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west virginia department of environmental protection

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Office of Oil and Gas  
601 57<sup>th</sup> Street, S.E.  
Charleston, WV 25304  
(304) 926-0450  
fax: (304) 926-0452

Jim Justice , Governor  
Austin Caperton , Cabinet Secretary  
www.dep.wv.gov

Thursday, July 27, 2017  
WELL WORK PERMIT  
Vertical / Plugging

ASCENT RESOURCES-MARCELLUS, LLC  
3501 NW 63RD STREET

OKLAHOMA CITY, OK 73116

Re: Permit approval for 1  
47-095-01276-00-00

This well work permit is evidence of permission granted to perform the specified well work at the location described on the attached pages and located on the attached plat, subject to the provisions of Chapter 22 of the West Virginia Code of 1931, as amended, and all rules and regulations promulgated thereunder, and to any additional specific conditions and provisions outlined in the pages attached hereto. Notification shall be given by the operator to the Oil and Gas Inspector at least 24 hours prior to the construction of roads, locations, and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing. Spills or emergency discharges must be promptly reported by the operator to 1-800-642-3074 and to the Oil and Gas Inspector.

Please be advised that form WR-35, Well Operators Report of Well Work is to be submitted to this office within 90 days of completion of permitted well work, as should form WR-34 Discharge Monitoring Report within 30 days of discharge of pits, if applicable. Failure to abide by all statutory and regulatory provisions governing all duties and operations hereunder may result in suspension or revocation of this permit and, in addition, may result in civil and/or criminal penalties being imposed upon the operators.

Per 35 CSR 4-5.2.g this permit will expire in two (2) years from the issue date unless permitted well work is commenced. If there are any questions, please feel free to contact me at (304) 926- 0450.

James A. Martin  
Chief

Operator's Well Number: 1  
Farm Name: HUTSON, M. E.  
U.S. WELL NUMBER: 47-095-01276-00-00  
Vertical / Plugging  
Date Issued: 7/27/2017

Promoting a healthy environment.

07/28/2017

## PERMIT CONDITIONS

West Virginia Code §22-6-11 allows the Office of Oil and Gas to place specific conditions upon this permit. Permit conditions have the same effect as law. Failure to adhere to the specified permit conditions may result in enforcement action.

### CONDITIONS

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1. All pits must be lined with a minimum of 20 mil thickness synthetic liner.
2. In the event of an accident or explosion causing loss of life or serious personal injury in or about the well or while working on the well, the well operator or its contractor shall give notice, stating the particulars of the accident or explosion, to the oil and gas inspector and the Chief within twenty-four (24) hours.
3. Well work activities shall not constitute a hazard to the safety of persons.
4. This well is under a consent order and must be plugged under the terms of that agreement.

9501276P

WW-4B  
Rev. 2/01

1) Date 7/5, 2017  
2) Operator's  
Well No. HUTSON, ME #1  
3) API Well No. 47-095 - 01276

STATE OF WEST VIRGINIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
OFFICE OF OIL AND GAS

APPLICATION FOR A PERMIT TO PLUG AND ABANDON

4) Well Type: Oil X / Gas \_\_\_ / Liquid injection \_\_\_ / Waste disposal \_\_\_ /  
(If "Gas, Production \_\_\_ or Underground storage \_\_\_) Deep \_\_\_ / Shallow \_\_\_

5) Location: Elevation 760' Watershed Fishing Creek  
District Ellsworth County Tyler Quadrangle Pine Grove

6) Well Operator Ascent Resources - Marcellus 7) Designated Agent Eric Gillespie  
Address 3501 NW 63rd Address 100 Star Ave. Suite 120  
Oklahoma City, OK 73116 Parkersburg, WV 26101

8) Oil and Gas Inspector to be notified Name Derek Haught  
Address P.O. Box 85  
Smithville, WV 26178  
9) Plugging Contractor Name PERKINS SUPPLY INC  
Address 2966 NORTHWEST TPKE  
PENNSBORO, WV 26415

10) Work Order: The work order for the manner of plugging this well is as follows:  
**See attached plugging procedure.**

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Office of Oil and Gas  
JUL 7 2017  
WV Department of  
Environmental Protection

OK gmm

Notification must be given to the district oil and gas inspector 24 hours before permitted work can commence.

