inlet	**Collection Time**	9:14 AM
Spot/Comp	Spot	**Collection By**	Cody Carson
Meter ID		**Pressure Base**	14.650 psi
Regulatory ID		**Temperature Base**	60 F
Fluid	Gas	**Container(s)**	PL3142

GPA 2261-20 Gas Fractional Analysis

COMPOUND	FORMULA	MOL%	WT%	GPM
NITROGEN	N2	1.540	1.018	0.169
CARBON DIOXIDE	CO2	89.269	92.718	15.219
HYDROGEN SULFIDE	H2S	0.572	0.460	0.077
METHANE	C1	5.546	2.100	0.940
ETHANE	C2	0.681	0.483	0.182
PROPANE	C3	1.061	1.104	0.292
I-BUTANE	iC4	0.223	0.306	0.073
N-BUTANE	nC4	0.580	0.796	0.183
I-PENTANE	iC5	0.169	0.288	0.062
N-PENTANE	nC5	0.138	0.235	0.050
HEXANES PLUS	C6+	0.221	0.492	0.094
TOTALS:		**100.000**	**100.000**	**17.341**

Value of "0.000" in fractional interpreted as below detectable limit. Onsite H2S value is used in fractional table if performed.

LIQUID YIELD	C2+	C3+	C4+	C5+	26# Liquid	10# Liquid
GAL/MSCF (GPM)	0.936	0.754	0.462	0.206	0.313	0.179

GPA 2172/ASTM D3588 CALCULATED PROPERTIES

WATER CONTENT	BTU/CF, Gross	BTU/CF, Net	Specific Gr.	Z Factor	Mol Weight	Wobbe IDX
DRY	148.65	135.98	1.471	0.994	42.373	122.57
SATURATED	147.00	133.60	1.457	0.994	41.632	

Onsite Testing by Stain Tube

METHOD	TYPE	MOL%	GRAINS/100	PPMV	LB/MMSCF
GPA2377	hydrogen sulfide	0.5717	363.02	5,772.0	272.2

Mol%, Grains/100, PPMV are pressure and temperature corrected to base conditions.

Pantechs Laboratories, Inc. - Order: 1120-7805 - 12/17/2024 - North Hobbs RCF - Monthly Collection

SAMPLE ID		COLLECTION DATA	
Operator	Occidental Permian Ltd.	**Pressure**	N/A
Location	North Hobbs RCF	**Sample Temp**	N/A
Site	DEX PRO	**Atm Temp**	N/A
Site Type	Station	**Collection Date**	12/17/2024
Sample Point	Outlet	**Collection Time**	9:16 AM
Spot/Comp	Spot	**Collection By**	Cody Carson
Meter ID		**Pressure Base**	14.650 psi
Regulatory ID		**Temperature Base**	60 F
Fluid	Gas	**Container(s)**	

No Sample

Employee	Comment
Cody Carson	Unable to collect sample with Site Setup/Equipment

Pantechs Laboratories, Inc. - Order: 1120-7805 - 12/17/2024 - North Hobbs RCF - Monthly Collection

SAMPLE ID		COLLECTION DATA	
Operator	Occidental Permian Ltd.	**Pressure**	294 psig
Location	North Hobbs RCF	**Sample Temp**	60 F
Site	Inlet 1	**Atm Temp**	50 F
Site Type	Station	**Collection Date**	12/17/2024
Sample Point	Header	**Collection Time**	9:55 AM
Spot/Comp	Spot	**Collection By**	Cody Carson
Meter ID		**Pressure Base**	14.650 psi
Regulatory ID		**Temperature Base**	60 F
Fluid	Gas	**Container(s)**	PL0329

GPA 2261-20 Gas Fractional Analysis

COMPOUND	FORMULA	MOL%	WT%	GPM
NITROGEN	N2	1.547	1.041	0.170
CARBON DIOXIDE	CO2	86.330	91.295	14.717
HYDROGEN SULFIDE	H2S	0.599	0.491	0.081
METHANE	C1	8.053	3.104	1.365
ETHANE	C2	0.942	0.681	0.252
PROPANE	C3	1.259	1.334	0.347
I-BUTANE	iC4	0.219	0.306	0.072
N-BUTANE	nC4	0.551	0.770	0.174
I-PENTANE	iC5	0.159	0.276	0.058
N-PENTANE	nC5	0.132	0.229	0.048
HEXANES PLUS	C6+	0.209	0.474	0.088
TOTALS:		**100.000**	**100.000**	**17.372**

Value of "0.000" in fractional interpreted as below detectable limit. Onsite H2S value is used in fractional table if performed.

LIQUID YIELD	C2+	C3+	C4+	C5+	26# Liquid	10# Liquid
GAL/MSCF (GPM)	1.039	0.787	0.440	0.194	0.295	0.169

GPA 2172/ASTM D3588 CALCULATED PROPERTIES

WATER CONTENT	BTU/CF, Gross	BTU/CF, Net	Specific Gr.	Z Factor	Mol Weight	Wobbe IDX
DRY	181.48	165.68	1.444	0.994	41.616	151.00
SATURATED	179.27	162.78	1.431	0.994	40.889	

Onsite Testing by Stain Tube

METHOD	TYPE	MOL%	GRAINS/100	PPMV	LB/MMSCF
GPA2377	hydrogen sulfide	0.5990	380.38	6,048.0	285.2

Mol%, Grains/100, PPMV are pressure and temperature corrected to base conditions.

