State of Mississippi

AIR POLLUTION CONTROL PERMIT

Permit To Construct Air Emissions Equipment

THIS CERTIFIES

Venture Oil and Gas Inc, Venture Glades Crossing Gas Plant
Red Holifield Drive
Laurel, MS
Jones County

has been granted permission to construct air emissions equipment to comply with the emission limitations, monitoring requirements and other conditions set forth herein. This permit is issued in accordance with the provisions of the Mississippi Air and Water Pollution Control Law (Section 49-17-1 et. seq., Mississippi Code of 1972), and the regulations and standards adopted and promulgated thereunder.

Mississippi Environmental Quality Permit Board

Mississippi Department of Environmental Quality

Issued/Modified:

Expires:

Permit No. **1360-00156**

Agency Interest # **69602**

*** Draft Permit ***

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Permit To Construct Air Emissions Equipment

Venture Oil and Gas Inc, Venture Glades Crossing Gas Plant

Subject Item Inventory

Permit Number: 1360-00156

Activity ID No.: PER20160001

Subject Item Inventory:

ID	Designation	Description
AI69602	69602	Natural Gas Processing (E-12)
EQPT1	AA-001	163 HP Natural Gas Compressor 4-stroke rich burn Engine (E-101)
EQPT2	AA-002	163 HP Natural Gas Compressor 4-stroke rich burn Engine (E-102)
EQPT3	AA-003	95 HP Natural Gas Compressor 4-stroke rich burn Engine (E-103)
EQPT4	AA-004	0.75 MMSCF/D Refrigerant Propane Reciprocating Compressor powered by AA-001 (C-101)
EQPT5	AA-005	0.75 MMSCF/D Refrigerant Propane Reciprocating Compressor powered by AA-002 (C-102)
EQPT6	AA-006	0.25 MMSCF/D Refrigerant Overhead Gas Reciprocating Compressor powered by AA-003 (C-103)
EQPT7	AA-007	5 MMSCF/D Amine Process Vent (E-1)
EQPT8	AA-008	2.5 MMBtu/hr Natural Gas Amine Reboiler (E-2)
EQPT9	AA-009	5 MMSCF/D Dehydrator Process Vent (E-3)
EQPT10	AA-010	1 MMBtu/hr Natural Gas Dehydrator Reboiler (E-4)
EQPT11	AA-011	Flare (E-5) to control emissions from Glycol Dehydrator Process Vent, Three Phase Separator Flash Gas, Crude Oil Storage Tank, and Truck Loading
EQPT12	AA-012	Three Phase Separator Flash Gas (E-6)
EQPT32	AA-013	Truck Loading (E-9)
EQPT13	AA-014	BTEX Condenser
EQPT14	AA-015	16,800 Gallon Vertical Fixed Roof Crude Oil Storage Tank (TK-01)
EQPT15	AA-016	9,240 Gallon Vertical Fixed Roof Produce Water Storage Tank (TK-02)
EQPT16	AA-017	16,800 Gallon Vertical Fixed Roof Produce Water Storage Tank (TK-1930)
EQPT17	AA-018	16,800 Gallon Vertical Fixed Roof Produce Water Storage Tank (TK-1960)
EQPT18	AA-019	16,800 Gallon Vertical Fixed Roof Produce Water Storage Tank (TK-1970)

Subject Item Inventory:

