

west virginia department of environmental protection

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

Austin Caperton, Cabinet Secretary www.dep.wv.gov

Thursday, January 30, 2020 WELL WORK PLUGGING PERMIT Horizontal 6A Plugging

HG ENERGY II APPALACHIA, LLC 5260 DUPONT ROAD

PARKERSBURG, WV 26101

Re:

Permit approval for NAYS 1209 N-5H

47-033-05938-00-00

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.

Upon completion of the plugging well work, the above named operator will reclaim the site according to the provisions of WV Code 22-6-30. Please be advised that form WR-38, Affidavit of Plugging and Filling Well, 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: NAYS 1209 N-5H

Farm Name: HG ENERGY II APPALACHIA

U.S. WELL NUMBER: 47-033-05938-00-00

Horizontal 6A Plugging

Date Issued: 1/30/2020

Promoting a healthy environment.

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

- 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.

WW-4B Rev. 2/01

1) Date Janua	ry 6		2020
2) Operator			
Well No.	Nays 12	09 N-5H	
3) API Well	No.	47-033	- 05938 P

	DEPARTMENT OF ENVI	EST VIRGINIA RONMENTAL PROTECTION OIL AND GAS	
	APPLICATION FOR A PERM	MIT TO PLUG AND ABANDON	8
4)	Well Type: Oil/ Gas _X _/ Liquid (If "Gas, Production X or Und	d injection / Waste d	isposal/ ep/ Shallow X
5)	Location: Elevation 1007	Watershed Middle West Fork	Creek
	District Union	County Harrison Quadra	the state of the s
6)	Well Operator Address Address HG Energy II Appalachia, LLC 5260 Dupont Road Parkersburg, WV 26187	7) Designated Agent Diane V Address 5260 D Parkers	
8)	Oil and Gas Inspector to be notified	0177	
	Name Sam Ward	9) Plugging Contractor Name *To Be Determine	ned Upon Approval of Permit*
	Address P.O. Box 2327	Address	provide of a confidence
	Buckhannon, WV 26201		The second secon
	** Coo office head also and f	Second A second	
	** See attached sheet f	or plugging manners **	
	GEL => FRESH WATER W		RECEIVED
	OF OB BENTON		Office of Oil and Gas
		gue m	JAN 2 2 2020
			WV Department of Environmental Protection
Notif work	ication must be given to the district oil can commence.	and gas inspector 24 hour	s before permitted

API No 47-033-05938 Farm Nays

Well# 1209 N 5H County Harrison, WV

Cement Plug 3 0-100' 30" Conductor @ 100', Sanded In Class A Cement Plug 2 20" Surface @ 602', TOC @ Surface 500-800' Class A Cement Plug 1230-1330'

PROCEDURE

Class A

- 1 Run Tubing to TD
- 2 Establish Circulation w/ Fresh Water, Load Hole w/ Fresh Water
- 3 Set Cement Plug #1 (Balanced Plug), TOOH
- 4 Tag TOC, Spot Gel from 800-1230', TOOH
- 5 TIH, Set Cement Plug #2 (Balanced Plug), TOOH
- 6 Tag TOC, Spot Gel from 100-500', TOOH
- 7 TIH, Set Cement Plug #3 (Balanced Plug), TOOH
- 8 Install Monument

5 Dev 1/15/2020

17-1/2" Open Hole @ 1330'

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JAN 2 2 2020

WV Department of Environmental Protection

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State of West Virginia Department of Environmental Protection - Office of Oil and Gas Well Operator's Report of Well Work

API 47 - 033 - 05938 County Har	ison	District Union	
Quad West Milford 7.5' Pad Name N	1200	Field/Pool Name	
Farm name Nays		Well Number Nays	
Operator (as registered with the OOG) HG Energy II	ppalachia, LLC		
Address 5260 Dupont Road City	Parkersburg	State WV	Zip 26101
Top hole Northing 4333354.8		ting 548090.7	
Landing Point of Curve Northing Bottom Hole Northing	Eas Eas	ting	
Elevation (ft) 1007 GL Type of We	II ■New □ Existing	Type of Report	Interim E Final
Permit Type □ Deviated □ Horizontal ■ Hori	zontal 6A	Depth Type	Deep Shallow
Type of Operation □ Convert □ Deepen ■ Drill	□ Plug Back □ Redri	lling 🗆 Rework 🗆	Stimulate
Well Type □ Brine Disposal □ CBM ■ Gas □ Oil □	Secondary Recovery 🗆 Se	olution Mining Storage	ge 🗆 Other
Type of Completion □ Single □ Multiple Fluids Pro Drilled with □ Cable ■ Rotary	oduced 🗆 Brine 🗆 Gas	□NGL □Oil □	Other Wasn't completed
Drilling Media Surface hole	ine		Fresh Water □ Brine
Date permit issued11/28/18 Date drilling co Date completion activities began Not completed Verbal plugging (Y/N) Date permission gran	mmenced 3/01/19 Date completion actived	Date drilling ceas rities ceased Granted by	NA
Please note: Operator is required to submit a plugging app.	ication within 5 days of ve	rbal permission to plug	
Freshwater depth(s) fiNA	Open mine(s) (Y/N) de	pths	N
Salt water depth(s) ftNA	Void(s) encountered (Y	6 4 4	N
Coal depth(s) ft NA Is coal being mined in area (Y/N) N	Cavern(s) encountered		N.
Is coal being mined in area (Y/N) N	RECEIN Office of Oil	/ED and Gas	Reviewed by: Spw 1/15/2020