Pantechs Laboratories, Inc. - Order: 1120-7805 - 12/17/2024 - North Hobbs RCF - Monthly Collection

SAMPLE ID		COLLECTION DATA	
Operator	Occidental Permian Ltd.	**Pressure**	290 psig
Location	North Hobbs RCF	**Sample Temp**	60 F
Site	Inlet 2	**Atm Temp**	50 F
Site Type	Station	**Collection Date**	12/17/2024
Sample Point	Header	**Collection Time**	9:59 AM
Spot/Comp	Spot	**Collection By**	Cody Carson
Meter ID		**Pressure Base**	14.650 psi
Regulatory ID		**Temperature Base**	60 F
Fluid	Gas	**Container(s)**	PL0914

GPA 2261-20 Gas Fractional Analysis

COMPOUND	FORMULA	MOL%	WT%	GPM
NITROGEN	N2	1.174	0.769	0.129
CARBON DIOXIDE	CO2	89.875	92.429	15.326
HYDROGEN SULFIDE	H2S	0.000	0.000	0.000
METHANE	C1	5.178	1.941	0.878
ETHANE	C2	0.658	0.462	0.176
PROPANE	C3	1.075	1.108	0.296
I-BUTANE	iC4	0.273	0.371	0.089
N-BUTANE	nC4	0.813	1.104	0.256
I-PENTANE	iC5	0.290	0.489	0.106
N-PENTANE	nC5	0.250	0.421	0.091
HEXANES PLUS	C6+	0.414	0.906	0.176
TOTALS:		**100.000**	**100.000**	**17.523**

Value of "0.000" in fractional interpreted as below detectable limit. Onsite H2S value is used in fractional table if performed.

LIQUID YIELD	C2+	C3+	C4+	C5+	26# Liquid	10# Liquid
GAL/MSCF (GPM)	1.190	1.014	0.718	0.373	0.568	0.331

GPA 2172/ASTM D3588 CALCULATED PROPERTIES

WATER CONTENT	BTU/CF, Gross	BTU/CF, Net	Specific Gr.	Z Factor	Mol Weight	Wobbe IDX
DRY	169.70	155.64	1.486	0.994	42.794	139.22
SATURATED	167.69	152.91	1.471	0.994	42.046	

Onsite Testing by Stain Tube

METHOD	TYPE	MOL%	GRAINS/100	PPMV	LB/MMSCF
GPA2377	hydrogen sulfide	0.0000	0.03	0.5	0.0

Mol%, Grains/100, PPMV are pressure and temperature corrected to base conditions.

Pantechs Laboratories, Inc. - Order: 1120-7805 - 12/17/2024 - North Hobbs RCF - Monthly Collection

SAMPLE ID		COLLECTION DATA	
Operator	Occidental Permian Ltd.	**Pressure**	295 psig
Location	North Hobbs RCF	**Sample Temp**	60 F
Site	Inlet 3	**Atm Temp**	50 F
Site Type	Station	**Collection Date**	12/17/2024
Sample Point	Header	**Collection Time**	10:03 AM
Spot/Comp	Spot	**Collection By**	Cody Carson
Meter ID		**Pressure Base**	14.650 psi
Regulatory ID		**Temperature Base**	60 F
Fluid	Gas	**Container(s)**	PL3063

GPA 2261-20 Gas Fractional Analysis

COMPOUND	FORMULA	MOL%	WT%	GPM
NITROGEN	N2	1.912	1.263	0.210
CARBON DIOXIDE	CO2	88.168	91.464	15.033
HYDROGEN SULFIDE	H2S	0.719	0.578	0.097
METHANE	C1	5.557	2.101	0.942
ETHANE	C2	0.692	0.490	0.185
PROPANE	C3	1.119	1.163	0.308
I-BUTANE	iC4	0.268	0.367	0.088
N-BUTANE	nC4	0.763	1.045	0.241
I-PENTANE	iC5	0.258	0.439	0.094
N-PENTANE	nC5	0.218	0.371	0.079
HEXANES PLUS	C6+	0.326	0.719	0.138
TOTALS:		**100.000**	**100.000**	**17.415**

Value of "0.000" in fractional interpreted as below detectable limit. Onsite H2S value is used in fractional table if performed.

LIQUID YIELD	C2+	C3+	C4+	C5+	26# Liquid	10# Liquid
GAL/MSCF (GPM)	1.133	0.948	0.640	0.311	0.471	0.264

GPA 2172/ASTM D3588 CALCULATED PROPERTIES

WATER CONTENT	BTU/CF, Gross	BTU/CF, Net	Specific Gr.	Z Factor	Mol Weight	Wobbe IDX
DRY	170.93	156.62	1.473	0.994	42.424	140.85
SATURATED	168.90	153.87	1.459	0.994	41.683	

Onsite Testing by Stain Tube

METHOD	TYPE	MOL%	GRAINS/100	PPMV	LB/MMSCF
GPA2377	hydrogen sulfide	0.7188	456.42	7,257.1	342.3

Mol%, Grains/100, PPMV are pressure and temperature corrected to base conditions.

Pantechs Laboratories, Inc. - Order: 1120-7805 - 12/17/2024 - North Hobbs RCF - Monthly Collection

SAMPLE ID		COLLECTION DATA	
Operator	Occidental Permian Ltd.	**Pressure**	296 psig
Location	North Hobbs RCF	**Sample Temp**	60 F
Site	Inlet 4	**Atm Temp**	50 F
Site Type	Station	**Collection Date**	12/17/2024
Sample Point	Header	**Collection Time**	10:07 AM
Spot/Comp	Spot	**Collection By**	Cody Carson
Meter ID		**Pressure Base**	14.650 psi
Regulatory ID		**Temperature Base**	60 F
Fluid	Gas	**Container(s)**	PL3188

GPA 2261-20 Gas Fractional Analysis

COMPOUND	FORMULA	MOL%	WT%	GPM
NITROGEN	N2	1.763	1.192	0.193
CARBON DIOXIDE	CO2	85.667	90.975	14.603
HYDROGEN SULFIDE	H2S	0.719	0.591	0.097
METHANE	C1	8.416	3.258	1.427
ETHANE	C2	0.958	0.695	0.256
PROPANE	C3	1.268	1.349	0.349
I-BUTANE	iC4	0.217	0.304	0.071
N-BUTANE	nC4	0.549	0.770	0.173
I-PENTANE	iC5	0.148	0.258	0.054
N-PENTANE	nC5	0.119	0.207	0.043
HEXANES PLUS	C6+	0.176	0.401	0.075
TOTALS:		**100.000**	**100.000**	**17.341**

Value of "0.000" in fractional interpreted as below detectable limit. Onsite H2S value is used in fractional table if performed.

