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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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Sample	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	

Received by OCD: 3/13/2025 11:24:28 AM
Liquid Occidental Permian Ltd. Propane Liquid 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	

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

3PA 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	ТҮРЕ	MOL%	GRAINS/100	PPMV	LB/MMSCF
GPA2377	hydrogen sulfide	1.5897	1,009.43	16,049.9	757.0

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

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

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

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

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

5PA 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

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

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

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

SPA 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

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

SPA 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

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

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

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

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

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

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

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

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

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	

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

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	

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

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

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

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	

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)		Reid VP Equivalent, psi
30.418	29.254	62.007	0.592	63.0	59.8

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)		Reid VP Equivalent, psi
36.456	35.826	43.967	0.505	184.1	175.9

Analysis Methods And Description

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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		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

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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: North Hobbs RCF Flare Date: 1/23/2025

Duration of event: 29 Minutes **MCF Flared**: 291

Start Time: 12:00 AM End Time: 12:29 AM

Cause: Emergency Flare > G Train Shut Down > Compressor Malfunction > High Discharge Pressure

Method of Flared Gas Measurement: Gas Flare Meter

Comments: This upset event was not caused by any wells associated with the facility

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 good facility operation practices while also maintaining its continuous facility equipment preventative maintenance program. In this case, G Train compressor shut down on high discharge, causing the plant to pressure up. This in turn caused the flare valve to open to help relieve pressure going into the plant. Notwithstanding proper gas compressor design and operation, various forms of mechanical or technical issues can be sudden, reasonably unforeseeable and unexpected which can cause compressor unit malfunctions to occur without warning or advance notice. Compressor engines are designed to operate in a precise manner and when malfunctions occur, it disrupts the gas compressor's operating manner and cuts off engine power, which in turn, prompts an automatic shutdown of the unit. Compression malfunctions occur without warning and therefore, Oxy is unable to predict, avoid or prevent this type of equipment malfunction from occurring. This malfunctioning event is out of OXY's control. OXY made every effort to control and minimize emissions as much as possible. All other compression at the facility was operating as designed and were running normally prior to the malfunctions occurring. The duration and volume of this event is a collective of all intermittent flaring instances within a 24-period.

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

This facility is unmanned, except when Oxy production techs are gathering data daily or conducting daily walk-throughs to ensure that there are no problems, circumstances and/or assist other personnel on-site for maintenance purposes. It is OXY's policy to route its stranded gas to a flare during an unforeseen and unavoidable emergency or malfunction, as the part of the overall process or steps to take to limit duration and magnitude of flaring. Oxy personnel are in the field 24/7 and can physically see when we are flaring which in turn are communicated to additional Oxy field personnel. Internal OXY procedures ensure that upon notice of flaring, malfunction gas compressor unit and/or multiple unit shutdown alarms, increased sensor line pressure alarms, etc., field production technician personnel are promptly notified, and are instructed to assess the issue as soon as possible to take prompt corrective action and minimize emissions. Oxy production technicians must assess whether the issue or circumstance is due to damage and repair is

needed, or whether there are other reasons for its cause. In this case, the compressor shut down due to high discharge pressure causing plant to over pressurize. The field was then instructed to cut back on gas, which allowed the unit to be brought back online as needed depending on gas rates. OXY made every effort to control and minimize emissions as much as possible during this event.

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

Oxy is limited in the corrective actions to eliminate this type of cause and potential reoccurrence of flaring as notwithstanding proper gas compressor design and operation, various forms of mechanical or technical issues can be sudden, reasonably unforeseeable and unexpected which can cause compressor unit malfunctions to occur without warning or advance notice. Oxy continually strives to maintain and operate all its facility locations equipment in a manner consistent with good practices for minimizing emissions and reducing the number of emission events. Oxy has a strong and positive compression equipment preventative maintenance program in place. The only actions that Oxy can take and handle that is within its control, is to continue with its compression equipment preventative maintenance program for all its facilities and continually work with its compression rental owners to resolve those issues in a timely manner, should they continue to occur suddenly and without warning.

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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 442212

DEFINITIONS

Operator:	OGRID:
OCCIDENTAL PERMIAN LTD	157984
P.O. Box 4294	Action Number:
Houston, TX 772104294	442212
	Action Type:
	[C-129] Venting and/or Flaring (C-129)

DEFINITIONS

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

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

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QUESTIONS

Action 442212

	QUESTIONS		
Operator:	2020110110	OGRID:	
OCCIDENTAL PERMIAN LTD		157984	
P.O. Box 4294 Houston, TX 772104294		Action Number: 442212	
		Action Type: [C-129] Venting and/or Flaring (C-129)	
QUESTIONS			
Prerequisites			
Any messages presented in this section, will prevent submission of this application. Please resolve	e these issues before continuing	with the rest of the questions.	
Incident Well	Unavailable.		
Incident Facility	[fKJ1517634129] NORTH	HOBBS RECOMPRESSION FACILITY & GAS PLANT	
Determination of Reporting Requirements			
Answer all questions that apply. The Reason(s) statements are calculated based on your answers		ice.	
Was this vent or flare caused by an emergency or malfunction Did this vent or flare last eight hours or more cumulatively within any 24-hour	Yes		
period from a single event	No		
Is this considered a submission for a vent or flare event	Yes, minor venting and/	or flaring of natural gas.	
An operator shall file a form C-141 instead of a form C-129 for a release that, includes liquid during	venting and/or flaring that is or n	nay 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 > G Tr Pressure	ain Shut Down > Compressor Malfunction > High Discharge	
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		
	l .		
If you are venting and/or flaring because of Pipeline Specification, please provide the required specification.			
Methane (CH4) percentage quality requirement	Not answered.		
Nitrogen (N2) percentage quality requirement	Not answered.		
Hydrogen Sufide (H2S) PPM quality requirement	Not answered.		

Not answered.

Not answered.

Carbon Dioxide (C02) percentage quality requirement

Oxygen (02) percentage quality requirement

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QUESTIONS, Page 2

Action 442212

QUESTIONS (continued)

Operator:	OGRID:
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P.O. Box 4294	Action Number:
Houston, TX 772104294	442212
	Action Type:
	[C-129] Venting and/or Flaring (C-129)

QUESTIONS

Date(s) and Time(s)		
Date vent or flare was discovered or commenced	01/23/2025	
Time vent or flare was discovered or commenced	12:00 AM	
Time vent or flare was terminated	12:29 AM	
Cumulative hours during this event	0	

easured or Estimated Volume of Vented or Flared Natural Gas		
Natural Gas Vented (Mcf) Details	Not answered.	
Natural Gas Flared (Mcf) Details	Cause: Equipment Failure Other (Specify) Natural Gas Flared Released: 132 Mcf Recovered: 0 Mcf Lost: 132 Mcf.	
Other Released Details	Cause: Equipment Failure Other (Specify) Carbon Dioxide Released: 159 Mcf Recovered: 0 Mcf Lost: 159 Mcf.	
Additional details for Measured or Estimated Volume(s). Please specify	97 MCF Assist Gas	
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 good facility operation practices while also maintaining its continuous facility equipment preventative maintenance program. In this case, G Train compressor shut down on high discharge, causing the plant to pressure up. This in turn caused the flare valve to open to help relieve pressure going into the plant. Notwithstanding proper gas compressor design and operation, various forms of mechanical or technical issues can be sudden, reasonably unforeseeable and unexpected which can cause compressor unit malfunctions to occur without warning or advance notice. Compressor engines are designed to operate in a precise manner and when malfunctions occur, it disrupts the gas compressor's operating manner and cuts off engine power, which in turn, prompts an automatic shutdown of the unit. Compression malfunctions occur without warning and therefore, Oxy is unable to predict, avoid or prevent this type of equipment malfunction from occurring. This malfunctioning event is out of OXY's control. OXY made every effort to control and minimize emissions as much as possible. All other compression at the facility was operating as designed and were running normally prior to the malfunctions occurring. The duration and volume of this event is a collective of all intermittent flaring instances within a 24-period.	
	This facility is unmanned, except when Oxy production techs are gathering data daily or	

Steps taken to limit the duration and magnitude of vent or flare	conducting daily walk-throughs to ensure that there are no problems, circumstances and/or assist other personnel on-site for maintenance purposes. It is OXY's policy to route its stranded gas to a flare during an unforeseen and unavoidable emergency or malfunction, as the part of the overall process or steps to take to limit duration and magnitude of flaring. Oxy personnel are in the field 24/7 and can physically see when we are flaring which in turn are communicated to additional Oxy field personnel. Internal OXY procedures ensure that upon notice of flaring, malfunction gas compressor unit and/or multiple unit shutdown alarms, increased sensor line pressure alarms, etc., field production technician personnel are promptly notified, and are instructed to assess the issue as soon as possible to take prompt corrective action and minimize emissions. Oxy production technicians must assess whether the issue or circumstance is due to damage and repair is needed, or whether there are other reasons for its cause. In this case, the compressor shut down due to high discharge pressure causing plant to over pressurize. The field was then instructed to cut back on gas, which allowed the unit to be brought back online as needed depending on gas rates. OXY made every effort to control and minimize emissions as much as possible during this event.
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	Oxy is limited in the corrective actions to eliminate this type of cause and potential reoccurrence of flaring as notwithstanding proper gas compressor design and operation, various forms of mechanical or technical issues can be sudden, reasonably unforeseeable and unexpected which can cause compressor unit malfunctions to occur without warning or advance notice. Oxy continually strives to maintain and operate all its facility locations equipment in a manner consistent with good practices for minimizing emissions and reducing the number of emission events. Oxy has a strong and positive compression equipment preventative maintenance program in place. The only actions that Oxy can take and handle that is within its control, is to continue with its compression equipment preventative maintenance program for all its facilities and continually work with its compression rental owners to resolve those issues in a timely manner, should they continue to occur suddenly and without warning.

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ACKNOWLEDGMENTS

Action 442212

ACKNOWLEDGMENTS

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	Action Type:
	[C-129] Venting and/or Flaring (C-129)

ACKNOWLEDGMENTS

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

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CONDITIONS

Action 442212

CONDITIONS

Operator:	OGRID:
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P.O. Box 4294	Action Number:
Houston, TX 772104294	442212
	Action Type:
	[C-129] Venting and/or Flaring (C-129)

CONDITIONS

Created By		Condition Date
srojas	If the information provided in this report requires an amendment, submit a [C-129] Amend Venting and/or Flaring Incident (C-129A), utilizing your incident number from this event.	3/13/2025