ID	Designation	Description
EQPT19	AA-020	600 Gallon Horizontal Fixed Roof Methanol Storage Tank (TK-03)
EQPT20	AA-021	600 Gallon Horizontal Fixed Roof Methanol Storage Tank (TK-04)
EQPT21	AA-022	600 Gallon Horizontal Fixed Roof Methanol Storage Tank (TK-05)
EQPT22	AA-023	600 Gallon Horizontal Fixed Roof Methanol Storage Tank (TK-06)
EQPT23	AA-024	300 Galllon Horizontal Fixed Roof Corrosion Inhibitor Storage Tank (TK-07)
EQPT24	AA-025	300 Galllon Horizontal Fixed Roof Corrosion Inhibitor Storage Tank (TK-08)
EQPT25	AA-026	300 Galllon Horizontal Fixed Roof Corrosion Inhibitor Storage Tank (TK-09)
EQPT26	AA-027	600 Gallon Horizontal Fixed Roof Lube Oil Storage Tank (TK-10)
EQPT27	AA-028	600 Gallon Horizontal Fixed Roof Lube Oil Storage Tank (TK-11)
EQPT28	AA-029	300 Gallon Horizontal Fixed Roof Monoethanolamine (MEA) Storage Tank (TK-12)
EQPT29	AA-030	300 Gallon Horizontal Fixed Roof Ethylene Glycol Storage Tank (TK-13)
EQPT30	AA-031	300 Gallon Horizontal Fixed Roof Ethylene Glycol Storage Tank (TK-14)
EQPT31	AA-032	16,000 Gallon Natural Gas Liquids (NGL) Bullet Tank

Subject Item Groups:

ID	Description	Components
GRPT1	Produce Water Storage Tanks	EQPT15 9,240 Gallon Vertical Fixed Roof Produce Water Storage Tank (TK-02)
		EQPT16 16,800 Gallon Vertical Fixed Roof Produce Water Storage Tank (TK-1930)
		EQPT17 16,800 Gallon Vertical Fixed Roof Produce Water Storage Tank (TK-1960)
		EQPT18 16,800 Gallon Vertical Fixed Roof Produce Water Storage Tank (TK-1970)

Permit To Construct Air Emissions Equipment

Venture Oil and Gas Inc, Venture Glades Crossing Gas Plant

Subject Item Inventory

Permit Number: 1360-00156

Activity ID No.: PER20160001

Subject Item Groups:

ID	Description	Components
GRPT2	Methanol Storage Tanks	EQPT19 600 Gallon Horizontal Fixed Roof Methanol Storage Tank (TK-03)
		EQPT20 600 Gallon Horizontal Fixed Roof Methanol Storage Tank (TK-04)
		EQPT21 600 Gallon Horizontal Fixed Roof Methanol Storage Tank (TK-05)
		EQPT22 600 Gallon Horizontal Fixed Roof Methanol Storage Tank (TK-06)
GRPT3	Internal Combustion Engines	EQPT1 163 HP Natural Gas Compressor 4-stroke rich burn Engine (E-101)
		EQPT2 163 HP Natural Gas Compressor 4-stroke rich burn Engine (E-102)
		EQPT3 95 HP Natural Gas Compressor 4-stroke rich burn Engine (E-103)
GRPT4	Reciprocating Compressors	EQPT4 0.75 MMSCF/D Refrigerant Propane Reciprocating Compressor powered by AA-001 (C-101)
		EQPT5 0.75 MMSCF/D Refrigerant Propane Reciprocating Compressor powered by AA-002 (C-102)
		EQPT6 0.25 MMSCF/D Refrigerant Overhead Gas Reciprocating Compressor powered by AA-003 (C-103)
GRPT5	Miscellaneous Storage Tanks	EQPT23 300 Galllon Horizontal Fixed Roof Corrosion Inhibitor Storage Tank (TK-07)
		EQPT24 300 Galllon Horizontal Fixed Roof Corrosion Inhibitor Storage Tank (TK-08)
		EQPT25 300 Galllon Horizontal Fixed Roof Corrosion Inhibitor Storage Tank (TK-09)
		EQPT26 600 Gallon Horizontal Fixed Roof Lube Oil Storage Tank (TK-10)
		EQPT27 600 Gallon Horizontal Fixed Roof Lube Oil Storage Tank (TK-11)
		EQPT28 300 Gallon Horizontal Fixed Roof Monoethanolamine (MEA) Storage Tank (TK-12)
		EQPT29 300 Gallon Horizontal Fixed Roof Ethylene Glycol Storage Tank (TK-13)
		EQPT30 300 Gallon Horizontal Fixed Roof Ethylene Glycol Storage Tank (TK-14)
		EQPT31 16,000 Gallon Natural Gas Liquids (NGL) Bullet Tank