LIQUID YIELD	C2+	C3+	C4+	C5+	26# Liquid	10# Liquid
GAL/MSCF (GPM)	1.021	0.765	0.416	0.172	0.260	0.144

GPA 2172/ASTM D3588 CALCULATED PROPERTIES

WATER CONTENT	BTU/CF, Gross	BTU/CF, Net	Specific Gr.	Z Factor	Mol Weight	Wobbe IDX
DRY	183.63	167.55	1.438	0.994	41.442	153.11
SATURATED	181.38	164.62	1.425	0.994	40.718	

Onsite Testing by Stain Tube

METHOD	TYPE	MOL%	GRAINS/100	PPMV	LB/MMSCF
GPA2377	hydrogen sulfide	0.7188	456.42	7,257.1	342.3

Mol%, Grains/100, PPMV are pressure and temperature corrected to base conditions.

Pantechs Laboratories, Inc. - Order: 1120-7805 - 12/17/2024 - North Hobbs RCF - Monthly Collection

SAMPLE ID		COLLECTION DATA	
Operator	Occidental Permian Ltd.	**Pressure**	299 psig
Location	North Hobbs RCF	**Sample Temp**	60 F
Site	Inlet 5	**Atm Temp**	50 F
Site Type	Station	**Collection Date**	12/17/2024
Sample Point	Header	**Collection Time**	10:12 AM
Spot/Comp	Spot	**Collection By**	Cody Carson
Meter ID		**Pressure Base**	14.650 psi
Regulatory ID		**Temperature Base**	60 F
Fluid	Gas	**Container(s)**	PL3155

GPA 2261-20 Gas Fractional Analysis

COMPOUND	FORMULA	MOL%	WT%	GPM
NITROGEN	N2	2.090	1.410	0.229
CARBON DIOXIDE	CO2	85.806	90.955	14.626
HYDROGEN SULFIDE	H2S	0.719	0.590	0.097
METHANE	C1	7.992	3.088	1.355
ETHANE	C2	0.919	0.666	0.246
PROPANE	C3	1.239	1.316	0.341
I-BUTANE	iC4	0.219	0.307	0.072
N-BUTANE	nC4	0.559	0.783	0.176
I-PENTANE	iC5	0.157	0.273	0.057
N-PENTANE	nC5	0.126	0.219	0.046
HEXANES PLUS	C6+	0.174	0.393	0.074
TOTALS:		**100.000**	**100.000**	**17.319**

Value of "0.000" in fractional interpreted as below detectable limit. Onsite H2S value is used in fractional table if performed.

LIQUID YIELD	C2+	C3+	C4+	C5+	26# Liquid	10# Liquid
GAL/MSCF (GPM)	1.012	0.766	0.425	0.177	0.266	0.143

GPA 2172/ASTM D3588 CALCULATED PROPERTIES

WATER CONTENT	BTU/CF, Gross	BTU/CF, Net	Specific Gr.	Z Factor	Mol Weight	Wobbe IDX
DRY	178.78	163.18	1.441	0.994	41.518	148.93
SATURATED	176.61	160.32	1.427	0.994	40.793	

Onsite Testing by Stain Tube

METHOD	TYPE	MOL%	GRAINS/100	PPMV	LB/MMSCF
GPA2377	hydrogen sulfide	0.7188	456.42	7,257.1	342.3

Mol%, Grains/100, PPMV are pressure and temperature corrected to base conditions.

Pantechs Laboratories, Inc. - Order: 1120-7805 - 12/17/2024 - North Hobbs RCF - Monthly Collection

SAMPLE ID		COLLECTION DATA	
Operator	Occidental Permian Ltd.	**Pressure**	301 psig
Location	North Hobbs RCF	**Sample Temp**	60 F
Site	Inlet 6	**Atm Temp**	50 F
Site Type	Station	**Collection Date**	12/17/2024
Sample Point	Header	**Collection Time**	10:16 AM
Spot/Comp	Spot	**Collection By**	Cody Carson
Meter ID		**Pressure Base**	14.650 psi
Regulatory ID		**Temperature Base**	60 F
Fluid	Gas	**Container(s)**	PL3121

GPA 2261-20 Gas Fractional Analysis

COMPOUND	FORMULA	MOL%	WT%	GPM
NITROGEN	N2	1.662	1.121	0.182
CARBON DIOXIDE	CO2	85.964	91.081	14.654
HYDROGEN SULFIDE	H2S	0.719	0.590	0.097
METHANE	C1	8.185	3.161	1.388
ETHANE	C2	0.940	0.680	0.251
PROPANE	C3	1.269	1.347	0.350
I-BUTANE	iC4	0.221	0.309	0.072
N-BUTANE	nC4	0.568	0.795	0.179
I-PENTANE	iC5	0.159	0.276	0.058
N-PENTANE	nC5	0.130	0.226	0.047
HEXANES PLUS	C6+	0.183	0.414	0.078
TOTALS:		**100.000**	**100.000**	**17.356**

Value of "0.000" in fractional interpreted as below detectable limit. Onsite H2S value is used in fractional table if performed.

LIQUID YIELD	C2+	C3+	C4+	C5+	26# Liquid	10# Liquid
GAL/MSCF (GPM)	1.035	0.784	0.434	0.183	0.275	0.151

GPA 2172/ASTM D3588 CALCULATED PROPERTIES

WATER CONTENT	BTU/CF, Gross	BTU/CF, Net	Specific Gr.	Z Factor	Mol Weight	Wobbe IDX
DRY	182.96	166.99	1.442	0.994	41.538	152.37
SATURATED	180.72	164.07	1.428	0.994	40.812	

Onsite Testing by Stain Tube

METHOD	TYPE	MOL%	GRAINS/100	PPMV	LB/MMSCF
GPA2377	hydrogen sulfide	0.7188	456.42	7,257.1	342.3

Mol%, Grains/100, PPMV are pressure and temperature corrected to base conditions.