JAN 2 2 2020

WV Department of .Environmental Protection

API 47- 033	05938	Farm nar	_{ne} Nays			W	ell number_N	ays 1209 N	-5H
CASING STRINGS	Hole Size	Casing Size	Depth	New or Used	Grad wt/:	đe	Basket Depth(s)	Did cement	circulate (Y/N letails below*
Conductor	30"	30"	100'	N	1	157.5#	Берш(з)		Drilled in
Surface	26"	20"	602'	N		94#	100 - 100	14-	Y
Coal									***************************************
Intermediate 1							7 7 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
Intermediate 2									
Intermediate 3									· · · · · · · · · · · · · · · · · · ·
Production				***************************************					
Tubing									
Packer type and dep	pth set								
CEMENT DATA	Class/Type of Cement	Number of Sacks	Slurry wt (ppg)		ield	Volume	_,_,_,		woc
Conductor	Drilled In	U. Duono	wr (phg	(π	/SKS)	(ft ²)	Top ()	(UI)	(hrs)
Surface	Class A	1100	15.6	1	.2	1	+		ó
Coal						1			.8
ntermediate 1						-			
ntermediate 2						-			
ntermediate 3						 	-		146
roduction						1			
ubing						†			
Orillers TD (ft) _ Deepest formation of the process]	Loggers TD Plug back to) (ft) <u>N</u>		in the second		
lick off depth (f	t)								5P
heck all wirelin	e logs run		density resistivity	□ deviated			nduction emperature	□sonic	1/1
/ell cored □ Y	es 🛢 No	Conventional	Sidewal	II	W	ere cuttings	collected [Yes m No	
ESCRIBE THE	CENTRALIZE	ER PLACEMENT	USED FOR	EACH CAS					
		······································							
							1		, , , , , , , , , , , , , , , , , , ,
AS WELL CO	MPLETED AS	SHOT HOLE	Yes A No	DET	AILS	Well wasn't con	pleted, drilled throu	gh fresh water to 9	83'
AS WELL CO	MPLETED OPE	EN HOLE?	Yes ≣ No	DETAI	LS				
ERE TRACER		····							

WR-35 Rev. 8/23/13 Page <u>3</u> of <u>5</u>

Rev. 8/23/13									
API 47- 033	05938	Farm na	_{me_} Nays			Wel	l number_N	lays 120	9 N-5H
CASING STRINGS	Hole Size	Casing Size	Depth	New or Used	Grade wt/ft		Basket Depth(s)		nent circulate (Y/N) ide details below*
Conductor	30"	30"	100'	N	15	57.5#			N - Drilled in
Surface	26"	20"	602'	N	9	94#			Υ
Coal									
Intermediate 1									
Intermediate 2									
Intermediate 3									
Production									
Tubing									
Packer type and de	epth set								ař
CEMENT DATA	Class/Type of Cement	Number of Sacks		ry (1	Yield t ³/sks)	Volume (ft ³)		ement	WOC (hrs)
Conductor	Drilled In	Of Busine	1						
Surface	Class A	1100	15.6	6	1.2				8
Coal									
Intermediate 1									
Intermediate 2									
Intermediate 3									
Production									
Tubing									
Plug back pro	tion penetrated cedure			Loggers 7	1 /				
Kick off depth Check all wire	4/5	□ caliper □ neutron	□ density □ resistivity		ted/directi a ray		induction temperature	□soni	С
Well cored	Yes 🖪 No	Convention	nal Side	wall	W	ere cutting	s collected	□ Yes	■ No
DEGORADE TO	THE CIENTING AT Y	TED DI AGENT	NITE LICENS TO	D E A CII C	A CIDIC C	TDDIC			
DESCRIBE T	HE CENTRALI	ZER PLACEME	INT USED FC	JK EACH C	ASING S	TKING _			<u> </u>
WAS WELL O	COMPLETED A	AS SHOT HOLE	□ Yes ■	No D	ETAILS	Well wasn't co	ompleted, drilled	through fresh v	water to 983'
WAS WELL O	COMPLETED (PEN HOLE?	□ Yes ■ N	lo DET	AILS _	:			
WERE TRACE	ERS USED 🛚	Yes No	TYPE OF T	RACER(S)	USED _		Of	RECEIV fice of Oil a	ED and Gas

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API 47- 033 _ 05938	Farm name Nays	_{Well number} Nays 1209 N-5H
API 47- 900 - 00000	Farm name	wen number

PERFORATION RECORD

Stage No.	Perforation date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formation(s)
	Y				
			,		
			2		
	1,07%				** N/A - well wasn't completed **
三 三					
5 8 77 1					
	7. VIII				
of Special					
T ZW- I					
2					

Please insert additional pages as applicable.

