DODDRIDGE COUNTY FLOODPLAIN DEVELOPMENT PERMIT APPLICATION

SECTION 1: GENERAL PROVISIONS (APPLICANT TO READ AND SIGN)

- 1. No work may start until a permit is issued.
- 2. The permit may be revoked if any false statements are made herein.
- 3. If revoked, all work must cease until permit is re-issued.
- **4.** Development shall not be used or occupied until a Certificate of Compliance is issued.
- 5. The permit will expire if no work is commenced within six months of issuance.
- **6.** Applicant is hereby informed that other permits may be required to fulfill local, state, and federal requirements.
- 7. Applicant hereby gives consent to the Floodplain Administrator/Manager or his/her representative to make inspections to verify compliance.
- 8. I, THE APPLICANT CERTIFY THAT ALL STATEMENTS HEREIN AND IN ATTACHMENTS TO THIS APPLICATION ARE, TO THE BEST OF MY KNOWLEDGE, TRUE AND ACCURATE.

APPLICANT'S SIGNATURE	W. dule	Y
	2/17/14	·

SECTION 2: PROPOSE DEVELOPMENT (TO BE COMPLETED BY APPLICANT).

IF THE APPLICANT IS NOT A NATURAL PERSON, THE NAME, ADDRESS, AND TELEPHONE NUMBER OF A NATURAL PERSON WHO SHALL BE APPOINTED BY THE APPLICANT TO RECEIVE NOTICE PURSUANT TO ANY PROVISION OF THE CURRENT DODDRIDGE COUNTY FLOODPLAIN ORDINANCE.

APPLICANT'S NAME:	ward	Mc Nei	MY	
ADDRESS: 1625 17th Street	, Denver, CO 80	202		
TELEPHONE NUMBER:	Contact Shauna I	DeMattee: 303	-357-6820	

BUILDER'S NAME: Antero Resources Corporation
ADDRESS: 1625 17th Street, Denver, CO 80202
TELEPHONE NUMBER: (303) 357-7310
ENGINEER'S NAME: Navitus Eng Inc
ADDRESS: 151 Windy Hill Lane, Winchester, Virginia 22602
TELEHONE NUMBER: 888-662-4185
PROJECT LOCATION:
NAME OF SURFACE OWNER/OWNERS (IF NOT THE APPLICANT)Please see attachment
ADDRESS OF SURFACE OWNER/OWNERS (IF NOT THE APPLICANT) Please see attachment
DISTRICT:_Grant
DATE/FROM WHOM PROPERTY PURCHASED: N/A
LAND BOOK DESCRIPTION:
DEED DOOV DEFERRIAD.
TAX MAP REFERENCE: Tax Map 5/Parcel 12; Tax Map 5/Parcel 7
EXISTING BUILDINGS/USES OF PROPERTY: N/A
NAME OF AT LEAST ONE ADULT RESIDING IN EACH RESIDENCE LOCATED UPON THE SUBJECT PROPERTY
ADDRESS OF AT LEAST ONE ADULT RESIDING IN EACH RESIDENCE LOCATED UPON THE SUBJECT PROPERTY

To avoid delay in processing the application, please provide enough information to easily identify the project location.

DESCRIPTION OF WORK (CHECK ALL APPLICABLE BOXES) A. STRUCTURAL DEVELOPMENT

ACTIVITY **STRUCTURAL TYPE** New Structure Residential (1 – 4 Family) \prod Addition Residential (more than 4 Family) Π Alteration Non-residential (floodproofing) []Relocation Π Combined Use (res. & com.) Demolition Π Replacement П Manufactured/Mobil Home **OTHER DEVEOPLMENT ACTIVITIES:** В. Fill Mining Χ Drilling **Pipelining** Grading Excavation (except for STRUCTURAL DEVELOPMENT checked above) Π Watercourse Altercation (including dredging and channel modification) [] Drainage Improvements (including culvert work) Π Road, Street, or Bridge Construction Subdivision (including new expansion)

C. STANDARD SITE PLAN OR SKETCH

Individual Water or Sewer System

Other (please specify)

- 1. SUBMIT ALL STANDARD SITE PLANS, IF ANY HAVE BEEN PREPARED.
- 2. IF STANDARD SITE PLANS HAVE NOT BEEN PREPARED:

 SKETCH ON A SEPARATE 8 ½ X 11 INCH SHEET OF PAPER THE SHAPE AND LOCATION OF THE LOT. SHOW THE LOCATION OF THE INTENDED CONSTRUCTION OR LAND USE INDICATING BUILDING SETBACKS, SIZE & HEIGHT. IDENTIFY EXISTING BUILDINGS, STRUCTURES OR LAND USES ON THE PROPERTY.
- 3. SIGN AND DATE THE SKETCH.