Pantechs Laboratories, Inc. - Order: 1120-7805 - 12/17/2024 - North Hobbs RCF - Monthly Collection

SAMPLE ID		COLLECTION DATA	
Operator	Occidental Permian Ltd.	**Pressure**	N/A
Location	North Hobbs RCF	**Sample Temp**	N/A
Site	Inlet 7	**Atm Temp**	N/A
Site Type	Station	**Collection Date**	12/17/2024
Sample Point	Header	**Collection Time**	10:17 AM
Spot/Comp	Spot	**Collection By**	Cody Carson
Meter ID		**Pressure Base**	14.650 psi
Regulatory ID		**Temperature Base**	60 F
Fluid	Gas	**Container(s)**	

No Sample

Employee	Comment
Cody Carson	Unable to collect sample with Site Setup/Equipment

Pantechs Laboratories, Inc. - Order: 1120-7805 - 12/17/2024 - North Hobbs RCF - Monthly Collection

SAMPLE ID		COLLECTION DATA	
Operator	Occidental Permian Ltd.	**Pressure**	290 psig
Location	North Hobbs RCF	**Sample Temp**	70 F
Site	New 20" Line	**Atm Temp**	45 F
Site Type	Station	**Collection Date**	12/17/2024
Sample Point	Sample Valve	**Collection Time**	9:41 AM
Spot/Comp	Spot	**Collection By**	Cody Carson
Meter ID		**Pressure Base**	14.650 psi
Regulatory ID		**Temperature Base**	60 F
Fluid	Gas	**Container(s)**	PL2179

GPA 2261-20 Gas Fractional Analysis

COMPOUND	FORMULA	MOL%	WT%	GPM
NITROGEN	N2	1.615	1.057	0.177
CARBON DIOXIDE	CO2	91.032	93.599	15.521
HYDROGEN SULFIDE	H2S	0.470	0.374	0.063
METHANE	C1	4.129	1.548	0.700
ETHANE	C2	0.536	0.377	0.143
PROPANE	C3	0.868	0.894	0.239
I-BUTANE	iC4	0.217	0.295	0.071
N-BUTANE	nC4	0.573	0.778	0.181
I-PENTANE	iC5	0.168	0.283	0.062
N-PENTANE	nC5	0.139	0.234	0.050
HEXANES PLUS	C6+	0.253	0.561	0.108
TOTALS:		**100.000**	**100.000**	**17.315**

Value of "0.000" in fractional interpreted as below detectable limit. Onsite H2S value is used in fractional table if performed.

LIQUID YIELD	C2+	C3+	C4+	C5+	26# Liquid	10# Liquid
GAL/MSCF (GPM)	0.854	0.711	0.472	0.220	0.337	0.203

GPA 2172/ASTM D3588 CALCULATED PROPERTIES

WATER CONTENT	BTU/CF, Gross	BTU/CF, Net	Specific Gr.	Z Factor	Mol Weight	Wobbe IDX
DRY	127.52	116.86	1.486	0.994	42.803	104.62
SATURATED	126.23	114.82	1.472	0.994	42.055	

Onsite Testing by Stain Tube

METHOD	TYPE	MOL%	GRAINS/100	PPMV	LB/MMSCF
GPA2377	hydrogen sulfide	0.4697	298.24	4,742.0	223.7

Mol%, Grains/100, PPMV are pressure and temperature corrected to base conditions.

Pantechs Laboratories, Inc. - Order: 1120-7805 - 12/17/2024 - North Hobbs RCF - Monthly Collection

SAMPLE ID		COLLECTION DATA	
Operator	Occidental Permian Ltd.	**Pressure**	239 psia
Location	North Hobbs RCF	**Sample Temp**	50 F
Site	Reflux Stabilizer	**Atm Temp**	43 F
Site Type	Station	**Collection Date**	12/17/2024
Sample Point	Sample Valve	**Collection Time**	8:52 AM
Spot/Comp	Spot	**Collection By**	Cody Carson
Meter ID		**Pressure Base**	14.650 psi
Regulatory ID		**Temperature Base**	60 F
Fluid	Gas	**Container(s)**	PL2315

GPA 2261-20 Gas Fractional Analysis

COMPOUND	FORMULA	MOL%	WT%	GPM
NITROGEN	N2	1.419	0.952	0.156
CARBON DIOXIDE	CO2	89.053	93.843	15.178
HYDROGEN SULFIDE	H2S	0.189	0.154	0.025
METHANE	C1	7.056	2.710	1.196
ETHANE	C2	0.827	0.595	0.221
PROPANE	C3	1.028	1.085	0.283
I-BUTANE	iC4	0.127	0.177	0.042
N-BUTANE	nC4	0.217	0.302	0.068
I-PENTANE	iC5	0.012	0.021	0.004
N-PENTANE	nC5	0.016	0.028	0.006
HEXANES PLUS	C6+	0.056	0.133	0.024
TOTALS:		**100.000**	**100.000**	**17.203**

Value of "0.000" in fractional interpreted as below detectable limit. Onsite H2S value is used in fractional table if performed.

LIQUID YIELD	C2+	C3+	C4+	C5+	26# Liquid	10# Liquid
GAL/MSCF (GPM)	0.648	0.427	0.144	0.034	0.056	0.036

GPA 2172/ASTM D3588 CALCULATED PROPERTIES

WATER CONTENT	BTU/CF, Gross	BTU/CF, Net	Specific Gr.	Z Factor	Mol Weight	Wobbe IDX
DRY	128.62	116.90	1.449	0.995	41.764	106.83
SATURATED	127.31	114.97	1.436	0.994	41.034	

Pantechs Laboratories, Inc. - Order: 1120-7805 - 12/17/2024 - North Hobbs RCF - Monthly Collection

SAMPLE ID		COLLECTION DATA	
Operator	Occidental Permian Ltd.	**Pressure**	297 psig
Location	North Hobbs RCF	**Sample Temp**	59 F
Site	ROZ Inlet	**Atm Temp**	50 F
Site Type	Station	**Collection Date**	12/17/2024
Sample Point	Header	**Collection Time**	9:50 AM
Spot/Comp	Spot	**Collection By**	Cody Carson
Meter ID		**Pressure Base**	14.650 psi
Regulatory ID		**Temperature Base**	60 F
Fluid	Gas	**Container(s)**	PL3056

