



State of Mississippi



FEDERALLY ENFORCEABLE AIR POLLUTION CONTROL PERMIT

Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

THIS CERTIFIES

Venture Oil and Gas Inc, Kelley 21 4 Number 1
Highway 45
Waynesboro, MS
Wayne County

has been granted permission to operate air emissions equipment in accordance with emission limitations, monitoring requirements and conditions set forth herein. This permit is issued in accordance with the Federal Clean Air Act and the provisions of the Mississippi Air and Water Pollution Control Law (Section 49-17-1 et. set., Mississippi Code of 1972), the regulations and standards adopted and promulgated thereunder, and the State Implementation Plan for operating permits for synthetic minor sources.

Mississippi Environmental Quality Permit Board

Mississippi Department of Environmental Quality

Issued/Modified: SEP 26 2011

Expires: AUG 31 2016

Permit No. 2840-00062

Agency Interest # 35333

Table of Contents

Subject Item Inventory.....i

Facility Requirements.....1

General Information.....A-1

Other Relevant Documents:

Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

Venture Oil and Gas Inc, Kelley 21 4 Number 1

Subject Item Inventory

Permit Number:2840-00062

Activity ID No.: PER20100002

Subject Item Inventory:

ID	Designation	Description
AI35333	35333	Oil & Gas Production
EQPT11	AA-001	1.0 MMBTU/hr Propane Line Heater (H-1)
EQPT12	AA-002	0.5 MMBTU/hr Propane Heater Treater (H-2)
CONT1	AA-003	Flare (F-1)
EQPT13	AA-004	16,911 Gallon Crude Oil Storage Tank (T-1) with emissions routed to the vapor recovery unit and the flare (AA-003)
EQPT14	AA-005	16,911 Gallon Crude Oil Storage Tank (T-2) with emissions routed to the vapor recovery unit and the flare (AA-003)
EQPT15	AA-006	16,911 Gallon Crude Oil Storage Tank (T-3) with emissions routed to the vapor recovery unit and the flare (AA-003)
EQPT16	AA-007	16,911 Gallon Crude Oil Storage Tank (T-4) with emissions routed to the vapor recovery unit and the flare (AA-003)
EQPT17	AA-008	21,000 Gallon Crude Oil Storage Tank (T-5) with emissions routed to the vapor recovery unit and the flare (AA-003)
EQPT18	AA-009	16,911 Gallon Produced Water Storage Tank (T-6) with emissions routed to the flare (AA-003)
EQPT19	AA-010	3,000 Gallon Methanol Storage Tank (T-7)
EQPT20	AA-011	210 Gallon Crystal Modifier Storage Tank (T-8)
EQPT21	AA-012	210 Gallon Defoamer Storage Tank (T-9)
EQPT22	AA-013	210 Gallon Corrosion Inhibitor Storage Tank (T-10)
AREA4	AA-014	Truck Loading (L-1) with emissions routed to the vapor recovery unit and the flare (AA-003)
AREA5	AA-015	Fugitive Emissions including equipment leaks and flashing emissions (P-1)

Subject Item Groups:

ID	Description	Components
GRPT2	Storage Tanks	EQPT13 16,911 Gallon Crude Oil Storage Tank (T-1) with emissions routed to the vapor recovery unit and the flare (AA-003)
		EQPT14 16,911 Gallon Crude Oil Storage Tank (T-2) with emissions routed to the vapor recovery unit and the flare (AA-003)
		EQPT15 16,911 Gallon Crude Oil Storage Tank (T-3) with emissions routed to the vapor recovery unit and the flare (AA-003)
		EQPT16 16,911 Gallon Crude Oil Storage Tank (T-4) with emissions routed to the vapor recovery unit and the flare (AA-003)

*** Official MDEQ Permit - Version 1.1 ***

Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

Venture Oil and Gas Inc, Kelley 21 4 Number 1

Subject Item Inventory

Permit Number:2840-00062

Activity ID No.: PER20100002

ID	Description	Components
GRPT2	Storage Tanks	EQPT16 16,911 Gallon Crude Oil Storage Tank (T-4) with emissions routed to the vapor recovery unit and the flare (AA-003)
		EQPT17 21,000 Gallon Crude Oil Storage Tank (T-5) with emissions routed to the vapor recovery unit and the flare (AA-003)
		EQPT18 16,911 Gallon Produced Water Storage Tank (T-6) with emissions routed to the flare (AA-003)