Work order approved by inspector \_\_\_\_\_ Date \_\_\_\_\_

07/28/2017

**Hutson, ME 1**

API No 47-103-01013

	Casing	
Surface	8 - 1/4	896'
Production	5 - 3/16	2375'
Liner	3 - 1/2	2375'

TD 2997

ELEV. 760'

Pull tubular's, free point liner and production casing. Back off, rip/cut, or perforate casing as direct by state inspector. RIH w/ work string, pump Gel 6% spacer between cement plugs. Set cement plugs as followed.

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- Plug 1; 2940' - 2840'
- Plug 2; 2425' - 2325'
- Plug 3; 50' in and 50' out of production casing stub
- Plug 4; 974' - 846'
- Plug 5; 100' - surface

• PLUG @ 700' TO 600'.

Clean up location. Erect monument with API No

Tagged cement tops  
Gel spacer is fresh water containing at less 6% of Bentonite clay by weight.  
Cement plugs are Class A cement

F.O.S. P.S.A.M.		Lease No. 14092	Acres 17	Farm Name MARY E. HUTSON	Well No. 1
N. 1-2 S.	E. 5 W.	Location Made		Purchased From	
Co. District	McElroy	Date Completed		Date Purchased	
County	Tyler	Drig. Commenced 5/18/97		Sold To	
State	W. Va.	Drig. Completed 11/8/97		Date Sold	
Oil Right Owned By		Drig. Contractor E. J. McMahon		Date Abandoned	

Kind	Top	Bottom	Steel Line Measurement	Tests	Size	Casing Record	
						Bottom Casing (Steel Line)	Foot to Wall (Tally Measure)
Pgh. Coal	924				Cased	12	Date
					10	845	Steel Casing
					8 1/2	1526	Top
Big Imjux	2250	2470			6 5/8	1771	Flat
					5 3/16	2375	
Stray Sand	2959	2979			3 1/2	2375	
					4 1/2 x 4 1/2	537	

PACKERS AND SHOES	
Kind	Size
Heavy Wall GATE PACKER	53/12 1/2

TORPEDO RECORD				
Date	Size	Depth Set	Bottom	
1/26/99	40			
2/21/05	60	2988		
5/1/12	120	2989		

DRILLING DEEPER			
Commenced	Completed	Final Depth	Control

ABANDONMENT RECORD			
Filed With	From	To	Size

Initial Prod.	Sand	# At Completion	# 30 Days After	#
Oil		77%		
Gas				

APPROVED \_\_\_\_\_

Oil is Sampled per W. M. Co. Pl.

TESTS, REPORTS AND REMARKS ON REVERSE



Select County: (095) Tyler  (Check All)  
 Enter Permit #: 01276  
 Location  Production  Plugging  
 Owner/Completion  Stratigraphy  Sample  
 Pay/Show/Water  Logs  Btm Hole Loc

- [Table Descriptions](#)
- [County Code Translations](#)
- [Permit-Numbering Series](#)
- [Usage Notes](#)
- [Contact Information](#)
- [Disclaimer](#)
- [WVGES Main](#)
- ["Pipeline-Plus" New](#)

WV Geological & Economic Survey:

Well: County = 95 Permit = 01276

Report Time: Monday, July 17, 2017 2:55:55 PM

Location Information: [View Map](#)

API	COUNTY	PERMIT	TAX_DISTRICT	QUAD_75	QUAD_15	LAT_DD	LON_DD	UTME	UTMN
4709501276	Tyler	1276	unknown	unknown	unknown				

There is no Bottom Hole Location data for this well

There is no Owner/Completion data for this well

There is no Owner/Completion data for this well

There is no Pay data for this well

Production Gas Information: (Volumes in Mcf)