GPA 2261-20 Gas Fractional Analysis

COMPOUND	FORMULA	MOL%	WT%	GPM
NITROGEN	N2	1.521	1.021	0.167
CARBON DIOXIDE	CO2	85.859	90.517	14.638
HYDROGEN SULFIDE	H2S	0.900	0.735	0.121
METHANE	C1	7.912	3.041	1.341
ETHANE	C2	0.886	0.638	0.237
PROPANE	C3	1.272	1.344	0.351
I-BUTANE	iC4	0.258	0.359	0.084
N-BUTANE	nC4	0.677	0.943	0.214
I-PENTANE	iC5	0.222	0.384	0.081
N-PENTANE	nC5	0.184	0.318	0.067
HEXANES PLUS	C6+	0.309	0.700	0.131
TOTALS:		**100.000**	**100.000**	**17.432**

Value of "0.000" in fractional interpreted as below detectable limit. Onsite H2S value is used in fractional table if performed.

LIQUID YIELD	C2+	C3+	C4+	C5+	26# Liquid	10# Liquid
GAL/MSCF (GPM)	1.165	0.928	0.577	0.279	0.426	0.249

GPA 2172/ASTM D3588 CALCULATED PROPERTIES

WATER CONTENT	BTU/CF, Gross	BTU/CF, Net	Specific Gr.	Z Factor	Mol Weight	Wobbe IDX
DRY	196.53	179.67	1.449	0.994	41.744	163.26
SATURATED	194.06	176.53	1.435	0.994	41.015	

Onsite Testing by Stain Tube

METHOD	TYPE	MOL%	GRAINS/100	PPMV	LB/MMSCF
GPA2377	hydrogen sulfide	0.9003	571.70	9,090.0	428.7

Mol%, Grains/100, PPMV are pressure and temperature corrected to base conditions.

Pantechs Laboratories, Inc. - Order: 1120-7805 - 12/17/2024 - North Hobbs RCF - Monthly Collection

SAMPLE ID		COLLECTION DATA	
Operator	Occidental Permian Ltd.	**Pressure**	143 psig
Location	North Hobbs RCF	**Sample Temp**	N/A
Site	Surge Tank	**Atm Temp**	40 F
Site Type	Tank	**Collection Date**	12/17/2024
Sample Point	Propane Vapor	**Collection Time**	9:24 AM
Spot/Comp	Spot	**Collection By**	Cody Carson
Meter ID		**Pressure Base**	14.650 psi
Regulatory ID		**Temperature Base**	60 F
Fluid	Gas	**Container(s)**	PL1901

GPA 2261-20 Gas Fractional Analysis

COMPOUND	FORMULA	MOL%	WT%	GPM
NITROGEN	N2	0.682	0.453	0.076
CARBON DIOXIDE	CO2	0.067	0.070	0.012
HYDROGEN SULFIDE	H2S	0.000	0.000	0.000
METHANE	C1	0.067	0.026	0.011
ETHANE	C2	13.196	9.417	3.566
PROPANE	C3	85.885	89.878	23.914
I-BUTANE	iC4	0.020	0.028	0.007
N-BUTANE	nC4	0.065	0.090	0.021
I-PENTANE	iC5	0.004	0.007	0.001
N-PENTANE	nC5	0.003	0.005	0.001
HEXANES PLUS	C6+	0.011	0.026	0.005
TOTALS:		**100.000**	**100.000**	**27.614**

Value of "0.000" in fractional interpreted as below detectable limit. Onsite H2S value is used in fractional table if performed.

LIQUID YIELD	C2+	C3+	C4+	C5+	26# Liquid	10# Liquid
GAL/MSCF (GPM)	27.515	23.949	0.035	0.007	0.012	0.007

GPA 2172/ASTM D3588 CALCULATED PROPERTIES

WATER CONTENT	BTU/CF, Gross	BTU/CF, Net	Specific Gr.	Z Factor	Mol Weight	Wobbe IDX
DRY	2,429.58	2,234.71	1.478	0.984	42.137	1,998.67
SATURATED	2,389.17	2,195.60	1.464	0.984	41.401	

Pantechs Laboratories, Inc. - Order: 1120-7805 - 12/17/2024 - North Hobbs RCF - Monthly Collection

SAMPLE ID		COLLECTION DATA	
Operator	Occidental Permian Ltd.	**Pressure**	N/A
Location	North Hobbs RCF	**Sample Temp**	N/A
Site	WIB Inlet	**Atm Temp**	N/A
Site Type	Station	**Collection Date**	12/17/2024
Sample Point	Header	**Collection Time**	10:17 AM
Spot/Comp	Spot	**Collection By**	Cody Carson
Meter ID		**Pressure Base**	14.650 psi
Regulatory ID		**Temperature Base**	60 F
Fluid	Gas	**Container(s)**	

No Sample

Employee	Comment
Cody Carson	Sample Point All Water

Pantechs Laboratories, Inc. - Order: 1120-7805 - 12/17/2024 - North Hobbs RCF - Monthly Collection

SAMPLE ID		COLLECTION DATA	
Operator	Occidental Permian Ltd.	**Pressure**	N/A
Location	North Hobbs RCF	**Sample Temp**	N/A
Site	DEX PRO	**Atm Temp**	N/A
Site Type	Station	**Collection Date**	12/17/2024
Sample Point	Gasoline	**Collection Time**	9:16 AM
Spot/Comp	Spot	**Collection By**	Cody Carson
Meter ID		**Pressure Base**	14.650 psi
Regulatory ID		**Temperature Base**	60 F
Fluid	Liquid	**Container(s)**	

No Sample

Employee	Comment
Cody Carson	Sample Point All Water

Pantechs Laboratories, Inc. - Order: 1120-7805 - 12/17/2024 - North Hobbs RCF - Monthly Collection