KEY

ACT = Activity	AI = Agency Interest
AREA = Area	CAFO = Concentrated Animal Feeding Operation
CONT = Control Device	EQPT = Equipment
IA = Insignificant Activity	IMPD = Impoundment
MAFO = Animal Feeding Operation	PCS = PCS
RPNT = Release Point	TRMT = Treatment
WDPT = Withdrawal Point	

AI0000069602 (69602) Natural Gas Processing (E-12):

Limitation Requirements:

Condition No.	Parameter	Condition
L-1	Fuel Combusted	Fuel Combusted: For all combustion units operating at this facility, the permittee shall combust only produced natural gas. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(10)]
L-2		The facility will be subject to 40 CFR 60, Subpart OOOOa, New Source Performance Standards for Crude Oil and Natural Facilities. If any of the equipment listed in 40 CFR 60.5365 (a) through (h) are constructed at this facility, the permittee must comply with the applicable requirements of 40 CFR 60, Subpart OOOOa. [40 CFR 60_Subpart OOOO.a]

Monitoring Requirements:

Condition No.	Parameter	Condition
M-1		The permittee shall conduct a semi-annual natural gas analysis including hydrogen sulfide concentration, sulfur content, methane concentration (volume), gross heating value, molecular weight, specific gravity. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(11)]

AI0000069602 (69602) Natural Gas Processing (E-12):

Record-Keeping Requirements:

Condition No.	Condition
R-1	For the facility, the permittee shall keep the following records: (1) results of semi-annual analysis conducted on produced natural gas including hydrogen sulfide, sulfur content, methane concentration (volume), gross heating value, molecular weight and specific gravity; (2) calculated cubic feet of natural gas burned, as fuel, monthly; (3) cubic feet of natural gas destructed in the flare, monthly; (4) log/record of weekly visible emission observation on the flare. The permittee shall maintain a copy of this record on site for at least five years and shall make them available upon request by the Mississippi Department of Environmental Quality (MDEQ) personnel. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(11)]
R-2	The permittee shall develop a detailed report of all applicable requirements of 40 CFR 60, Subpart OOOOa including limitations, notifications, monitoring, testing, and recordkeeping no later than thirty (30) days from the certification of construction date. This applicability report shall be attached to the Permittee's copy of the permit and kept on-site and made available to MDEQ representative during an inspection of the facility. [40 CFR 60_Subpart OOOO.a]

AI0000069602 (69602) Natural Gas Processing (E-12):

Submittal/Action Requirements:

Condition No.	Condition
S-1	General Condition: The permittee shall submit certification of construction: Due within thirty (30) days of completion of construction or installation of an approved stationary source or prior to startup, whichever is earlier. The notification shall certify that construction or installation was performed in accordance with the approved plans and specifications. In the event there is any change in construction from the previously approved plans and specifications or permit, the permittee shall promptly notify MDEQ in writing. If MDEQ determines the changes are substantial, MDEQ may require the submission of a new application to construct with "as built" plans and specifications. Notwithstanding any provision herein to the contrary, the acceptance of an "as built" application shall not constitute a waiver of the right to seek compliance penalties pursuant to State Law. [11 Miss. Admin. Code Pt. 2, R. 2.5.D.]
S-2	Within fifteen (15) days of beginning actual construction, the permittee must notify DEQ in writing that construction has begun. [11 Miss. Admin.Code Pt. 2, R.2.5.C (2).]
S-3	The permittee must notify DEQ in writing when construction does not begin within eighteen (18) months of issuance or if construction is suspended for eighteen (18) months or more. [11 Miss. Admin.Code Pt. 2, R.2.5.C(4).]
S-4	Except as otherwise specified herein, the permittee shall submit a certified annual report, due by the 31st of January for the preceding calendar year. This report shall address the required monitoring specified in the permit including the following: (1) results of semi-annual analysis of natural gas produced including methane concentration (by volume), hydrogen sulfide, sulfur content, gross heating value, molecular weight, and specific gravity; (2) calculated cubic feet of natural gas burned, as fuel, monthly; (3) cubic feet of natural gas destructed in the flare, monthly; (4) date, start time and duration of any upsets or bypasses of control devices at the facility. If no bypasses or upsets have occurred, the facility should submit negative declarations; (5) results of all EPA Method 22 analysis conducted on the control flare. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(11)]
S-5	The permittee shall submit initial notification of compliance with 40 CFR 60, Subpart OOOOa of all emission standards, monitoring, recordkeeping, and reporting within 30 days of startup. [40 CFR 60.5420]