API	PRODUCING_OPERATOR	PRD_YEAR	ANN_GAS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DCM
4709501276	Pennzoil Products Company	1989	3,893	242	427	221	236	221	367	433	254	352	393	288	459
4709501276	Pennzoil Products Company	1990	3,307	435	0	343	339	227	449	295	207	0	246	305	461
4709501276	Pennzoil Products Company	1991	2,702	289	402	195	186	110	237	0	29	71	450	430	303
4709501276	Pennzoil Products Company	1992	2,533	312	67	0	0	178	219	217	294	351	271	251	373
4709501276	Pennzoil Products Company	1993	215	215	0	0	0	0	0	0	0	0	0	0	0
4709501276	Pennzoil Products Company	1994	452	0	0	0	0	77	177	128	0	1	27	0	42
4709501276	Pennzoil Products Company	1995	145	75	70	0	0	0	0	0	0	0	0	0	0
4709501276	Pennzoil Products Company	1996	0	0	0	0	0	0	0	0	0	0	0	0	0
4709501276	Pennzoil Products Company	1997	245	0	0	245	0	0	0	0	0	0	0	0	0
4709501276	Pennzoil Products Company	1998	139	14	14	7	6	6	8	31	7	9	6	10	21
4709501276	Pennzoil Products Company	1999	524	10	8	0	21	46	38	13	65	86	71	66	100
4709501276	East Resources, Inc.	2000	1,215	108	101	108	164	153	139	130	110	40	47	49	66
4709501276	East Resources, Inc.	2001	917	26	37	50	71	95	89	95	98	121	112	94	29
4709501276	East Resources, Inc.	2002	1,235	59	50	71	91	110	61	147	104	160	173	128	81
4709501276	East Resources, Inc.	2003	1,123	156	154	187	137	97	283	0	0	0	0	0	109
4709501276	East Resources, Inc.	2004	608	0	0	0	0	0	0	0	0	0	312	296	0
4709501276	East Resources, Inc.	2005	3,122	240	219	190	281	299	311	318	327	317	281	129	210
4709501276	East Resources, Inc.	2006	3,039	262	213	310	282	352	341	275	222	173	111	210	288
4709501276	East Resources, Inc.	2007	3,909	247	155	279	331	377	379	377	417	380	354	329	284
4709501276	East Resources, Inc.	2008	3,218	285	280	302	284	273	280	270	224	244	321	302	153
4709501276	East Resources, Inc.	2010	73	16	15	23	19	0	0	0	0	0	0	0	0
4709501276	East Resources, Inc.	2011	0	0	0	0	0	0	0	0	0	0	0	0	0
4709501276	HG Energy, LLC	2012	0	0	0	0	0	0	0	0	0	0	0	0	0
4709501276	HG Energy, LLC	2013	0	0	0	0	0	0	0	0	0	0	0	0	0
4709501276	HG Energy, LLC	2014	0	0	0	0	0	0	0	0	0	0	0	0	0
4709501276	Ascent Resources-Marcellus LLC	2015	0	0	0	0	0	0	0	0	0	0	0	0	0

Production Oil Information: (Volumes in Bbl) \*\* some operators may have reported NGL under Oil

