west virginia department of environmental protection

Division of Air Quality
601 57th Street SE
Charleston, WV 25304
Phone 304/926-0475

Earl Ray Tomblin, Governor
Randy C. Huffman, Cabinet Secretary
www.dep.wv.gov

December 31, 2015

CERTIFIED MAIL
91 7199 9991 7035 6693 6492

Evan Foster
3501 NW 63rd Street
Oklahoma City, OK 73116

RE: Approved Registration G70-A189
Ascent Resources - Marcellus, LLC
Hoyt 401
Facility ID No. 103-00051

Dear Mr. Foster:

The Director has determined that the submitted Registration Application and proposed construction and operation of an oil and natural gas production facility demonstrates eligibility and compliance with the requirements, provisions, standards and conditions of General Permit G70-A and hereby grants General Permit registration G70-A189 authorizing the proposed activity.

General Permit G70-A can be accessed electronically at www.dep.wv.gov/daq/permitting/Pages/airgeneralpermit.aspx. Hard copies are available upon request by contacting Danielle Wentz at (304)926-0499 ext. 1193.

Please be aware of the actions required in Monitoring Requirements, Testing Requirements, Recordkeeping Requirements, and the Reporting Requirements.

Should you have any questions, please contact the undersigned engineer at (304)926-0499 ext. 1258 or Caraline.F.Griffith@wv.gov.

Sincerely,

Caraline Griffith
Permit Engineer

Enclosures: Registration G70-A189
c: Grant Morgan - ERM

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Class II General Permit
G70-A Registration to Modify

for the
Prevention and Control of Air Pollution in regard to the
Construction, Modification, Relocation, Administrative Update and
Operation of Oil and Natural Gas Production Facilities
Located at the Well Site

The permittee identified at the facility listed below is authorized to construct the stationary sources of air pollutants identified herein in accordance with all terms and conditions of General Permit G70-A.

G70-A189

Issued to:
Ascent Resources – Marcellus, LLC
Hoyt 401
103-00051

William F. Durham
Director

Issued: December 31, 2015

This Class II General Permit Registration will supersede and replace R13-2992B.

Facility Location:	Near Wileyville, Wetzel County, West Virginia
Mailing Address:	301 NW 63rd Street Oklahoma City, OK 73116
Facility Description:	Natural-Gas Production Facility
NAICS Codes:	211111
UTM Coordinates:	531.104 km Easting • 4,383.692 km Northing • Zone 17
Latitude/Longitude:	39.60223/-80.64115
Permit Type:	Modification
Desc. of Change:	The Hoyt 401 natural gas production site will remove the existing vapor recovery unit (VRU) and increase the flare operating hours from 450 to 8,760 hours. Fluid throughputs are updated to reflect recent production records.

Subject to 40CFR60, Subpart OOOO? Yes

Subject to 40CFR60, Subpart JJJJ? No

Subject to 40CFR63, Subpart ZZZZ? No

Subject to 40CFR63, Subpart HH? No

Any person whose interest may be affected, including, but not necessarily limited to, the applicant and any person who participated in the public comment process, by a permit or registration issued, modified or denied by the Secretary may appeal such action of the Secretary to the Air Quality Board pursuant to article one [§§ 22B-1-1 et seq.], Chapter 22B of the Code of West Virginia. West Virginia Code §22-5-14.

The source is not subject to 45CSR30.

Permit Section Applicability for the Registrant

All registered facilities under General Permit G70-A are subject to Sections 1.0, 2.0, 3.0, and 4.0 of General Permit G70-A.