SAMPLE ID		COLLECTION DATA	
Operator	Occidental Permian Ltd.	**Pressure**	1018 psig
Location	North Hobbs RCF	**Sample Temp**	N/A
Site	NGL Storage	**Atm Temp**	45 F
Site Type	Vessel	**Collection Date**	12/17/2024
Sample Point	NGL	**Collection Time**	8:43 AM
Spot/Comp	Spot	**Collection By**	Cody Carson
Meter ID		**Pressure Base**	14.650 psi
Regulatory ID		**Temperature Base**	60 F
Fluid	Liquid	**Container(s)**	PL3025

GPA 2177-20 Liquid Fractional Analysis

COMPOUND	FORMULA	MOL%	VOL%	WT%
NITROGEN	N2	0.016	0.005	0.007
CARBON DIOXIDE	CO2	0.000	0.000	0.000
HYDROGEN SULFIDE	H2S	0.000	0.000	0.000
METHANE	C1	0.000	0.000	0.000
ETHANE	C2	0.000	0.000	0.000
PROPANE	C3	15.436	12.521	10.423
I-BUTANE	iC4	11.831	11.393	10.530
N-BUTANE	nC4	31.939	29.641	28.428
I-PENTANE	iC5	13.477	14.523	14.890
N-PENTANE	nC5	11.343	12.093	12.532
HEXANES PLUS	C6+	15.958	19.824	23.190
TOTALS:		**100.000**	**100.000**	**100.000**

Value of "0.000" in fractional interpreted as below detectable limit.

Calculated Properties

SCF/Gal (Ideal)	SCF/Gal (Real)	Mol Weight	Relative Density (60/60)	Vapor Pressure 100F, psia	Reid VP Equivalent, psi
29.600	28.306	65.304	0.605	59.5	56.5

Pantechs Laboratories, Inc. - Order: 1120-7805 - 12/17/2024 - North Hobbs RCF - Monthly Collection

SAMPLE ID		COLLECTION DATA	
Operator	Occidental Permian Ltd.	**Pressure**	250 psig
Location	North Hobbs RCF	**Sample Temp**	N/A
Site	Stabilizer	**Atm Temp**	43 F
Site Type	Vessel	**Collection Date**	12/17/2024
Sample Point	Bottoms	**Collection Time**	8:55 AM
Spot/Comp	Spot	**Collection By**	Cody Carson
Meter ID		**Pressure Base**	14.650 psi
Regulatory ID		**Temperature Base**	60 F
Fluid	Liquid	**Container(s)**	PL2149

GPA 2177-20 Liquid Fractional Analysis

COMPOUND	FORMULA	MOL%	VOL%	WT%
NITROGEN	N2	0.004	0.001	0.002
CARBON DIOXIDE	CO2	0.000	0.000	0.000
HYDROGEN SULFIDE	H2S	0.000	0.000	0.000
METHANE	C1	0.000	0.000	0.000
ETHANE	C2	0.000	0.000	0.000
PROPANE	C3	13.118	10.935	9.329
I-BUTANE	iC4	18.333	18.143	17.185
N-BUTANE	nC4	40.392	38.526	37.861
I-PENTANE	iC5	11.398	12.622	13.262
N-PENTANE	nC5	8.649	9.477	10.064
HEXANES PLUS	C6+	8.106	10.296	12.297
TOTALS:		**100.000**	**100.000**	**100.000**

Value of "0.000" in fractional interpreted as below detectable limit.

Calculated Properties

SCF/Gal (Ideal)	SCF/Gal (Real)	Mol Weight	Relative Density (60/60)	Vapor Pressure 100F, psia	Reid VP Equivalent, psi
30.418	29.254	62.007	0.592	63.0	59.8

Pantechs Laboratories, Inc. - Order: 1120-7805 - 12/17/2024 - North Hobbs RCF - Monthly Collection

SAMPLE ID		COLLECTION DATA	
Operator	Occidental Permian Ltd.	**Pressure**	145 psig
Location	North Hobbs RCF	**Sample Temp**	N/A
Site	Surge Tank	**Atm Temp**	43 F
Site Type	Tank	**Collection Date**	12/17/2024
Sample Point	Propane Liquid	**Collection Time**	9:28 AM
Spot/Comp	Spot	**Collection By**	Cody Carson
Meter ID		**Pressure Base**	14.650 psi
Regulatory ID		**Temperature Base**	60 F
Fluid	Liquid	**Container(s)**	PL1155

GPA 2177-20 Liquid Fractional Analysis

COMPOUND	FORMULA	MOL%	VOL%	WT%
NITROGEN	N2	0.005	0.002	0.003
CARBON DIOXIDE	CO2	0.000	0.000	0.000
HYDROGEN SULFIDE	H2S	0.000	0.000	0.000
METHANE	C1	0.000	0.000	0.000
ETHANE	C2	1.861	1.805	1.273
PROPANE	C3	97.388	97.298	97.675
I-BUTANE	iC4	0.244	0.289	0.323
N-BUTANE	nC4	0.367	0.420	0.485
I-PENTANE	iC5	0.057	0.076	0.094
N-PENTANE	nC5	0.043	0.056	0.071
HEXANES PLUS	C6+	0.035	0.054	0.076
TOTALS:		**100.000**	**100.000**	**100.000**

Value of "0.000" in fractional interpreted as below detectable limit.