API	PRODUCING_OPERATOR	PRD_YEAR	ANN_OIL	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DCM
4709501276	Pennzoil Products Company	1989	253	19	20	27	21	23	20	18	24	19	18	24	20
4709501276	Pennzoil Products Company	1990	223	22	22	17	19	20	19	0	20	20	27	19	18
4709501276	Pennzoil Products Company	1991	249	25	20	20	23	14	9	15	29	23	22	26	23
4709501276	Pennzoil Products Company	1992	234	27	25	22	17	24	23	29	13	11	31	12	0
4709501276	Pennzoil Products Company	1993	0	0	0	0	0	0	0	0	0	0	0	0	0
4709501276	Pennzoil Products Company	1994	184	0	0	19	22	20	15	18	20	26	10	11	23
4709501276	Pennzoil Products Company	1995	0	0	0	0	0	0	0	0	0	0	0	0	0
4709501276	Pennzoil Products Company	1996	2,674	0	0	0	0	0	0	111	414	588	717	476	368
4709501276	Pennzoil Products Company	1997	3,104	379	329	367	342	382	428	453	101	82	80	77	84
4709501276	Pennzoil Products Company	1998	1,024	67	81	67	84	82	85	72	62	91	105	110	118
4709501276	Pennzoil Products Company	1999	2,586	123	110	166	180	561	492	157	146	165	163	163	160
4709501276	East Resources, Inc.	2000	1,557	160	149	159	161	163	131	132	96	94	103	97	112
4709501276	East Resources, Inc.	2001	1,248	106	98	102	106	106	94	101	102	106	107	109	111
4709501276	East Resources, Inc.	2002	1,284	106	99	130	139	143	76	117	113	94	84	97	86
4709501276	East Resources, Inc.	2003	373	89	73	77	36	25	73	0	0	0	0	0	0
4709501276	East Resources, Inc.	2004	0	0	0	0	0	0	0	0	0	0	0	0	0
4709501276	East Resources, Inc.	2005	0	0	0	0	0	0	0	0	0	0	0	0	0
4709501276	East Resources, Inc.	2006	6,864	212	901	961	1,403	1,327	741	0	0	0	0	621	698
4709501276	East Resources, Inc.	2007	9,791	193	325	0	1,140	1,357	1,276	1,342	1,017	976	968	75	1,122
4709501276	East Resources, Inc.	2008	1,251	0	472	687	0	0	0	92	0	0	0	0	0
4709501276	East Resources, Inc.	2010	219	0	0	0	0	0	0	0	0	0	219	0	0
4709501276	East Resources, Inc.	2011	0	0	0	0	0	0	0	0	0	0	0	0	0
4709501276	HG Energy, LLC	2012	0	0	0	0	0	0	0	0	0	0	0	0	0
4709501276	HG Energy, LLC	2013	0	0	0	0	0	0	0	0	0	0	0	0	0
4709501276	HG Energy, LLC	2014	0	0	0	0	0	0	0	0	0	0	0	0	0
4709501276	Ascent Resources-Marcellus LLC	2015	0	0	0	0	0	0	0	0	0	0	0	0	0

Production NGL Information: (Volumes in Bbl) \*\* some operators may have reported NGL under Oil

API	PRODUCING_OPERATOR	PRD_YEAR	ANN_NGL	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DCM
4709501276	HG Energy, LLC	2013	0	0	0	0	0	0	0	0	0	0	0	0	0
4709501276	HG Energy, LLC	2014	0	0	0	0	0	0	0	0	0	0	0	0	0
4709501276	Ascent Resources-Marcellus LLC	2015	0	0	0	0	0	0	0	0	0	0	0	0	0

07/28/2017

WW-4A  
Revised 6-07

1) Date: 7/5/2017  
2) Operator's Well Number  
HUTSON, M E #1

3) API Well No.: 47 - 095 - 01276

**STATE OF WEST VIRGINIA**  
**DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS**  
**NOTICE OF APPLICATION TO PLUG AND ABANDON A WELL**

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Office of Oil and Gas

4) Surface Owner(s) to be served:  
(a) Name Opal Carol Tallman  
Address 2594 Elk Fork Road  
Middlebourne, WV 26149  
(b) Name \_\_\_\_\_  
Address \_\_\_\_\_  
(c) Name \_\_\_\_\_  
Address \_\_\_\_\_  
6) Inspector Derek Haught  
Address P.O. Box 85  
Smithville, WV 26178  
Telephone 304-206-7613

5) (a) Coal Operator  
Name N/A  
Address \_\_\_\_\_  
(b) Coal Owner(s) with Declaration  
Name \_\_\_\_\_  
Address \_\_\_\_\_  
(c) Coal Lessee with Declaration  
Name \_\_\_\_\_  
Address \_\_\_\_\_

JUL 7 2017  
WV Department of  
Environmental Protection

**TO THE PERSONS NAMED ABOVE:** You should have received this Form and the following documents:

- (1) The application to Plug and Abandon a Well on Form WW-4B, which sets out the parties involved in the work and describes the well its and the plugging work order; and
- (2) The plat (surveyor's map) showing the well location on Form WW-6.