ACTUAL TOTAL CONSTRUCTION COSTS OF THE COMPLETE DEVELOPMENT IRRESPECTIVE OF WHETHER ALL OR ANY PART OF THE SUBJECT PROPOSED CONSTRUCTION PROJECT IS WITHIN THE FLOODPLAIN \$ N/A - Location is not within the floodplain

D. ADJACENT AND/OR AFFECTED LANDOWNERS:

1. NAME AND ADDRESS OF ALL OWNERS OF SURFACE TRACTS ADJACENT TO THE AREA OF THE SURFACE TRACT (UP & DOWN STREAM) UPON WHICH THE PROPOSED **ACTIVITY WILL OCCUR AND ALL OTHER SURFACE OWNERS UP & DOWN STREAM)** WHO OWN PROPERTY THAT MAY BE AFFECTED BY FLOODING AS IS DEMONSTRATED BY A FLOODPLAIN STUDY OR SURVEY (IF ONE HAS BEEN COMPLETED). **NAME:** N/A-No properties sharing an NAME:____ ADDRESS: immediate and common boundary up or down stream due to the ADDRESS: —location not being in floodplain NAME:_____ NAME:_____ ADDRESS:____ ADDRESS: 1. NAME AND ADDRESS OF AT LEAST ONE ADULT RESIDING IN EACH RESIDENCE LOCATED UPON ANY ADJACENT PROPERTY AT THE TIME THE FLOODPLAIN PERMIT APPLICATION IS FILED AND THE NAME AND ADDRESS OF AT LEAST ONE ADULT RESIDING IN ANY HOME ON ANY PROPERTY THAT MAY BE AFFECTED BY FLOODING AS IS DEMONSTRATED BY A FLOODPLAIN STUDY OR SURVEY. NAME: N/A NAME:____ ADDRESS:_____ ADDRESS: NAME:_____ NAME:_____ ADDRESS:____ ADDRESS: **CONFIRMATION FORM** THE APPLICANT ACKNOWLEDGES, AGREES, AND CONFIRMS THAT HE/IT WILL PAY WITHIN 30 DAYS OF RECEIPT OF INVOICE BY THE COUNTY FOR ALL EXPENSES RELATIVE TO THE PERMIT APPLICATION PROCESS GREATER THAN THE REQUIRED DEPOSIT FOR EXPENSES **INCLUDING:** (A) PERSONAL SERVICE OF PROCESS BY THE DODDRIDGE COUNTY SHERIFF AT THE RATES PERMITTED BY LAW FOR SUCH SERVICE. (B) SERVICE BY CERTIFIED MAIL RETURN RECEIPT REQUESTED.

E.

(C)

PUBLICATION.

☑ SURFACE OWNER(s)

Name: Denzil C. and Lois Spencer (Camp Misery Trust) c/o Lois Kirkpatrick (Trustee).

Address: Steven R. Spencer (Co-Trustee), Angel Lake (Co-Trustee)

5 Jones Drive, Scott Depot, WV 25560

Name: Steven R. Spencer, Co-Trustee (2nd Address)