Calculated Properties

SCF/Gal (Ideal)	SCF/Gal (Real)	Mol Weight	Relative Density (60/60)	Vapor Pressure 100F, psia	Reid VP Equivalent, psi
36.456	35.826	43.967	0.505	184.1	175.9

Analysis Methods And Description

ITEM	METHOD	FLUID	DESCRIPTION
NGC6+	GPA 2261-20	Gas	Analysis for Natural Gas and Similar Gaseous Mixtures by Gas Chromatography through C6+
NGLC6+	GPA 2177-20	Liquid	Analysis of Natural Gas Liquid Mixtures Containing Nitrogen and Carbon Dioxide by Gas Chromatography Through C6+
NGLC6+	GPA 2177-20	CO2	Analysis of Natural Gas Liquid Mixtures Containing Nitrogen and Carbon Dioxide by Gas Chromatography Through C6+
OSST	GPA 2377	Gas	Test for Hydrogen Sulfide and Carbon Dioxide in Natural Gas Using Length of Stain Tubes
OSST	GPA 2377	CO2	Test for Hydrogen Sulfide and Carbon Dioxide in Natural Gas Using Length of Stain Tubes

Sampling Methods And Description

Fluid	Method	Description
Gas	GPA 2166	Obtaining Natural Gas Samples for Analysis by Gas Chromatography
Liquid	GPA 2174	Obtaining Liquid Hydrocarbons Samples For Analysis by Gas Chromatography

Calculation Methods And Description

Method	Description
GPA 2145	Table of Physical Properties for Hydrocarbons and Other Compounds of Interest to the Natural Gas and Natural Gas Liquids Industries
GPA 2172	Calculation of Gross Heating Value, Relative Density, Compressibility and Theoretical Hydrocarbon Liquid Content for Natural Gas Mixtures for Custody Transfer
ASTM 3588	Standard Practice for Calculating Heat Value, Compressibility Factor, and Relative Density of Gaseous Fuels

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UPSET FLARING EVENT SPECIFIC JUSTIFICATIONS FORM

Facility ID: fKJ1517634129 **Operator:** Occidental Permian LTD.

Facility: North Hobbs RCF **Flare Date:** 10/23/2025

Duration of Event: 15 Hours and 16 Minutes **MCF Flared:** 1277

Start Time: 12:44 AM **End Time:** 04:00 PM

Cause: Emergency Flare > A/B/F/G Train Shutdown > Compressor Malfunction > Severe Weather

Method of Flared Gas Measurement: Gas Flare Meter

1. Reason why this event was beyond Operator's control:

This emissions event was caused by the unforeseen, unexpected, sudden, and unavoidable breakdown of equipment or process that was beyond the owner/operator's control and did not stem from activity that could have been foreseen and avoided, and could not have been avoided by good design, operation, and preventative maintenance practices. Oxy engages in respectable and effective facility operation practices while maintaining a continuous preventative maintenance program for its equipment. In this instance, a thunderstorm came through the Hobbs facility and caused power issues that forced the fields reinjection valves to close. This in turn caused the hihi pressure alarm for the compressor to trigger and forced a shut down of the unit. This incident was unforeseen, unavoidable, and occurred without prior notice or warning. Oxy's facilities require consistent power to function; intermittent power outages can cause equipment such as pumps, valves, and compressors to cease functioning, potentially leading to overpressure in critical equipment, which poses risks of rupture or explosions. Although flaring is not OXY's preferred method for handling excess gas, it is necessary to ensure the safety of our operations, equipment, and field personnel. OXY made every effort to control and minimize emissions as much as possible during this event and ensured all its operational equipment was slowly brought back to normal operations and running efficiently once power was fully restored to the facility. The occurrence of this event was beyond OXY's control. OXY took all possible measures to manage and reduce emissions to the greatest extent.

2. Steps Taken to limit duration and magnitude of venting or flaring:

It is OXY's policy to route its stranded gas to a flare during an unforeseen and unavoidable emergency or malfunction, that is beyond Oxy's control to avoid, prevent or foresee, to minimize emissions as much as possible as part of the overall steps taken to limit duration and magnitude of flaring. The flare at this facility has 98% combustion efficiency to lessen emissions as much as possible. In this instance, a power outage occurred and caused the compressor to shut down due to high pressure. Intermittent flaring occurred while compressors were malfunctioning from the power outage. This incident was unforeseen, unavoidable, and occurred without prior notice or warning. Oxy's facilities require consistent power to function; intermittent power outages can cause equipment such as pumps, valves, and compressors to cease functioning, potentially leading to overpressure in critical equipment, which poses risks of rupture or explosions. Although flaring is not OXY's preferred method for handling excess gas, it is necessary to ensure the safety of our operations, equipment, and field personnel. OXY controlled and minimized emissions during this event, by manually choking back wells and ensuring operational equipment was gradually returned to normal operations and running efficiently once power was restored to the facility. This event occurred beyond OXY's control, and all possible measures were taken to manage and reduce emissions.

3. Corrective Actions taken to eliminate the cause and reoccurrence of venting or flaring:

The emissions event was caused by the unforeseen, unexpected, sudden, and unavoidable breakdown of equipment or process that was beyond the owner/operator's control and did not stem from activity that could have been foreseen and avoided, and could not have been avoided by good design, operation, and preventative maintenance practices. It is OXY's policy to route all stranded sales gas to a flare during an unforeseen and unavoidable emergency or malfunction, in order to minimize emissions as much as possible.

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

DEFINITIONS

Operator: OCCIDENTAL PERMIAN LTD P.O. Box 4294 Houston, TX 772104294	OGRID: 157984
	Action Number: 523440
	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 523440

QUESTIONS

Operator: OCCIDENTAL PERMIAN LTD P.O. Box 4294 Houston, TX 772104294	OGRID: 157984
	Action Number: 523440
	Action Type: [C-129] Amend Venting and/or Flaring (C-129A)

QUESTIONS

Prerequisites	
Any messages presented in this section, will prevent submission of this application. Please resolve these issues before continuing with the rest of the questions.	
Incident ID (n#)	*Unavailable.*
Incident Name	*Unavailable.*
Incident Type	**Flare**
Incident Status	*Unavailable.*
Incident Facility	**[fKJ1517634129] NORTH HOBBS RECOMPRESSION FACILITY & GAS PLANT**
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.	