AI0000069602 (69602) Natural Gas Processing (E-12):

Submittal/Action Requirements:

Condition No.	Condition
S-6	The permittee shall submit the detailed report of 40 CFR 60, Subpart OOOOa requirements within 45 days of certification of construction. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(11)]

Narrative Requirements:

General Condition:

Condition No.	Condition
T-1	General Condition: The stationary source shall be designed and constructed so as to operate without causing a violation of any Applicable Rules and Regulations or this permit, without interfering with the attainment and maintenance of State and National Ambient Air Quality Standards, and such that the emission of air toxics does not result in an ambient concentration sufficient to adversely affect human health and well-being or unreasonably and adversely affect plant or animal life beyond the stationary source boundaries. [11 Miss. Admin.Code Pt. 2, R.2.5.A.]
T-2	General Condition: Any activities not identified in the application are not authorized by this permit. [Miss. Code Ann. 49_17_29 1.b]
T-3	General Condition: The necessary facilities shall be constructed so that solids removed in the course of control of air emissions may 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]
T-4	General Condition: The air pollution control facilities shall be constructed such that diversion from or bypass of collection and control facilities is not needed except as provided for in Regulation 11 Miss. Admin. Code Pt.2, R. 1.10 "Air Emission Regulations for the Prevention, Abatement, and Control of Air Contaminants", Section 10. [11 Miss. Admin. Code Pt. 2, R. 1.10]

AI0000069602 (69602) Natural Gas Processing (E-12):

Narrative Requirements:

Condition No.	Condition
T-5	General Condition: The permittee shall allow the Mississippi Environmental Quality Commission, the Mississippi Environmental Quality Permit Board, MDEQ staff 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-6	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 good cause shown including, but not limited to, the following: a. Persistant 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 requires either a temporary or permanent reduction or elimination of previously authorized air emissions. [11 Miss. Admin.Code Pt. 2, R.2.2.C.]
T-7	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]

Condition No.	Condition
T-8	General Condition:This permit is for air pollution control purposes only. [11 Miss. Admin.Code Pt. 2, R.2.1.D.]
T-9	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 operating without a valid permit pursuant to State Law. [11 Miss. Admin.Code Pt. 2, R.2.2.B(5).]
T-10	General Condition: It is the responsibility of the applicant/permittee to obtain all other approvals, permits, clearances, easements, agreements, etc., which may be required including, but not limited to, all required local government zoning approvals or permits. [11 Miss. Admin.Code Pt. 2, R.2.1.D(6).]
T-11	General Condition: The issuance of a permit does not release the permittee from liability for constructing or operating air emissions equipment in violation of any applicable statute, rule, or regulation of state or federal environmental authorities. [11 Miss. Admin.Code Pt. 2, R.2.1.D(7).]