Address: 550 Main Road

Granville, MA 01034

	(E) CONSULTANTS AND/OR HEARING EXPERTS UTILIZED BY DODDRIE FLOODPLAIN ADMINISTRATOR/MANAGER OR FLOODPLAIN APPEREVIEW OF MATERIALS AND/OR TESTIMONY REGARDING THE EFF. GRANTING OR DENYING THE APPLICANT'S FLOODPLAIN PERMIT.	ALS BOARD FOR
NAME ((PRINT): Ward Mc Veilly TURE: W. Mula J DATE: 2/1	
SIGNAT	TURE: M. Mulay DATE: 2/1	7/14
After co	ompleting SECTION 2, APPLICANT should submit form to Floodplain strator/Manager or his/her representative for review.	
SECTION Admin	ON 3: FLOODPLAIN DETERMINATION (to be completed by Floonistrator/Manager or his/her representative)	odplain
THE PR	ROPOSED DEVELOPMENT:	
THE PRO	OPOSED DEVELOPMENT IS LOCATED ON:	
FIRM Pa	anel:	
Dated:_		
[] I review i	Is <u>NOT</u> located in a Specific Flood Hazard Area (Notify applicant that the a is complete and NO FLOOPLAIN DEVELOPMENT PERMIT IS REQUIRED).	pplication
[] . 1	ls located in Special Flood Hazard Area.	:
	FIRM zone designation	<u> </u>
	100-Year flood elevation is:	_NGVD (MSL)
[] (Jnavailable	

COURT REPORTING SERVICES AT ANY HEARINGS REQUESTED BY THE APPLICANT.

(D) (E)

[]

Dated_____

The proposed development is located in a floodway.

FBFM Panel No._____

See section 4 for additional instructions.

SIGNED Balph Sunder DATE 3 70-14

SECTION 4: ADDITIONAL INFORMATION REQUIRED (To be completed by Floodplain Administrator/Manager or his/her representative)

The applicant must submit the documents checked below before the application can be processed.

0.	A plan showing the location of all existing structures, water bodies, adjacent roads, lot dimensions and proposed development.
0	Development plans, drawn to scale, and specifications, including where applicable: details for anchoring structures, storage tanks, proposed elevation of lowest floor, (including basement or crawl space), types of water resistant materials used below the first floor, details of flood proffing of utilities located below the first floor and details of enclosures below the first floor. Also
[]	Subdivision or other development plans (If the subdivision or development exceeds 50 lots or 5 acres, whichever is the lesser, the applicant must provide 100-year flood elevations if they are not otherwise available).
[]	Plans showing the extent of watercourse relocation and/or landform alterations.
0	Top of new fill elevationFt. NGVD (MSL). For floodproofing structures applicant must attach certification from registered engineer or architect.
	Certification from a registered engineer that the proposed activity in a regulatory floodway will not result in any increase in the height of the 100-year flood. A copy of all data and calculations supporting this finding must also be submitted.
[]	Manufactured homes located in a floodplain area must have a West Virginia Contractor's License and a Manufactured Home Installation License as required by the Federal Emergency Management Agency (FEMA).

	MIT DETERMINATION (To be completed by Floodplain
Administr	ator/Manager or his/her representative)
provisions o County on N	rmined that the proposed activity (type is or is not) in conformance with the Floodplain Ordinance adopted by the County Commission of Dod May 21, 2013. The permit is issued subject to the conditions attached to this permit.
SIGNED	DATE
with the pro	plain Administrator/Manager found that the above was not in conform ovisions of the Doddridge County Floodplain Ordinance and/or denied the applicant may complete an appealing process below.
APPEALS:	Appealed to the County Commission of Doddridge County? [] Yes {] Hearing Date:
	County Commission Decision - Approved [] Yes [] No
	S:
CONDITIONS	

SECTION 6: AS-BUILT ELEVATIONS (To be submitted by APPLICANT before Certificate of Compliance is issued).

The following information must be provided for project structures. This section must be completed by a registered professional engineer or a licensed land surveyor (or attach a certification to this application).

COMPLETE 1 OR 2 BELOW:

1	Actual (As-Built) Elevation of the top of the lowest floor (including basement or crawl space isFT. NGVD (MSL)
2	Actual (As Built) elevation of floodproofing isFT. NGVD (MSL)
Note:	Any work performed prior to submittal of the above information is at risk of the cant.
SECT	ION 7: COMPLIANCE ACTION (To be completed by the Floodplain
<u>Admi</u>	inistrator/Manager or his/her representative).
as app	oodplain Administrator/Manager or his/her representative will complete this section blicable based on inspection of the project to ensure compliance with the Doddridge y Floodplain Ordinance.
IN	SPECTIONS:
	DATE:BY: DEFICIENCIES ? Y/N
со	MMENTS
SECTIO	ON 8: CERTIFICATE OF COMPLIANCE (To be completed by Floodplain
Admir	nistrator/Manager or his/her representative).
Certific	ate of Compliance issued: DATE:

CERTIFICATE OF COMPLIANCE FOR DEVELOPMENT IN SPECIAL FLOOD HAZARD AREA (OWNER MUST RETAIN)

PERMI PERMI	IT NUMBER:
PURPOSE –	
CONSTRUCTION LOCATION:	
OWNER'S ADDRESS:	
	:
THE FOLLOWING MUST BE COM	PLETED BY THE FLOODPLAIN
ADMINISTRATOR/MANAGER OF	HIS/HER AGENT.
COMPLIANCE IS HERERY C	ERTIFIED WITH THE REQUIREMENT OF THE
FLOODPLAIN ORDINANCE ADOP	TED BY THE COUNTY COMMISSION OF
DODDRIDGE COUNTY ON MAY 2	1, 2013.
CICALED	
SIGNED	DATE

WV Flood Map



Map Created on 1/16/2014



Location of the mouse click



Flood Hazard Zone (1% annual chance floodplain)

User Notes:

Disclaimer:

The online map is for use in administering the National Flood Insurance Program. It does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size. To obtain more detailed information in areas where Base Flood Elevations have been determined, users are encouraged to consult the latest Flood Profile data contained in the official flood insurance study. These studies are available online at www.msc.fema.gov.

WV Flood Tool is supported by FEMA, WV NFIP Office, and WV GIS Technical Center (http://www.MapWV.gov/flood)

Flood Hazard Area: Selected site is NOT WITHIN any identified flood hazard area. Unmapped flood

Anniadian may be proteint.

Elevation: About 1017 feet

Location (long, lat): 80.748849 W, 39.360697 N

Location (UTM 17N): (521637, 4356835) **FEMA Issued Flood Map:** 54017C0130C

Contacts: Doddridge County

CRS Information: No CRS information available

Parcel Number:

LATITUDE: 39.359541 LONGITUDE: -80.750103 (NAD 83) N 4356706.24 E 521529.10 (UTM NAD83, ZONE 17 METERS)

CENTROID OF WELL PAD

LATITUDE: 39.360719 LONGITUDE: -80.748874 (NAD 83) N 4356837.22 E 521634.64 (UTM NAD83, ZONE 17 METERS)

CENTER OF WATER CONTAINMENT TANK

LATITUDE: 39.362174 LONGITUDE: -80.749520 (NAD 83) N 4356998.54 E 521578.49 (UTM NAD83, ZONE 17 METERS)

GENERAL DESCRIPTION

THE ACCESS ROAD(S), WELL PAD, AND WATER CONTAINMENT PAD ARE BEING CONSTRUCTED TO AID IN THE DEVELOPMENT OF INDIVIDUAL MARCELLUS SHALE GAS WELLS.

FLOODPLAIN NOTE

THE PROPOSED SITE IS LOCATED IN FLOODZONE "X" PER FEMA FLOOD MAPS #54017C0110C & #54017C0130C.

MISS UTILITY STATEMENT
ANTERO RESOURCES APPALACHIAN CORPORATION WILL NOTIFY MISS UTILITY OF WEST VIRGINIA FOR THE LOCATING OF UTILITIES PRIOR TO THIS PROJECT DESIGN: TICKET #1309319846. IN ADDITION, MISS UTILITY WILL BE CONTACTED BY THE CONTRACTOR PRIOR TO THE START OF CONSTRUCTION FOR THIS PROJECT.

ENTRANCE PERMIT

ANTERO RESOURCES APPALACHIAN CORPORATION WILL OBTAIN AN ENCROACHMENT PERMIT (FORM MM-109) FROM THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS, PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITIES.