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

Equipment Involved	
Primary Equipment Involved	Other (Specify)
Additional details for Equipment Involved. Please specify	Emergency Flare > A/B/F/G Train Shutdown > Compressor Malfunction > Severe Weather

Representative Compositional Analysis of Vented or Flared Natural Gas	
Please provide the mole percent for the percentage questions in this group.	
Methane (CH4) percentage	6
Nitrogen (N2) percentage, if greater than one percent	2
Hydrogen Sulfide (H2S) PPM, rounded up	5,720
Carbon Dioxide (C02) percentage, if greater than one percent	89
Oxygen (02) percentage, if greater than one percent	0
If you are venting and/or flaring because of Pipeline Specification, please provide the required specifications for each gas.	
Methane (CH4) percentage quality requirement	*Not answered.*
Nitrogen (N2) percentage quality requirement	*Not answered.*
Hydrogen Sufide (H2S) PPM quality requirement	*Not answered.*
Carbon Dioxide (C02) percentage quality requirement	*Not answered.*
Oxygen (02) percentage quality requirement	*Not answered.*

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QUESTIONS (continued)

Operator: OCCIDENTAL PERMIAN LTD P.O. Box 4294 Houston, TX 772104294	OGRID: 157984
	Action Number: 523440
	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	10/23/2025
Time vent or flare was discovered or commenced	12:44 AM
Time vent or flare was terminated	04:00 PM
Cumulative hours during this event	15

Measured or Estimated Volume of Vented or Flared Natural Gas	
Natural Gas Vented (Mcf) Details	*Not answered.*
Natural Gas Flared (Mcf) Details	Cause: Equipment Failure | Gas Compressor Station | Natural Gas Flared | Released: 137 Mcf | Recovered: 0 Mcf | Lost: 137 Mcf.
Other Released Details	Cause: Equipment Failure | Gas Compressor Station | Carbon Dioxide | Released: 1,140 Mcf | Recovered: 0 Mcf | Lost: 1,140 Mcf.
Additional details for Measured or Estimated Volume(s). Please specify	*Not answered.*
Is this a gas only submission (i.e. only significant Mcf values reported)	**Yes, according to supplied volumes this appears to be a "gas only" report.**

Venting or Flaring Resulting from Downstream Activity	
Was this vent or flare a result of downstream activity	No
Was notification of downstream activity received by this operator	*Not answered.*
Downstream OGRID that should have notified this operator	*Not answered.*
Date notified of downstream activity requiring this vent or flare	*Not answered.*
Time notified of downstream activity requiring this vent or flare	*Not answered.*

Steps and Actions to Prevent Waste	
For this event, this operator could not have reasonably anticipated the current event and it was beyond this operator's control	True
Please explain reason for why this event was beyond this operator's control	This emissions event was caused by the unforeseen, unexpected, sudden, and unavoidable breakdown of equipment or process that was beyond the owner/operator's control and did not stem from activity that could have been foreseen and avoided, and could not have been avoided by good design, operation, and preventative maintenance practices. Oxy engages in respectable and effective facility operation practices while maintaining a continuous preventative maintenance program for its equipment. In this instance, a thunderstorm came through the Hobbs facility and caused power issues that forced the fields reinjection valves to close. This in turn caused the hihi pressure alarm for the compressor to trigger and forced a shut down of the unit. This incident was unforeseen, unavoidable, and occurred without prior notice or warning. Oxy's facilities require consistent power to function; intermittent power outages can cause equipment such as pumps, valves, and compressors to cease functioning, potentially leading to overpressure in critical equipment, which poses risks of rupture or explosions. Although flaring is not OXY's preferred method for handling excess gas, it is necessary to ensure the safety of our operations, equipment, and field personnel. OXY made every effort to control and minimize emissions as much as possible during this event and ensured all its operational equipment was slowly brought back to normal operations and running efficiently once power was fully restored to the facility. The occurrence of this event was beyond OXY's control. OXY took all possible measures to manage and reduce emissions to the greatest extent.
	It is OXY's policy to route its stranded gas to a flare during an unforeseen and unavoidable

Steps taken to limit the duration and magnitude of vent or flare	emergency or malfunction, that is beyond Oxy's control to avoid, prevent or foresee, to minimize emissions as much as possible as part of the overall steps taken to limit duration and magnitude of flaring. The flare at this facility has 98% combustion efficiency to lessen emissions as much as possible. In this instance, a power outage occurred and caused the compressor to shut down due to high pressure. Intermittent flaring occurred while compressors were malfunctioning from the power outage. This incident was unforeseen, unavoidable, and occurred without prior notice or warning. Oxy's facilities require consistent power to function; intermittent power outages can cause equipment such as pumps, valves, and compressors to cease functioning, potentially leading to overpressure in critical equipment, which poses risks of rupture or explosions. Although flaring is not OXY's preferred method for handling excess gas, it is necessary to ensure the safety of our operations, equipment, and field personnel. OXY controlled and minimized emissions during this event, by manually choking back wells and ensuring operational equipment was gradually returned to normal operations and running efficiently once power was restored to the facility. This event occurred beyond OXY's control, and all possible measures were taken to manage and reduce emissions.
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	The emissions event was caused by the unforeseen, unexpected, sudden, and unavoidable breakdown of equipment or process that was beyond the owner/operator's control and did not stem from activity that could have been foreseen and avoided, and could not have been avoided by good design, operation, and preventative maintenance practices. It is OXY's policy to route all stranded sales gas to a flare during an unforeseen and unavoidable emergency or malfunction, in order to minimize emissions as much as possible.

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ACKNOWLEDGMENTS

Operator: OCCIDENTAL PERMIAN LTD P.O. Box 4294 Houston, TX 772104294	OGRID: 157984
	Action Number: 523440
	Action Type: [C-129] Amend Venting and/or Flaring (C-129A)

ACKNOWLEDGMENTS

☑	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.
☑	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.
☑	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.
☑	I acknowledge that the acceptance of any C-129 forms by the OCD does not relieve this operator of liability should their operations have failed to adequately investigate, report, and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment.
☑	I acknowledge that OCD acceptance of any C-129 forms does not relieve this operator of responsibility for compliance with any other applicable federal, state, or local laws and/or regulations.

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CONDITIONS

Operator: OCCIDENTAL PERMIAN LTD P.O. Box 4294 Houston, TX 772104294	OGRID: 157984
	Action Number: 523440
	Action Type: [C-129] Amend Venting and/or Flaring (C-129A)

CONDITIONS

Created By	Condition	Condition Date
srojas	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.	11/7/2025