The reason you received these documents is that you have rights regarding the application which are summarized in the instructions on the reverses side. However, you are not required to take any action at all.

Take notice that under Chapter 22-6 of the West Virginia Code, the undersigned well operator proposes to file or has filed this Notice and Application and accompanying documents for a permit to plug and abandon a well with the Chief of the Office of Oil and Gas, West Virginia Department of Environmental Protection, with respect to the well at the location described on the attached Application and depicted on the attached Form WW-6. Copies of this Notice, the Application, and the plat have been mailed by registered or certified mail or delivered by hand to the person(s) named above (or by publication in certain circumstances) on or before the day of mailing or delivery to the Chief.



Well Operator Ascent Resources - Marcellus LLC  
By: Trent L Carroll  
Its: Senior Regulatory Analyst  
Address 3501 NW 63rd  
Oklahoma City, OK 73116  
Telephone 405-252-7721

Subscribed and sworn before me this 5 day of July, 2017  
[Signature] Notary Public

My Commission Expires 1/23/18

**Oil and Gas Privacy Notice**

The Office of Oil and Gas processes your personal information, such as name, address and phone number, as a part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use of your personal information, please contact DEP's Chief Privacy Officer at [depprivacyofficer@wv.gov](mailto:depprivacyofficer@wv.gov).

9501276P

WW-9  
(5/16)

API Number 47 - 095 - 01276  
Operator's Well No. Hutson, ME #1

STATE OF WEST VIRGINIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
OFFICE OF OIL AND GAS  
FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name Ascent Resources - Marcellus, LLC OP Code 494514693  
Watershed (HUC 10) Fishing Creek Quadrangle Pine Grove

Do you anticipate using more than 5,000 bbls of water to complete the proposed well work? Yes  No

Will a pit be used? Yes  No  ANY WELL EFFLUENT MUST BE CONTAINED IN TANKS AND DISPOSED OF OFF-SITE, PROPERLY. JMM

If so, please describe anticipated pit waste: \_\_\_\_\_  
Office of Oil and Gas

Will a synthetic liner be used in the pit? Yes  No  If so, what ml.? \_\_\_\_\_

Proposed Disposal Method For Treated Pit Wastes:

- Land Application (if selected provide a completed form WW-9-GPP)
- Underground Injection ( UIC Permit Number \_\_\_\_\_)
- Reuse (at API Number \_\_\_\_\_)
- Off Site Disposal (Supply form WW-9 for disposal location)
- Other (Explain \_\_\_\_\_)

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Will closed loop system be used? If so, describe: N/A

Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater, oil based, etc. N/A

-If oil based, what type? Synthetic, petroleum, etc. N/A

Additives to be used in drilling medium? N/A

Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. N/A

-If left in pit and plan to solidify what medium will be used? (cement, lime, sawdust) N/A

-Landfill or offsite name/permit number? N/A

Permittee shall provide written notice to the Office of Oil and Gas of any load of drill cuttings or associated waste rejected at any West Virginia solid waste facility. The notice shall be provided within 24 hours of rejection and the permittee shall also disclose where it was properly disposed.

I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on April 1, 2016, by the Office of Oil and Gas of the West Virginia Department of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations of any term or condition of the general permit and/or other applicable law or regulation can lead to enforcement action.

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments thereto and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment.