KEY

ACT = Activity

AREA = Area

CONT = Control Device

IA = Insignificant Activity

RPNT = Release Point

AI = Agency Interest

CAFO = Concentrated Animal Feeding Operation

EQPT = Equipment

MAFO = Animal Feeding Operation

TRMT = Treatment

*** Official MDEQ Permit - Version 1.1 ***

Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

Venture Oil and Gas Inc, Kelley 21 4 Number 1

Facility Requirements

Permit Number:2840-00062

Activity ID No.: PER20100002

Page 1 of 17

AI0000035333 (35333) Oil & Gas Production:

Limitation Requirements:

Condition No.	Parameter	Condition
L-1	Sulfur Dioxide	Sulfur Dioxide: The permittee shall limit the sulfur dioxide emissions to no more than 99.9 tons per year for each consecutive 12-month period. [APC-S-2 II.B(10)]
L-2	VOC	VOC: The permittee shall limit volatile organic compounds (VOC) emissions to no more than 99.9 tons per year as determined for each consecutive 12-month period. [APC-S-2 II.B(10)]
L-3	HAP, Total (Limit)	HAP, Total (Limit): The permittee shall limit hazardous air pollutants (HAP) emissions to no more than 9.9 tons/year (TPY) of any single HAP and no more than 24.9 TPY of total combined HAP's as determined for each consecutive 12-month period. [APC-S-2 II.B(10)]

Monitoring Requirements:

Condition No.	Parameter	Condition
M-1		The permittee shall monitor and record the gallons of oil produced and cubic feet of natural gas produced on a monthly basis. [APC-S-2 II.B(11)]

Record-Keeping Requirements:

Condition No.	Condition
R-1	The permittee shall determine compliance with the sulfur dioxide, VOC, and HAP emission limitations through material balance calculations utilizing gas flow measurements, gas analysis, AP-42 emission factors, and other relevant information to determine emissions. The permittee shall calculate and record the sulfur dioxide, VOC, and HAP emissions in tons per month on a rolling 12 month period. The permittee shall record the tons per year on a consecutive 12 month period. The permittee shall maintain a copy of these records on site for at least five years and shall make them available upon request by MDEQ personnel. [APC-S-2 II.B(11)]

Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

Venture Oil and Gas Inc, Kelley 21 4 Number 1

Facility Requirements

Permit Number:2840-00062

Activity ID No.: PER20100002

Page 2 of 17

AI0000035333 (continued):

Submittal/Action Requirements:

Condition No.	Condition
S-1	<p>For the entire facility, the permittee shall submit a report due annually by the 31st of January for the preceding calendar year. This report shall provide the following:</p> <p>(a) the quantity of sulfur dioxide in tons/year based on a consecutive 12-month period.</p> <p>(b) the quantity of VOC in tons/year based on a consecutive 12-month period.</p> <p>(c) the quantity of individual HAPs in tons/year based on a consecutive 12-month period.</p> <p>(d) the quantity of total HAPs in tons/year based on a consecutive 12-month period. [APC-S-2 II.B(11)]</p>
S-2	<p>Except as otherwise specified herein, the permittee shall report all deviations from permit requirements, including those attributable to upsets, the probable cause of such deviations, and any corrective actions or preventive measures taken. Said report shall be made within five (5) working days of the time the deviation began. [APC-S-2 II.B(11)]</p>
S-3	<p>General Condition: Except as otherwise specified herein, the permittee shall report all deviations from permit requirements, including those attributable to upsets, the probable cause of such deviations, and any corrective actions or preventive measures taken. Said report shall be made within five (5) working days of the time the deviation began. [APC-S-2 II.B(10)]</p>
S-4	<p>Except as otherwise specified herein, the permittee shall Submit a certified annual synthetic minor monitoring report: Due annually, by the 31st of January for preceding calendar year. This report shall address any required monitoring specified in the permit. [APC-S-2 II.B(11)]</p>

Narrative Requirements:

Condition No.	Condition
T-1	<p>General Condition: Any activities not identified in the application are not authorized by this permit. [Miss. Code Ann. 49-17-29 1.b]</p>

Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

Venture Oil and Gas Inc, Kelley 21 4 Number 1

Facility Requirements

Permit Number:2840-00062

Activity ID No.: PER20100002

Page 3 of 17

AI0000035333 (continued):

Narrative Requirements:

Condition No.	Condition
T-2	General Condition: The permittee shall at all times maintain in good working order and operate as efficiently as possible all air pollution control facilities or systems installed or used by the permittee to achieve compliance with the terms and conditions of this permit. [APC-S-2 V.A]
T-3	General Condition: Solids removed in the course of control of air emissions shall be disposed of in a manner such as to prevent the solids from becoming windborne and to prevent the materials from entering state waters without the proper environmental permits. [Miss. Code Ann. 49-17-29 1.a(i and ii)]
T-4	General Condition: Any diversion from or bypass of collection and control facilities is prohibited except as provided for in Regulation APC-S-1, "Air Emission Regulations for the Prevention, Abatement, and Control of Air Contaminants", Section 10. [APC-S-1 Section 10]
T-5	General Condition: Should the Executive Director of the Mississippi Department of Environmental Quality declare an Air Pollution Emergency Episode, the permittee will be required to operate in accordance with the permittee's previously approved Emissions Reduction Schedule. [APC-S-2 X]
T-6	General Condition: The permittee shall allow the Mississippi Department of Environmental Quality Office of Pollution Control and the Mississippi Environmental Quality Permit Board and/or their authorized representatives, upon the presentation of credentials: (a) To enter upon the permittee's premises where an air emission source is located or in which any records are required to be kept under the terms and conditions of this permit, and (b) At reasonable times to have access to and copy any records required to be kept under the terms and conditions of this permit; to inspect any monitoring equipment or monitoring method required in this permit; and to sample any air emission. [Miss. Code Ann. 49-17-21]
T-7	General Condition: After notice and opportunity for a hearing, this permit may be modified, suspended, or revoked in whole or in part during its term for cause including, but not limited to: (a) Violation of any terms or conditions of this permit (b) Obtaining this permit by misrepresentation or failure to disclose fully all relevant facts; or (c) A change in any condition that required either a temporary or permanent reduction or elimination of authorized air emissions. [APC-S-2 II.C]
T-8	General Condition: This permit and/or any part thereof may be modified, revoked, reopened, and reissued, or terminated for cause. Sufficient cause for this permit to be reopened shall exist when an air emissions stationary source becomes subject to Title V. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any condition of the permit. [APC-S-2 II.B(15)b]

Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

Venture Oil and Gas Inc, Kelley 21 4 Number 1

Facility Requirements

Permit Number:2840-00062

Activity ID No.: PER20100002

Page 4 of 17

AI0000035333 (continued):

Narrative Requirements:

Condition No.	Condition
T-9	General Condition: Except for data determined to be confidential under the Mississippi Air & Water Pollution Control Law, all reports prepared in accordance with the terms of this permit shall be available for public inspection at the offices of the Mississippi Department of Environmental Quality Office of Pollution Control. [Miss. Code Ann. 49-17-39]
T-10	General Condition: The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State, or local laws or regulations. [APC-S-2 II.B(15)c]
T-11	General Condition: Nothing herein contained shall be construed as releasing the permittee from any liability for damage to persons or property by reason of the installation, maintenance, or operation of the air cleaning facility, or from compliance with the applicable statutes of the State, or with local laws, regulations, or ordinances. [APC-S-2 II.B(7)]
T-12	General Condition: This permit may only be transferred upon approval of the Mississippi Environmental Quality Permit Board. [APC-S-2 XVI.B]
T-13	General Condition: This permit is for air pollution control purposes only. [APC-S-2 I.D(1)]
T-14	General Condition: This permit is a Federally-approved permit to operate a synthetic minor source as described in Regulation APC-S-2, Section IV.D. [APC-S-2 IV.D]
T-15	General Condition: The provisions of this permit are severable. If any provision of this permit, or the application of any provision of this permit to any circumstances, is challenged or held invalid, the validity of the remaining permit provisions and/or portions thereof or their application to other persons or sets of circumstances, shall not be affected thereby. [APC-S-2 I.D(7)]
T-16	General Condition: The permittee shall furnish to MDEQ within a reasonable time any information MDEQ may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to MDEQ copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee shall furnish such records to MDEQ along with a claim of confidentiality. [APC-S-2 II.B(15)d]

Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

Venture Oil and Gas Inc, Kelley 21 4 Number 1

Facility Requirements

Permit Number:2840-00062

Activity ID No.: PER20100002

Page 5 of 17

AI0000035333 (continued):

Narrative Requirements:

Condition No.	Condition
T-17	<p>General Condition: This permit does not authorize a modification as defined in APC-S-2, "Permit Regulations for the Construction and/or Operation of Air Emissions Equipment". Modification is defined as "Any physical change in or change in the method of operation of a facility which increases actual emissions or potential uncontrolled emissions of any air pollutant subject to regulation under the Federal Act emitted into the atmosphere by that facility or which results in the emission of any air pollutant subject to regulation under the Federal Act into the atmosphere not previously emitted. A physical change or change in the method of operation shall not include:</p> <ul style="list-style-type: none">(a) routine maintenance, repair, and replacement;(b) use of an alternative fuel or raw material by reason of an order under Sections 2(a) and (b) of the Federal Energy Supply and Environmental Coordination Act of 1974 (or any superseding legislation) or by reason of a natural gas curtailment plan pursuant to the Federal Power Act;(c) use of an alternative fuel by reason of an order or rule under Section 125 of the Federal Act;(d) use of an alternative fuel or raw material by a stationary source which: (i) the source was capable of accommodating before January 6, 1975, unless such change would be prohibited under any federally enforceable permit condition which was established after January 6, 1975, pursuant to 40 CFR 52.21 or under regulations approved pursuant to 40 CFR 51.166; or (ii) the source is approved to use under any permit issued under 40 CFR 52.51 or under regulations approved pursuant to 40 CFR 51.166;(e) an increase in the hours of operation or in the production rate unless such change would be prohibited under any federally enforceable permit condition which was established after January 6, 1975, pursuant to 40 CFR 52.51, or under regulations approved pursuant to Subpart I or 40 CFR 51.166; or(f) any change in ownership of the stationary source" [APC-S-2 I.D(2)]
T-18	<p>General Condition: It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit unless halting or reducing activity would create an imminent and substantial endangerment threatening the public health and safety of the lives and property of the people of this state. [APC-S-2 II.B(15)a]</p>
T-19	<p>General Condition: The permittee shall retain all required records, monitoring data, supported information and reports for a period of at least five (5) years from the date of the monitoring sample, measurement, report, or application. Support information includes all calibration and maintenance records, all original strip-chart recordings or other data for continuous monitoring instrumentation, and copies of all reports required by this permit. Copies of such records shall be submitted to MDEQ as required by Applicable Rules and Regulations or this permit upon request. [APC-S-2 IX]</p>
T-20	<p>General Condition: The knowing submittal of a permit application with false information may serve as the basis for the Permit Board to void the permit issued pursuant thereto or subject the applicant to penalties for constructing or operating without a valid permit. [APC-S-2 II.B(5)]</p>

Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

Venture Oil and Gas Inc, Kelley 21 4 Number 1

Facility Requirements

Permit Number:2840-00062

Activity ID No.: PER20100002

Page 6 of 17

AI0000035333 (continued):

Narrative Requirements:

Condition No.	Condition
T-21	<p>General Condition: Emergencies</p> <p>(a) Except as otherwise specified herein, an emergency means any situation arising from sudden and reasonably unforeseeable events beyond the control of the source, including acts of God, which situation requires immediate corrective action to restore normal operation, and that causes the source to exceed a technology-based emission limitation under the permit, due to unavoidable increases in emissions attributable to the emergency. An emergency shall not include noncompliance to the extent caused by improperly designed equipment, lack of preventative maintenance, careless or improper operation, or operator error.</p> <p>(b) An emergency constitutes an affirmative defense to an action brought for noncompliance with such technology-based emission limitations if the conditions specified in (c) following are met.</p> <p>(c) The affirmative defense of emergency shall be demonstrated through properly signed contemporaneous operating logs, or other relevant evidence as follows: (i) an emergency occurred and that the permittee can identify the cause(s) of the emergency; (ii) the permitted facility was at the time being properly operated; (iii) during the period of the emergency the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the permit; and (iv) the permittee submitted notice of the emergency to MDEQ within two (2) working days of the time when emission limitations were exceeded due to the emergency which contained a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.</p> <p>(d) In any enforcement proceeding, the permittee seeking to establish the occurrence of any emergency has the burden of proof.</p> <p>(e) This provision is in addition to any emergency or upset provision contained in any applicable requirement specified elsewhere herein [APC-S-2 II.B(10)]</p>
T-22	<p>General Condition: Upsets</p> <p>(a) The occurrence of an upset constitutes an affirmative defense to an enforcement action brought for noncompliance with emission standards or other requirements of Applicable Rules and Regulations or any applicable permit if the permittee demonstrates through properly signed contemporaneous operating logs, or other relevant evidence that include information as follows: (i) an upset occurred and that the permittee can identify the cause(s) of the upset; (ii) the source was at the time being properly operated; (iii) during the upset the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements of Applicable Rules and Regulations or any applicable permit; (iv) the permittee submitted notice of the upset to the DEQ within five (5) working days of the time the upset began which contained a description of the upset, any steps taken to mitigate emissions, and corrective actions taken.</p> <p>(b) In any enforcement proceeding, the permittee seeking to establish the occurrence of an upset has the burden of proof.</p> <p>(c) This provision is in addition to any upset provision contained in any applicable requirement. [APC-S-1 Section 10]</p>

Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

Venture Oil and Gas Inc, Kelley 21 4 Number 1

Facility Requirements

Permit Number:2840-00062

Activity ID No.: PER20100002

Page 7 of 17

AI0000035333 (continued):

Narrative Requirements:

Condition No.	Condition
T-23	<p>General Condition: Startups and Shutdowns</p> <p>(a) Startups and shutdowns are part of normal source operation. Emissions limitations applicable to normal operation apply during startups and shutdowns except as follows: (i) when sudden, unavoidable breakdowns occur during a startup or shutdown, the event may be classified as an upset subject to the requirements above; (ii) when a startup or shutdown is infrequent, the duration of excess emissions is brief in each event, and the design of the source is such that the period of excess emissions cannot be avoided without causing damage to equipment or persons; or (iii) when the emissions standards applicable during a startup or shutdown are defined by other requirements of Applicable Rules and Regulations or any applicable permit.</p> <p>(b) In any enforcement proceeding, the permittee seeking to establish the applicability of any exception during a startup or shutdown has the burden of proof.</p> <p>(c) In the event this startup and shutdown provision conflicts with another applicable requirement, the more stringent requirement shall apply. [APC-S-1 Section 10]</p>
T-24	<p>General Condition: Maintenance</p> <p>(a) Maintenance should be performed during planned shutdown or repair of process equipment such that excess emissions are avoided. Unavoidable maintenance that results in brief periods of excess emissions and that is necessary to prevent or minimize emergency conditions or equipment malfunctions constitutes an affirmative defense to an enforcement action brought for noncompliance with emission standards, or other regulatory requirements if the permittee can demonstrate the following: (i) the permittee can identify the need for the maintenance; (ii) the source was at the time being properly operated; (iii) during the maintenance the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements of Applicable Rules and Regulations or any applicable permit; (iv) the permittee submitted notice of the maintenance to MDEQ within five (5) working days of the time the maintenance began or such other times as allowed by MDEQ, which contained a description of the maintenance, any steps taken to mitigate emissions, and corrective actions taken.</p> <p>(b) In any enforcement proceeding, the permittee seeking to establish the applicability of this section has the burden of proof.</p> <p>(c) In the event this maintenance provision conflicts with another applicable requirement, the more stringent requirement shall apply. [APC-S-1 Section 10]</p>
T-25	<p>General Condition: For renewal of this permit the applicant shall make application not less than one-hundred eighty (180) days prior to the expiration date of the permit substantiated with current emissions data, test results or reports or other data as deemed necessary by the Mississippi Environmental Quality Permit Board. [APC-S-2 VIII]</p>

Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

Venture Oil and Gas Inc, Kelley 21 4 Number 1

Facility Requirements

Permit Number:2840-00062

Activity ID No.: PER20100002

Page 8 of 17

EQPT0000000011 (AA-001) 1.0 MMBTU/hr Propane Line Heater (H-1):

Limitation Requirements:

Condition No.	Parameter	Condition
L-1	Particulate Matter	Particulate Matter: The permittee shall limit Particulate Matter emissions from each fossil fuel burning installations of less than 10 million BTU per hour heat input shall not exceed 0.6 pounds per million BTU per hour heat input. [APC-S-1 3.4.a(1)]
L-2	Opacity	Opacity: The permittee shall not have emissions of opacity greater than or equal to 40 % as determined by EPA Reference Method 9, 40 CFR 60, Appendix A. [APC-S-1 3.1.a]
L-3		The permittee shall limit fuel burning equipment to only use commercial grade propane or pipeline quality natural gas. [APC-S-2 II.B(10)]

Monitoring Requirements:

Condition No.	Parameter	Condition
M-1		The permittee shall monitor fuel usage, including type and quantity of fuel used. [APC-S-2 II.B(11)]

Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

Venture Oil and Gas Inc, Kelley 21 4 Number 1

Facility Requirements

Permit Number:2840-00062

Activity ID No.: PER20100002

Page 9 of 17

EQPT0000000012 (AA-002) 0.5 MMBTU/hr Propane Heater Treater (H-2):

Limitation Requirements:

Condition No.	Parameter	Condition
L-1	Particulate Matter	Particulate Matter: The permittee shall limit Particulate Matter emissions from each fossil fuel burning installations of less than 10 million BTU per hour heat input shall not exceed 0.6 pounds per million BTU per hour heat input. [APC-S-1 3.4.a(1)]
L-2	Opacity	Opacity: The permittee shall not have emissions of opacity greater than or equal to 40 % as determined by EPA Reference Method 9, 40 CFR 60, Appendix A. [APC-S-1 3.1.a]
L-3		The permittee shall limit fuel burning equipment to only use commercial grade propane or pipeline quality natural gas. [APC-S-2 II.B(10)]

Monitoring Requirements:

Condition No.	Parameter	Condition
M-1		The permittee shall monitor fuel usage, including type and quantity of fuel used. [APC-S-2 II.B(11)]

Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

Venture Oil and Gas Inc, Kelley 21 4 Number 1

Facility Requirements

Permit Number:2840-00062

Activity ID No.: PER20100002

Page 10 of 17

CONT0000000001 (AA-003) Flare (F-1):

Limitation Requirements:

Condition No.	Parameter	Condition
L-1	Hydrogen sulfide	Hydrogen sulfide: The permittee shall not cause or permit the emissions for any gas stream which contains hydrogen sulfide in excess of one (1) grain per 100 standard cubic feet (gr/100 scf) Gas streams containing hydrogen sulfide in excess of one grain per 100 standard cubic feet shall be incinerated at a temperature of not less than 1600 degree Fahrenheit for a period of not less than 0.5 seconds, or processed in such a manner which is equivalent to or more effective for the removal of hydrogen sulfide. [APC-S-1 4.2.b]
L-2	Opacity	Opacity: The permittee shall operate the flare with no visible emissions, except for periods not to exceed a total of five (5) minutes during any two (2) consecutive hours and as determined by EPA Test Method 22, 40 CFR 60, Appendix A. [APC-S-2 II.B(10)]

Monitoring Requirements:

Condition No.	Parameter	Condition
M-1		The permittee shall maintain a flare pilot flame at all times and keep records of all maintenance performed on the flare in order to operate the flare in a manner consistent with good air pollution control practices to minimize emissions. [APC-S-2 II.B(10)]
M-2		The permittee shall monitor the flared gas component analysis including hydrogen sulfide, heat value, molecular weight, specific gravity, and any other property required to determine emissions. [APC-S-2 II.B(11)]

Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

Venture Oil and Gas Inc, Kelley 21 4 Number 1

Facility Requirements

Permit Number:2840-00062

Activity ID No.: PER20100002

Page 11 of 17

EQPT0000000019 (AA-010) 3,000 Gallon Methanol Storage Tank (T-7) :