AI0000069602 (69602) Natural Gas Processing (E-12):

Narrative Requirements:

Condition No.	Condition
T-12	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 the 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. [11 Miss. Admin.Code Pt. 2, R.2.2.B(15)(a).]
T-13	General Condition: The permit and/or any part thereof may be modified, revoked, reopened, and reissued, or terminated for cause. Sufficient cause for a 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 permit condition. [11 Miss. Admin.Code Pt. 2, R.2.2.B(15)(b).]
T-14	General Condition: The permit does not convey any property rights of any sort, or any exclusive privilege. [11 Miss. Admin.Code Pt. 2, R.2.2.B(15)(c).]
T-15	General Condition: The permittee shall furnish to the DEQ within a reasonable time any information the DEQ 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 the DEQ copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee shall furnish such records to the DEQ along with a claim of confidentiality. The permittee may furnish such records directly to the Administrator along with a claim of confidentiality. [11 Miss. Admin.Code Pt. 2, R.2.2.B(15)(d).]
T-16	General Condition: This permit shall not be transferred except upon approval of the Permit Board. [11 Miss. Admin.Code Pt. 2, R.2.16.B.]
T-17	General Condition: The provisions of this permit are severable. If any provision of the permit, or the application of any provision of the 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. [11 Miss. Admin.Code Pt. 2, R.1.1.D(7).]
T-18	General Condition: The permit to construct will expire if construction does not begin within eighteen (18) months from the date of issuance or if construction is suspended for eighteen (18) months or more. [11 Miss. Admin.Code Pt. 2, R.2.5.C(1).]
T-19	General Condition: A new stationary source issued a Permit to Construct cannot begin operation until certification of construction by the permittee. [11 Miss. Admin.Code Pt. 2, R.2.5.D(3).]

AI0000069602 (69602) Natural Gas Processing (E-12):

Narrative Requirements:

Condition No.	Condition
T-20	General Condition: Except as prohibited in 11 Miss. Admin. Code Pt. 2,R. 2.5.D(7) after certification of construction by the permittee, the Permit to Construct shall be deemed to satisfy the requirement for a permit to operate until the date the application for issuance or modification of the Title V Permit or the application for issuance or modification of the State Permit to Operate, whichever is applicable, is due. This provision is not applicable to a source excluded from the requirement for a permit to operate as provided by 11 Miss. Admin. Code Pt. 2, R. 2.13.G. [11 Miss. Admin. Code Pt. 2, R. 2.5.D(4).]
T-21	General Condition: Except as otherwise specified in 11 Miss. Admin. Code Pt. 2, R. 2.5.D(7), the application for issuance or modification of the State Permit to Operate or the Title V Permit, whichever is applicable, is due twelve (12) months after beginning operation or such earlier date or time as specified in the Permit to Construct. The Permit Board may specify an earlier date or time for submittal of the application. Beginning operation will be assumed to occur upon certification of construction, unless the permittee specifies differently in writing. [11 Miss. Admin. Code Pt. 2, R. 2.5.D(5).]
T-22	General Condition: Except as otherwise specified in 11 Miss. Admin. Code Pt. 2, R. 2.5.D(7), upon submittal of a timely and complete application for issuance or modification of a State Permit to Operate or a Title V Permit, whichever is applicable, the applicant may continue to operate under the terms and conditions of the Permit to Construct and in compliance with the submitted application until the Permit Board issues, modifies, or denies the Permit to Operate. [11 Miss. Admin. Code Pt. 2, R. 2.5.D(6).]
T-23	General Condition: For moderate modifications that require contemporaneous enforceable emissions reductions from more than one emission point in order to net out of PSD/NSR, the applicable Title V Permit to Operate or State Permit to Operate must be modified prior to beginning operation of the modified facilities. [11 Miss. Admin.Code Pt. 2, R.2.5.D(7).]
T-24	General Condition: Regarding compliance testing: (a) The results of any emissions sampling and analysis shall be expressed both in units consistent with the standards set forth in any Applicable Rules and Regulations or this permit and in units of mass per time. (b) Compliance testing will be performed at the expense of the permittee. (c) Each emission sampling and analysis report shall include but not be limited to the following: 1. detailed description of testing procedures; 2. sample calculation(s); 3. results; and 4. comparison of results to all Applicable Rules and Regulations and to emission limitations in the permit. [11 Miss. Admin.Code Pt. 2, R.2.6.B(3),(4)&(6).]