ENVIRONMENTAL NOTES
WETLAND DELINEATIONS WERE PERFORMED FEBRUARY, 2013 & MARCH, 2013 BY POTESTA ENGINEERS AND ENVIRONMENTAL CONSULTANTS TO REVIEW THE SITE FOR WATERS AND WETLANDS THAT ARE MOST LIKELY WITHIN THE REGULATORY PURVIEW OF THE U.S. ARMY CORPS OF ENGINEERS (USACE) AND/OR THE WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION (WVDEP). THE MARCH 11, 2013 FIGURE 3 DELINEATION MAP WAS PREPARED BY POTESTA ENGINEERS AND ENVIRONMENTAL CONSUTLANTS AND SUMMARIZES THE RESULTS OF THE FIELD DELINEATION. THE REPORT DOES NOT, IN ANY WAY, REPRESENT A JURISDICTIONAL DETERMINATION OF THE LANDWARD LIMITS OF WATERS AND WETLANDS WHICH MAY BE REGULATED BY THE USACE OR THE WVDEP. IT IS STRONGLY RECOMMENDED THAT THE AFOREMENTIONED AGENCIES BE CONSULTED IN AN EFFORT TO GAIN WRITTEN CONFIRMATION OF THE DELINEATION SHOWN ON THIS EXHIBIT PRIOR TO ENGAGING CONSTRUCTION ON THE PROPERTY DESCRIBED HEREIN. THE DEVELOPER SHALL OBTAIN THE APPROPRIATE PERMITS FROM THE FEDERAL AND/OR STATE REGULATORY AGENCIES PRIOR TO ANY PROPOSED IMPACTS TO WATERS OF THE U.S., INCLUDING WETLAND FILLS AND STREAM CROSSINGS.

MISERY EPHEMERAL STREAM IMPACT (LINEAR FEET)					
Stream and Impact Cause	Culvert (LF)	Inlets/Outlets Structures (LF)	Const. Disturb to LOD (LF)	Total Impact (LF)	
UNT 4 (Access Road "A")	0	0	160	160	
			Total	160	

PROJECT CONTACTS

ANTERO RESOURCES APPALACHIAN CORPORATION 981 EAST WASHINGTON AVENUE ELLENBORO, WV 26346

PHONE: (304) 869-3405

ELI WAGONER - ENVIRONMENTAL ENGINEER

OFFICE: (304) 622-3842. EXT. 311 CELL: (304) 476-9770

JOHN KAWCAK - OPERATIONS SUPERINTENDENT CELL: (817) 368-1553

AARON KUNZLER - CONSTRUCTION SUPERVISOR

CELL: (405) 227-8344

ANTHONY SMITH - FIELD ENGINEER OFFICE: (304) 869-3405 CELL: (304) 673-6196

RANDAL RANDOLPH - LAND AGENT

CELL: (405) 816-5956

CYRUS S. KUMP. PE - PROJECT MANAGER/ENGINEER

OFFICE: (888) 662-4185 CELL: (540) 686-6747

ENVIRONMENTAL:

POTESTA ENGINEERS AND ENVIRONMENTAL CONSULTANTS TIMOTHY R. FERGUSON M.S. - STAFF SCIENTIST I OFFICE: (304) 342-1400 CELL: (304) 382-8217

- RESTRICTIONS NOTES:

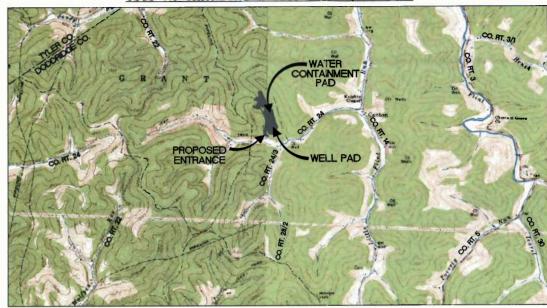
 1. THERE ARE NO PERENNIAL STREAMS, WETLANDS, LAKES, PONDS, OR RESERVOIRS WITHIN 100 FEET OF THE WELL PAD AND LOD.
- 2. THERE ARE NO NATURALLY PRODUCING TROUT STREAMS WITHIN 300 FEET OF THE WELL PAD
- THERE ARE NO GROUNDWATER INTAKE OR PUBLIC WATER SUPPLY FACILITIES WITHIN 1000 FEET OF THE WELL PAD AND LOD.
- THERE ARE NO APPARENT EXISTING WATER WELLS OR DEVELOPED SPRINGS WITHIN 250 FEET OF THE WELL(S) BEING DRILLED.
- THERE IS AN OCCUPIED DWELLING 574 FEET OF THE CENTER OF THE PROPOSED WELL PAD. A DEP WAIVER IS REQUIRED
- THERE ARE NO AGRICULTURAL BUILDINGS LARGER THAN 2,500 SQUARE FEET WITHIN 625 FEET OF THE CENTER OF THE WELL PAD.