Company Official Signature *Trent L. Carroll*

Company Official (Typed Name) Trent L. Carroll

Company Official Title Sr. Regulatory Analyst

Subscribed and sworn before me this 5 day of July, 2017

*Amber Kollock*

Notary Public

My commission expires 1/23/18



07/28/2017

Proposed Revegetation Treatment: Acres Disturbed 0.7 Prevegetation pH \_\_\_\_\_

Lime 2 Tons/acre or to correct to pH 6.5

Fertilizer type 10-20-20

Fertilizer amount 500 lbs/acre

Mulch Straw Tons/acre

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JUL 7 2017

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Seed Mixtures

**Temporary**

**Permanent**

Seed Type	lbs/acre
Tall Fescue	40

Ladino Clover	5
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Seed Type	lbs/acre
Tall Fescue	40

Ladino Clover	5
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Attach:

Maps(s) of road, location, pit and proposed area for land application (unless engineered plans including this info have been provided). If water from the pit will be land applied, provide water volume, include dimensions (L, W, D) of the pit, and dimensions (L, W), and area in acres, of the land application area.

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: \_\_\_\_\_

Comments: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

OK  
gwm

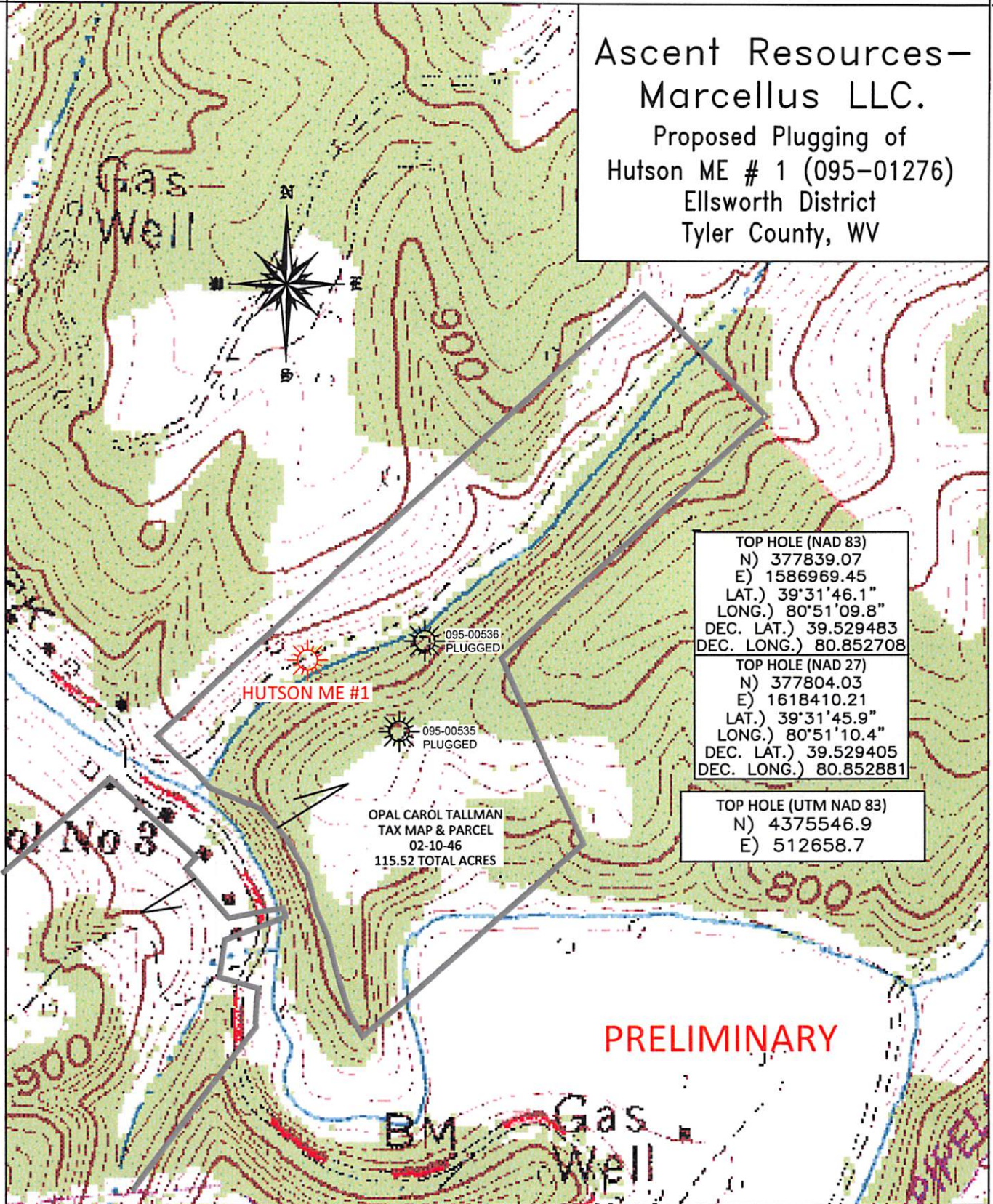
Title: \_\_\_\_\_ Date: \_\_\_\_\_

Field Reviewed? ( ) Yes ( ) No



# Ascent Resources— Marcellus LLC.

Proposed Plugging of  
Hutson ME # 1 (095-01276)  
Ellsworth District  
Tyler County, WV



TOP HOLE (NAD 83)  
 N) 377839.07  
 E) 1586969.45  
 LAT.) 39°31'46.1"  
 LONG.) 80°51'09.8"  
 DEC. LAT.) 39.529483  
 DEC. LONG.) 80.852708

TOP HOLE (NAD 27)  
 N) 377804.03  
 E) 1618410.21  
 LAT.) 39°31'45.9"  
 LONG.) 80°51'10.4"  
 DEC. LAT.) 39.529405  
 DEC. LONG.) 80.852881

TOP HOLE (UTM NAD 83)  
 N) 4375546.9  
 E) 512658.7

HUTSON ME #1