AI0000069602 (69602) Natural Gas Processing (E-12):

Narrative Requirements:

Condition No.	Condition
T-25	General Condition: The construction of the stationary source shall be performed in such a manner so as to reduce fugitive dust emissions from construction activities to a minimum. [11 Miss. Admin.Code Pt. 2, R.2.5.A(4).]

EQPT0000000007 (AA-007) 5 MMSCF/D Amine Process Vent (E-1):

Limitation Requirements:

Condition No.	Parameter	Condition
L-1		The permittee is subject to 40 CFR 60, Subpart OOOOa, New Source Performance Standards for Crude Oil and Natural Gas Facilities. For this emission point, the permittee is required to comply with the recordkeeping and reporting requirements specified in §60.5423(c) but are not required to comply with §60.5405a through §60.5407a and §60.5410a(g) and §60.5415a (g). [40 CFR 60.5365a(g)]

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. [11 Miss. Admin. Code Pt. 2, R. 2.2.B (10)]

EQPT0000000008 (AA-008) 2.5 MMBtu/hr Natural Gas Amine Reboiler (E-2):

Limitation Requirements:

Condition No.	Parameter	Condition
L-1	Particulate Matter	Particulate Matter: The permittee shall not have particulate emissions from fossil fuel burning installations of less than 10 MMBTU/hr heat input that exceeds 0.6 lb/MMBTU. [11 Miss. Admin. Code Pt. 2, R. 1.3.D(1)a]
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. [11 Miss. Admin. Code Pt. 2, R. 1.3.A]
L-3	Sulfur Dioxide	Sulfur Dioxide: The permittee shall not discharge sulfur oxides from any fuel burning installations in which fuel is burned primarily to produce heat of power by indirect heat transfer in excess of 4.8 lb/MMBTU (measured as sulfur dioxide) heat input. [11 Miss. Admin. Code Pt. 2, R. 1.4.A(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. [11 Miss. Admin. Code Pt. 2, R. 2.2.B (10)]

EQPT0000000009 (AA-009) 5 MMSCF/D Dehydrator Process Vent (E-3):

Limitation Requirements:

Condition No.	Parameter	Condition
L-1		The permittee operates emission point with emissions routed to and controlled by the flare or the dehydrator reboiler. [11 Miss. Admin. Code Pt. 2, R. 2.2.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. [11 Miss. Admin. Code Pt. 2, R. 2.2.B (10)]

EQPT0000000010 (AA-010) 1 MMBtu/hr Natural Gas Dehydrator Reboiler (E-4):

Limitation Requirements:

Condition No.	Parameter	Condition
L-1	Particulate Matter	Particulate Matter: The permittee shall not have particulate emissions from fossil fuel burning installations of less than 10 MMBTU/hr heat input that exceeds 0.6 lb/MMBTU. [11 Miss. Admin. Code Pt. 2, R. 1.3.D(1)a]
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. [11 Miss. Admin. Code Pt. 2, R. 1.3.A]
L-3	Sulfur Dioxide	Sulfur Dioxide: The permittee shall not discharge sulfur oxides from any fuel burning installations in which fuel is burned primarily to produce heat of power by indirect heat transfer in excess of 4.8 lb/MMBTU (measured as sulfur dioxide) heat input. [11 Miss. Admin. Code Pt. 2, R. 1.4.A(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. [11 Miss. Admin. Code Pt. 2, R. 2.2.B (10)]

EQPT0000000011 (AA-011) Flare (E-5) to control emissions from Glycol Dehydrator Process Vent, Three Phase Separator Flash Gas, Crude Oil Storage Tank, and Truck Loading:

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 (1) grain per 100 standard cubic feet shall be incinerated of not less than 1600 Degrees 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. [11 Miss. Admin. Code Pt. 2, R. 1.4.B(2)]
L-2	Opacity	Opacity: The permittee shall operate the flare with no visible emissions as determined by EPA Reference Method 22, except for periods not to exceed a total of five (5) minutes during any consecutive two (2) hours. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(10)]
L-3		The permittee shall maintain a flare pilot flame, auto ignitor, or any other equivalent device at all times when emissions are routed to the flare. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(10)]
L-4		The net heating value of the gas being combusted shall be 300 Btu/scf or greater if the flare is steam assisted or air assisted, or net heating value of the gas being combusted shall be 200 Btu/scf if the flare is non-assisted. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(10)]

Monitoring Requirements:

Condition No.	Parameter	Condition
M-1		The permittee shall monitor the presence of the flare pilot flame by one of the following methods: using a thermo-couple or any other equivalent device to detect the presence of a flame; or visually observe the presence of the flare flame daily. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(11)]

EQPT0000000011 (AA-011) Flare (E-5) to control emissions from Glycol Dehydrator Process Vent, Three Phase Separator Flash Gas, Crude Oil Storage Tank, and Truck Loading:

Monitoring Requirements:

Condition No.	Parameter	Condition
M-2		The permittee shall visual observe the flare flame for a minimum of five (5) minutes during operations weekly. If smoke is observed, corrective action must be taken. The permittee shall perform a follow-up visual observation for a period of two (2) hours using EPA Method 22 immediately after corrections are made to demonstrate compliance with the visible emission limitations. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(11)]

Record-Keeping Requirements:

Condition No.	Condition
R-1	The permittee shall keep records of all maintenance performed on the flare in order to operate the flare in a manner consistent with good air pollution practices to minimize emissions and make said records available on request. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(11)]
R-2	The permittee shall record on a log sheet anytime the facility is operating without a flame present and the corrective action taken. [11 Miss. Admin. Code Pt. 2, R. 2.2.B (11)]
R-3	The permittee shall keep a record of the net heating value and volume of the gas stream combusted in the flare. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(11)]
R-4	Flare emissions shall be calculated monthly and determined for each 12-month rolling total as tons/year. The permittee shall maintain a copy of this record on site for at least five years and shall make them available upon request by the Mississippi Department of Environmental Quality (MDEQ) personnel. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(11)]
R-5	The permittee shall maintain a record and/or log documenting all visual observations/test, the nature and cause of any visible emissions, any corrective action(s) taken to prevent or minimize the emissions, the date and time when visible observations were conducted and the date and time when corrective action was taken. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(11)]
R-6	The permitttee shall maintain records of the exemption determination as required in §63.774(d)(1). [40 CFR 63.764(e)]

EQPT0000000012 (AA-012) Three Phase Separator Flash Gas (E-6):

Limitation Requirements:

Condition No.	Parameter	Condition
L-1		The permittee operates the emission point with emissions routed to and controlled by the flare. [11 Miss. Admin. Code Pt. 2, R. 2.2.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. [11 Miss. Admin. Code Pt. 2, R. 2.2.B (10)]

EQPT0000000032 (AA-013) Truck Loading (E-9):

Limitation Requirements:

Condition No.	Parameter	Condition
L-1		The permittee operates the emission point with emissions routed to and controlled by the flare. [11 Miss. Admin. Code Pt. 2, R. 2.2.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. [11 Miss. Admin. Code Pt. 2, R. 2.2.B (10)]

EQPT0000000013 (AA-014) BTEX Condenser:

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. [11 Miss. Admin. Code Pt. 2, R. 2.2.B (10)]

EQPT0000000014 (AA-015) 16,800 Gallon Vertical Fixed Roof Crude Oil Storage Tank (TK-01):

Limitation Requirements:

Condition No.	Parameter	Condition
L-1		The permittee shall only operate the emission point with emissions routed to and controlled by the flare. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(10)]

Record-Keeping Requirements:

Condition No.	Condition
R-1	The permittee shall keep records of the throughput of the tank. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(11)]

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. [11 Miss. Admin. Code Pt. 2, R. 2.2.B (10)]

GRPT0000000001 (AT-001) Produce Water Storage Tanks:

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. [11 Miss. Admin. Code Pt. 2, R. 2.2.B (10)]

GRPT0000000002 (AT-002) Methanol Storage Tanks:

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. [11 Miss. Admin. Code Pt. 2, R. 2.2.B (10)]

GRPT0000000003 (AE-001) Internal Combustion Engines:

Limitation Requirements:

Condition No.	Parameter	Condition
L-1	Particulate Matter	Particulate Matter: The permittee shall not have particulate emissions from fossil fuel burning installations of less than 10 MMBTU/hr heat input that exceeds 0.6 lb/MMBTU. [11 Miss. Admin. Code Pt. 2, R. 1.3.D(1)a]
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. [11 Miss. Admin. Code Pt. 2, R. 1.3.A(1)]
L-3	Sulfur Dioxide	Sulfur Dioxide: The permittee shall not discharge sulfur oxides from any fuel burning installations in which fuel is burned primarily to produce heat of power by indirect heat transfer in excess of 4.8 lb/MMBTU (measured as sulfur dioxide) heat input. [11 Miss. Admin. Code Pt. 2, R. 1.4.A(1)]
L-4		The permittee is subject to the National Emission Standards for Hazardous Air Pollutants for Reciprocating Internal Combustion Engines in 40 CFR 63, Subpart ZZZZ and the General Provisions in Subpart A. [40 CFR 63_Subpart ZZZZ]
L-5		Except during periods of startups, the permittee shall comply with the follow requirements: 1) Change oil and filter every 1,440 hours of operation or annually, whichever comes first; 2) Inspect spark plugs every 1,440 hours of operation or annually, whichever comes first; 3) Inspect all hoses and belts every 1,440 hours of operation or annually, whichever comes first, and replace as necessary The permittee shall minimize the engine's time spent at idle and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the non-startup emission limitations apply. [40 CFR 63.6603 and(Table 2d)]

GRPT0000000003 (AE-001) Internal Combustion Engines:

Monitoring Requirements:

Condition No.	Parameter	Condition
M-1		The permittee shall comply with the following work and management practices: 1) Operating and maintaining the stationary RICE according to the manufacturer's emission-related operation and maintenance instructions; or 2) Develop and follow your own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions. [40 CFR 63.6640]

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. [11 Miss. Admin. Code Pt. 2, R. 2.2.B (10)]

GRPT0000000004 (AE-002) Reciprocating Compressors:

Limitation Requirements:

Condition No.	Parameter	Condition
L-1		The permittee is subject to 40 CFR 60, Subpart OOOOa, New Source Performance Standards for Crude Oil and Natural Gas Facilities. The permittee shall comply with all the applicable standards in §60.5385a for each affected facility in accordance with 40 CFR 60.5365a. [40 CFR 60.5365a(c)]

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. [11 Miss. Admin. Code Pt. 2, R. 2.2.B (10)]

GRPT0000000005 (AT-003) Miscellaneous Storage Tanks:

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. [11 Miss. Admin. Code Pt. 2, R. 2.2.B (10)]

GENERAL INFORMATION

Venture Oil and Gas Inc, Venture Glades Crossing Gas Plant
Red Holifield Drive
Laurel, MS
Jones County

Alternate/Historic Identifiers

ID	Alternate/Historic Name	User Group	Start Date	End Date
69602	Venture Oil and Gas, Inc.	Official Site Name	03/29/2016	

Basin: Pascagoula River Basin