The following additional sections of General Permit G70-A apply to the registrant:

Section 5	Natural Gas Well Affected Facility	☒
Section 6	Storage Vessels*	☒
Section 7	Gas Production Units, In-Line Heaters, Heater Treaters, and Glycol Dehydration Reboilers	☒
Section 8	Pneumatic Controllers Affected Facility (NSPS, Subpart OOOO)	☐
Section 9	*Reserved*	☐
Section 10	Natural Gas-Fired Compressor Engine (s) (RICE)**	☐
Section 11	Tank Truck Loading Facility***	☒
Section 12	Standards of Performance for Storage Vessel Affected Facilities (NSPS, Subpart OOOO)	☐
Section 13	Standards of Performance for Stationary Spark Ignition Internal Combustion Engines (NSPS, Subpart JJJJ)	☐
Section 14	Control Devices not subject to NSPS, Subpart OOOO	☒
Section 15	National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (40CFR63, Subpart ZZZZ)	☐
Section 16	Glycol Dehydration Units	☐
Section 17	Dehydration Units With Exemption from NESHAP Standard, Subpart HH § 63.764(d) (40CFR63, Subpart HH)	☐
Section 18	Dehydration Units Subject to NESHAP Standard, Subpart HH and Not Located Within an UA/UC (40CFR63, Subpart HH)	☐
Section 19	Dehydration Units Subject to NESHAP Standard, Subpart HH and Located Within an UA/UC (40CFR63, Subpart HH)	☐

* The registrant may also be subject to the applicable control device requirements of Section 12 if the registrant is subject to the NSPS, Subpart OOOO control requirements or may be subject to the control device requirements of Section 14.

** The registrant may also be subject to the applicable RICE requirements of Section 13 and/or Section 15.

*** The registrant may also be subject to the applicable control device requirements of Section 14.

1.0 Emission Units Table

Emission Unit ID	Emission Point ID	Emission Unit Description (Mfg., Model, Serial No., Engine type 2SLB, 4SLB, 4SRB, etc.)	Control Device ID	Year Installed / Modified	Max. Design Capacity	Design Capacity Unit of Measure	G70-A Applicable Sections
S01-S06	E01-E06	Six (6) GPU Burners	NA	2013	1.50 (Each)	mmBTU/hr	7
S07-S08	E07-E08	Two (2) Condensate Heaters	NA	2013	0.75 (Each)	mmBTU/hr	7
S09-S10	E21	Two (2) Condensate Tanks	C01	2013	178	bbl	6
S11-S18	E21	Eight (8) Produced Water Tanks	C01	2013	210	bbl	6
S19	E19/E21	Condensate Truck Loading	C01	2013	6	bbl/day	11
S20	E20/E21	Produced Water Truck Loading	C01	2013	138	bbl/day	11

Control Devices (If applicable)						
Control Device ID	Control Efficiency %	Control Device Description (Mfg, Model)	Year Installed / Modified	Max. Design Capacity	Design Capacity Unit of Measure	G-70A Applicable Sections
C01	98%	Hero Flare G30U4	2013	20.83	mmBTU/hr	14

Emission Reduction Systems	Yes or No	G-70A Applicable Sections
Was a vapor recovery system (VRU) used to determine emission limits?	No	--
Was a low pressure tower(s) used to determine emission limits?	No	--

2.0 Oil and Natural Gas Wells Table

API number	API number	API number
47-103-026350000	47-103-026400000	
47-103-026360000		
47-103-026370000		
47-103-026380000		
47-103-026390000		

3.0 Emission Limitations

Unit ID	Unit Description	Pollutant	lb/hr	TPY
S01-S06	Six (6) GPU Burners 1.5 mmBTU/hr	VOC	0.04	0.18
		NOx	0.72	3.06
		CO	0.60	2.58
S07-S08	Two (2) Condensate Heaters 0.75 mmBTU/hr	VOC	<0.01	0.02
		NOx	0.12	0.56
		CO	0.10	0.42
S09-S10	Two (2) Condensate Tanks	VOC	0.06	0.25
S11-S18	Eight (2) Produced Water Tanks	VOC	0.01	0.06
S21	Hero Flare G30U4	VOC	0.16	0.70
		NOx	1.62	7.11
		CO	1.36	5.97

4.0 Throughput Limitations

Throughput limits are on a 12-month rolling total basis.

Emission Unit ID	Emission Point ID	Emission Unit Description	Annual Throughput Limit
S19	E19/E21	Condensate Truck Loading	91,250 gal/year
S20	E20/E21	Produced Water Truck Loading	2,115,550 gal/year