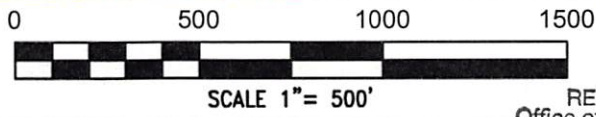
095-00536  
PLUGGED

095-00535  
PLUGGED

OPAL CAROL TALLMAN  
TAX MAP & PARCEL  
02-10-46  
115.52 TOTAL ACRES

PRELIMINARY

BOORD, BENCHEK and ASSOC., INC.  
 Engineering, Surveying, Construction,  
 and Mining Services  
 Southpointe, PA 15317 Phone: 724-746-1055



JUNE 14, 2017

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Office of Oil and Gas

JUL 7 2017 07/28/2017

JUL 18 2017

WV Department of  
Environmental Protection  
WW-7  
8-30-06



West Virginia Department of Environmental Protection  
Office of Oil and Gas  
WELL LOCATION FORM: GPS

API: 47-095-01276 WELL NO.: 1  
FARM NAME: Hutson, M E  
RESPONSIBLE PARTY NAME: Ascent Resources - Marcellus LLC  
COUNTY: Tyler DISTRICT: Ellsworth  
QUADRANGLE: Pine Grove 7.5  
SURFACE OWNER: Opal Carol Tallman  
ROYALTY OWNER: Ascent Resources - Marcellus LLC  
UTM GPS NORTHING: 4375546.9  
UTM GPS EASTING: 512658.7 GPS ELEVATION: 760'

The Responsible Party named above has chosen to submit GPS coordinates in lieu of preparing a new well location plat for a plugging permit or assigned API number on the above well. The Office of Oil and Gas will not accept GPS coordinates that do not meet the following requirements:

- Datum: NAD 1983, Zone: 17 North, Coordinate Units: meters, Altitude: height above mean sea level (MSL) – meters.
- Accuracy to Datum – 3.05 meters
- Data Collection Method:  
Survey grade GPS  : Post Processed Differential   
Real-Time Differential   
Mapping Grade GPS  : Post Processed Differential   
Real-Time Differential

4. Letter size copy of the topography map showing the well location.

I the undersigned, hereby certify this data is correct to the best of my knowledge and belief and shows all the information required by law and the regulations issued and prescribed by the Office of Oil and Gas.

[Signature] Sr. Regulatory Analyst 7/5/2017  
Signature Title Date