Narrative Requirements:

Condition

No. Condition

T-1 Such air emission equipment shall be operated as efficiently as possible to provide the maximum reduction of air contaminants. [APC-S-2 II.B(10)]

Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

Venture Oil and Gas Inc, Kelley 21 4 Number 1

Facility Requirements

Permit Number:2840-00062

Activity ID No.: PER20100002

Page 12 of 17

EQPT0000000020 (AA-011) 210 Gallon Crystal Modifier Storage Tank (T-8):

Narrative Requirements:

Condition

No. Condition

T-1 Such air emission equipment shall be operated as efficiently as possible to provide the maximum reduction of air contaminants. [APC-S-2 II.B(10)]

Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

Venture Oil and Gas Inc, Kelley 21 4 Number 1

Facility Requirements

Permit Number:2840-00062

Activity ID No.: PER20100002

Page 13 of 17

EQPT0000000021 (AA-012) 210 Gallon Defoamer Storage Tank (T-9):

Narrative Requirements:

Condition No.	Condition
T-1	Such air emission equipment shall be operated as efficiently as possible to provide the maximum reduction of air contaminants. [APC-S-2 II.B(10)]

Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

Venture Oil and Gas Inc, Kelley 21 4 Number 1

Facility Requirements

Permit Number:2840-00062

Activity ID No.: PER20100002

Page 14 of 17

EQPT0000000022 (AA-013) 210 Gallon Corrosion Inhibitor Storage Tank (T-10):

Narrative Requirements:

Condition No.	Condition
T-1	Such air emission equipment shall be operated as efficiently as possible to provide the maximum reduction of air contaminants. [APC-S-2 II.B(10)]

Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

Venture Oil and Gas Inc, Kelley 21 4 Number 1

Facility Requirements

Permit Number:2840-00062

Activity ID No.: PER20100002

Page 15 of 17

AREA0000000004 (AA-014) Truck Loading (L-1) with emissions routed to the vapor recovery unit and the flare (AA-003):

Limitation Requirements:

Condition No.	Parameter	Condition
L-1		The permittee shall only operate with the emissions routed to and controlled by the flare. [APC-S-2 II.B(10)]

Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

Venture Oil and Gas Inc, Kelley 21 4 Number 1

Facility Requirements

Permit Number:2840-00062

Activity ID No.: PER20100002

Page 16 of 17

AREA0000000005 (AA-015) Fugitive Emissions including equipment leaks and flashing emissions (P-1):

Narrative Requirements:

Condition No.	Condition
T-1	Such air emission equipment shall be operated as efficiently as possible to provide the maximum reduction of air contaminants. [APC-S-2 II.B(10)]

Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

Venture Oil and Gas Inc, Kelley 21 4 Number 1

Facility Requirements

Permit Number:2840-00062

Activity ID No.: PER20100002

Page 17 of 17

GRPT0000000002 (AT-001) Storage Tanks:

Limitation Requirements:

Condition No.	Parameter	Condition
L-1		The permittee shall only operate the storage tanks with emissions routed to and controlled by the flare. [APC-S-2 II.B(10)]

Narrative Requirements:

Condition No.	Condition
T-1	Such air emission equipment shall be operated as efficiently as possible to provide the maximum reduction of air contaminants. [APC-S-2 II.B(10)]

GENERAL INFORMATION

Venture Oil and Gas Inc, Kelley 21 4 Number 1
Highway 45
Waynesboro, MS
Wayne County

Alternate/Historic Identifiers

ID	Alternate/Historic Name	User Group	Start Date	End Date
35333	Venture Oil and Gas, Inc.	Official Site Name	3/5/2007	
35333	KCS Resources, Inc.	Historic Site Name	3/5/2007	9/7/2010
2815300062	Venture Oil and Gas, Inc	Air-AIRS AFS	10/28/2010	
284000062	Venture Oil and Gas Inc, Kelley 21 4 Number 1	Air-Construction	9/26/2011	
284000062	Venture Oil and Gas Inc, Kelley 21 4 Number 1	Air-Synthetic Minor Operating	9/26/2011	8/31/2016

Basin: Pascagoula River Basin

Location Description: