

**MITCHELL ANALYTICAL LABORATORY**

2638 Faudree  
Odessa, Texas 79765-8538  
(432) 561-5579

**Gas Analysis**

Company:	Chem Tech (254)	Sample Pressure:	61.3
Producer:	Ridgeway Arizona Oil Corp	Sample Temp:	
Lease:	Haley CTB Gas Sales Line	Date Sampled:	3/30/2020
Station #:	n.a.	Sampled by:	BN
Date Run:	3/31/2020	Field Gravity:	
Lab Ref #:	20-MAR-99507	Field H2S:	2.8000
Cylinder:			
Analyzed by:	Blake		

*Physical Constants per GPA 2145-09  
All values calculated @ 60.0 Deg. F.*

	<b>Mole %</b>	<b>14.65 psia GPM (Ideal)</b>	<b>14.73 psia GPM (Ideal)</b>	<b>14.65 psia BTU (Ideal Dry)</b>
Nitrogen	6.2235			0.000
CO2	17.4078			0.000
H2S	2.8000			17.800
Methane	47.2419			477.100
Ethane	10.5115	2.795	2.813	186.000
Propane	8.3069	2.276	2.290	209.000
Iso-Butane	1.2557	0.409	0.411	40.800
N-Butane	2.7874	0.874	0.879	90.900
Iso-Pentane	0.8076	0.294	0.296	32.300
N-Pentane	0.6642	0.239	0.241	26.600
Hexanes +	1.9935	0.879	0.885	105.200
<b>TOTALS</b>	<b>100.0000</b>	<b>7.765</b>	<b>7.814</b>	<b>1182.000</b>

## GROSS HEATING VALUE @ 14.65 psia

Dry	Wet
1189	1169 BTU/Real Cu.Ft.
1.0443	1.0378 Specific Gravity (Real)
	1162 BTU/Ideal Cu.Ft.
1.0388	Specific Gravity (Ideal)
Z Factor :	0.9943

## GASOLINE CONTENT (GPM/Real)

Ethane and Heavier	7.8097
Propane and Heavie	4.9985
Butane and Heavier	2.7099
Pentane and Heavie	1.4202