MISERY WELL PAD & WATER CONTAINMENT PAD

SITE DESIGN & CONSTRUCTION PLAN, **EROSION & SEDIMENT CONTROL PLANS**

GRANT DISTRICT, DODDRIDGE COUNTY, WEST VIRGINIA LITTLE FLINT RUN WATERSHED

USGS 7.5 SMITHBURG & WEST UNION QUAD MAPS

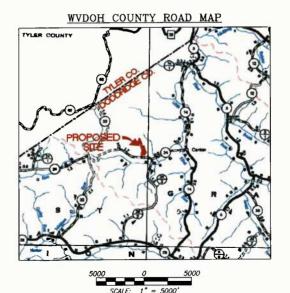




WEST VIRGINIA COUNTY MAP







MISS Utility of West Virginia 1-800-245-4848 West Virginia State Law (Section XIV: Chapter 24-C) Requires that you call two business days before you dig in the state of West Virginia. IT'S THE LAW!!

SHEET INDEX

- 01 COVER SHEET
- 02 CONSTRUCTION AND E&S CONTROL NOTES
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- 04 EXISTING CONDITIONS
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- 09 ACCESS ROAD SECTIONS
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- 13-17 CONSTRUCTIONS DETAILS
- 18 ACCESS ROAD, WATER CONTAINMENT PAD & WELL PAD RECLAMATION PLAN
- 19 STOCKPILE RECLAMATION PLAN

Total Site	
Access Road "A" (1,170')	2.92
Access Road "B" (150')	0.82
Well Pad	5.34
Water Containment Pad	1.60
Excess/Topsoil Material Stockpiles	7.50
Total Affected Area	18.18
Total Wooded Acres Disturbed	16.45
acts to The Denzil C. & Lois Spencer Camp M	isery Trust TA
Access Road "A" (1,170')	2.86
Access Road "B" (150')	0.79
Well Pad	4.16
Water Containment Pad	0.29
Excess/Topsoil Material Stockpiles	3.98
Total Affected Area	12.08
Total Wooded Acres Disturbed	10.34
Impacts to Jordan Family Partnership	TM 5-7
Access Road "A"	0.06
Access Road "B"	0.03
Well Pad	1.18
Water Containment Pad	1.31
Excess/Topsoil Material Stockpiles	3.52
Total Affected Area	6.10
Total Wooded Acres Disturbed	6.11

Proposed Well Hame	WW North HAD 27	NAD 63	Zone 17	NAC 83 Lat & Long
Hardin	N 315890.56	N 315926.18	N 4356829.54	LAT 39-21-38.3374
Unit 2H	E 1646855.39	E 1615414.16	E 521639.26	LONG -80-44-55.7529
Hardin	N 315900.12	N 315935,75	N 4356832.44	LAT 39-21-38.4315
Unit 1H	E 1646852.48	E 1615411.25	E 521638,33	LONG -80-44-55.7917
Anne	N 315909.69	N 315945.32	N 4356835.34	LAT 39-21-38.5257
Unit 2H	E 1646849.58	E 1615408.34	E 521637.39	LONG -80-44-55.8304
Anne	N 315919.26	N 315954.88	N 4356838.24	LAT 39-21-38.6198
Unit 1H	E 1646846.67	E 1615405.43	E 521636.46	LONG -80-44-55.8691
Michelle	N 315928.83	N 315964.45	N 4356841.14	LAT 39-21-38.7140
Unit 2H	E 1646843.76	E 1615402.52	E 521635.52	LONG -80-44-55.9078
Michelle	N 315938.40	N 315974.02	N 4356844 04	LAT 39-21-38.8082
Unit 1H	E 1646840.85	E 1615399.62	E 521634.59	LONG -80-44-55.9465
Arthur	N 315947.96	N 315983.59	N 4356846 94	LAT 39-21-38.9023
Unit 1H	E 1646837.94	E 1615396.71	E 521633.65	LONG -80-44-55.9852
Well Pad Elevation	1,001.0'			

WATER CONTAINMENT GRANT DISTRICT MISERY

Š WELL PAD



DATE: 06/05/2013 SCALE: AS SHOWN SHEET 1 OF 19