*Notes: Adjustment made for Field H2S*

### C-129 Submission for Venting Event

**Operator ID:** 164557

**Operator Name:** Ridgeway Arizona Oil Corp.

**Facility Name:** Haley Water Facility

**Facility ID:** fCH1903857157

**Date of Venting:** 7/27/2022 at approximately 16:00 to 7/27/2022 at approximately 13:00

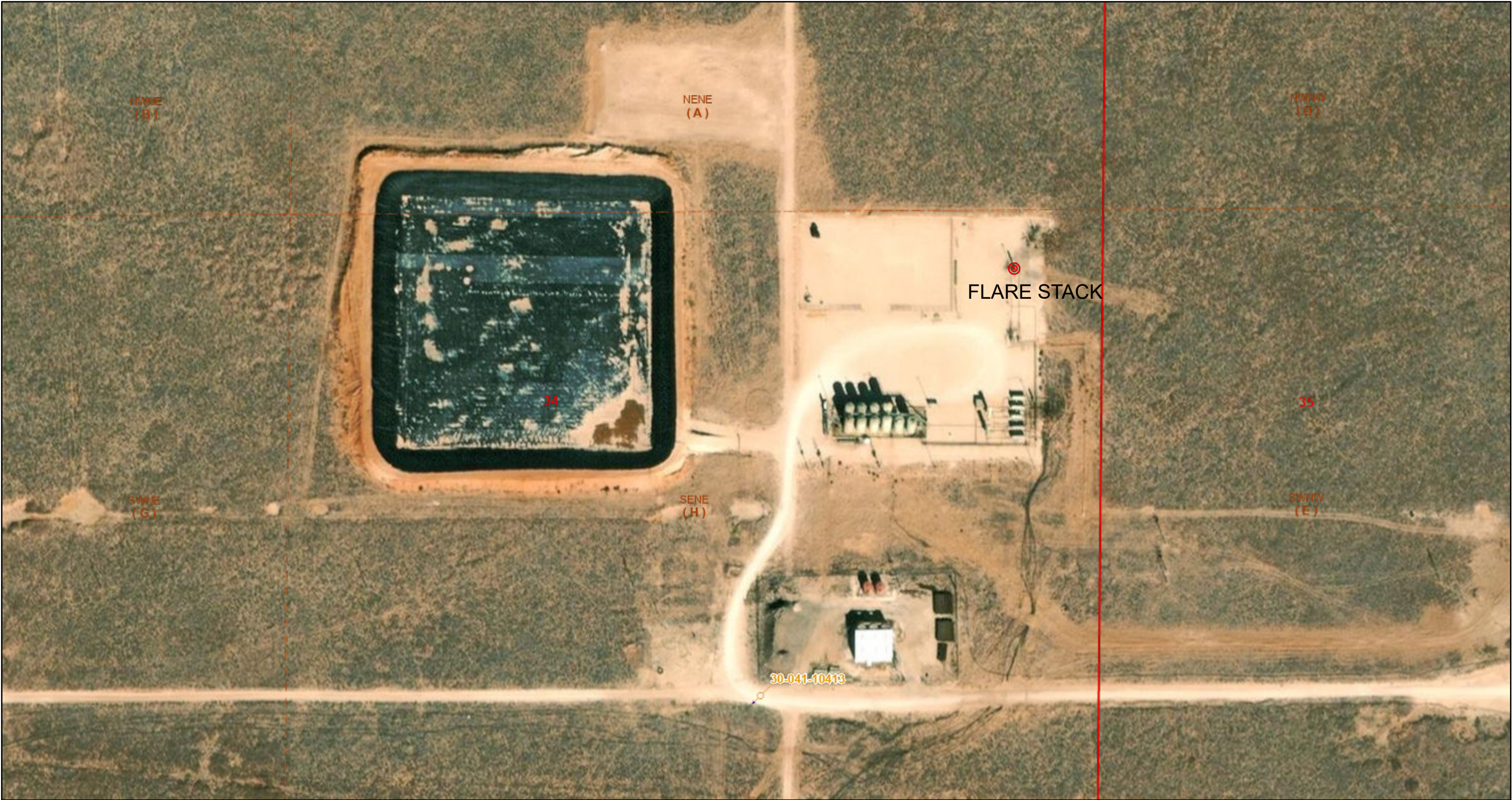
**Estimated Release:** 290 MCF

Calculated based on daily production rate of 330 MCF/D

Flares have been inspected and are scheduled for repair of auto-ignition system to prevent further events.



# Haley Water Facility Flare Location



8/26/2022, 12:16:57 PM

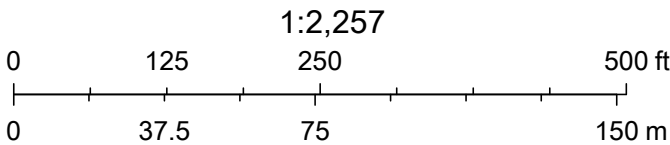
⊙ Override 1

Wells - Large Scale

⚡ Injection, Temporarily Abandoned

⌈⌋ PLSS Second Division

⌈⌋ PLSS First Division



Maxar, Microsoft, Esri, HERE, Garmin, GeoTechnologies, Inc., Oil Conservation Division of the New Mexico Energy, Minerals and Natural Resources Department., BLM



**District I**  
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**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
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DEFINITIONS

Action 138487

DEFINITIONS

Operator: RIDGEWAY ARIZONA OIL CORP. 575 N. Dairy Ashford Houston, TX 77079	OGRID: 164557
	Action Number: 138487
	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: <ul style="list-style-type: none"><li>• this application's operator, hereinafter "this operator";</li><li>• venting and/or flaring, hereinafter "vent or flare";</li><li>• any notification or report(s) of the C-129 form family, hereinafter "any C-129 forms";</li><li>• the statements in (and/or attached to) this, hereinafter "the statements in this";</li><li>• and the past tense will be used in lieu of mixed past/present tense questions and statements.</li></ul>
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QUESTIONS

Action 138487

**QUESTIONS**

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**QUESTIONS**

<b>Prerequisites</b>	
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 Well	Not answered.
Incident Facility	[FCH1903857157] HALEY WATER STATION

<b>Determination of Reporting Requirements</b>	
Answer all questions that apply. The Reason(s) statements are calculated based on your answers and may provide additional 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, 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 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 <b>ANY</b> liquids (not fully and/or completely flared) that reached (or has a chance of reaching) the ground, a surface, a watercourse, or otherwise, with reasonable probability, endanger public health, the environment or fresh water	No
Was the vent or flare within an incorporated municipal boundary or within 300 feet from an occupied permanent residence, school, hospital, institution or church in existence	No

<b>Equipment Involved</b>	
Primary Equipment Involved	Other (Specify)
Additional details for Equipment Involved. Please specify	Auto ignitor at flare stack

<b>Representative Compositional Analysis of Vented or Flared Natural Gas</b>	
Please provide the mole percent for the percentage questions in this group.	
Methane (CH4) percentage	47
Nitrogen (N2) percentage, if greater than one percent	6
Hydrogen Sulfide (H2S) PPM, rounded up	3
Carbon Dioxide (CO2) percentage, if greater than one percent	17
Oxygen (O2) 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 Sulfide (H2S) PPM quality requirement	Not answered.
Carbon Dioxide (CO2) percentage quality requirement	Not answered.
Oxygen (O2) percentage quality requirement	Not answered.

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QUESTIONS, Page 2

Action 138487

QUESTIONS (continued)

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QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	07/27/2022
Time vent or flare was discovered or commenced	12:30 PM
Time vent or flare was terminated	01:00 PM
Cumulative hours during this event	21

Measured or Estimated Volume of Vented or Flared Natural Gas	
Natural Gas Vented (Mcf) Details	Cause: Other   Other (Specify)   Natural Gas Vented   Released: 290 Mcf   Recovered: 0 Mcf   Lost: 290 Mcf ]
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Additional details for Measured or Estimated Volume(s). Please specify	Release duration approximately 21 hours. At 330 MCF/Day production estimated volume of release is 290 MCF.
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	Auto ignitor failure not anticipated.
Steps taken to limit the duration and magnitude of vent or flare	Gas was routed off the flare and the flare was relit. Service check scheduled for auto ignitor to ensure proper function.
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	Service for auto ignitor scheduled and repair to be made.

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ACKNOWLEDGMENTS

Action 138487

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**ACKNOWLEDGMENTS**

<input checked="" type="checkbox"/>	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 <b>complete</b> C-129 submission per 19.15.27.8 and 19.15.28.8 NMAC.
<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	I acknowledge that the acceptance of any C-129 forms by the OCD does not relieve this operator of liability should their operations have failed to adequately investigate, report, and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment.
<input checked="" type="checkbox"/>	I acknowledge that OCD acceptance of any C-129 forms does not relieve this operator of responsibility for compliance with any other applicable federal, state, or local laws and/or regulations.

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CONDITIONS

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**CONDITIONS**

Created By	Condition	Condition Date
williamboyd	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.	8/26/2022