STIMULATION INFORMATION PER STAGE

Complete a separate record for each stimulation stage.

Stage No.	Stimulations Date	Ave Pump Rate (BPM)	Ave Treatment Pressure (PSI)	Max Breakdown Pressure (PSI)	ISIP (PSI)	Amount of Proppant (lbs)	Amount of Water (bbls)	Amount of Nitrogen/other (units)
							STEP TEM ST	

				1		11		
						l l		
			*N/A - well not					
				96. 1			,	
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	5 1-							
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Please insert additional pages as applicable.

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WR-35

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Rev. 8/23/13								
API 47- 033	_ 05938	Farm	_{name} Nays			Well number	_r Nays 1209 N-	5H
PRODUCING	FORMATION(<u>S)</u>	<u>DEPTHS</u>					
				TVD		MD		
		_						
Please insert ad	lditional pages a	as applicable.						
GAS TEST	□ Build up □	Drawdown	□ Open Flow	O	IL TEST □ F	low 🗆 Pump)	
SHUT-IN PRE	SSURE Surf	face	_psi Botto	om Hole	psi	DURATION (OF TEST	hrs
OPEN FLOW	Gas mcf		NGL bpd	bpd	Vater bpd	GAS MEASU □ Estimated	JRED BY □ Orifice □ I	Pilot
		D 0 0 0 1	mon	DOMESTON (
LITHOLOGY/ FORMATION	TOP DEPTH IN FT	BOTTOM DEPTH IN ET		BOTTOM DEPTH IN ET	DESCRIBE R	OCK TYPE AND	RECORD QUANTIT	ΓΥAND
TORWINTON	NAME TVD	TVD	MD	MD			TER, BRINE, OIL, GA	
	0		0				find attached	
						36		
					-			
								-
				*				
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							Office	of Oil and Gas
							JAN	2 2 2020
and the second							W/V F	Department of
Please insert ad	lditional pages a	s applicable.					Environn	nental Protection
Drilling Contra	ctor Patterson D	Drilling						
Address 2198 U			City	Lemont Furna	ice	_State _PA	Zip _15456	
Logging Comp	any Schlumberg	ier						
Address 100 Gil		,	City	Sugar Land		State TX	Zip 77478	
	mpany C & J En	ergy Services		Hauston		a. TV	77042	
Address 3990 R	ogerdale		City	Houston		_State	Zip <u>77042</u>	
Stimulating Co.	mpany							
Address						_State	Zip	
Please insert ad	ditional pages a	s applicable.						
Completed by	Diane	White		1	Telenhone	304-4	70-1119	
Signature	Diane '	White			1 clophone	Date	1-06-20	
						_		

WW-4A Revised 6-07

OPERATOR	15	SULFACE	Our	EL.
Control of the Control			and the second s	

1) Date:	January 6, 2020	
2) Operator's	s Well Number	
Navs 1209 N-5H		

3) API Well No.: 47 -

033

05938

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

	ner(s) to be served:	3) ((a) Coal Operato) <u>.</u>	
(a) Name	HG Energy II Appalachia,	LLC	Name	NA	
Address	5260 Dupont Road		Address		
	Parkersburg, WV 26101				
(b) Name			` ` `	wner(s) with Declaration	1
Address			Name	NA	
			Address		
(c) Name			Name		
Address			- Address		
6) Inspector	Sam Ward		— (c) Coal Le	essee with Declaration	
Address	P. O. Box 2327		Name	NIA	
	Buckhannon, WV 26201		Address		* 3
Telephone	304-389-7583				
well (2) The The reasor	its and the plugging work plat (surveyor's map) show you received these documen	order; and wing the well location ats is that you have rig	on on Form WW-6.		I in the work and describes the
well (2) The The reason However, y Take notic accompany Protection, the Applic	its and the plugging work plat (surveyor's map) show a you received these document you are not required to take an e that under Chapter 22-6 of ving documents for a permit to with respect to the well at the	to order; and wing the well location at is that you have right at you have right at all. the West Virginia Code to plug and abandon a velocation described on a mailed by registered	e, the undersigned well with the Chief of to the attached Applica or certified mail or d	ication which are summarized in ti Il operator proposes to file or has fi the Office of Oil and Gas, West Vir tion and depicted on the attached I	
well (2) The The reasor However, y Take notic accompany Protection, the Applic	its and the plugging work plat (surveyor's map) show you received these document you are not required to take an e that under Chapter 22-6 of ving documents for a permit to with respect to the well at thation, and the plat have been	to order; and wing the well location at is that you have right by action at all. the West Virginia Code to plug and abandon a very elocation described on a mailed by registered and all of the control of the control and the control of the control of the control of the control and the control of the control	e, the undersigned well with the Chief of to the attached Applicator certified mail or dery to the Chief.	ication which are summarized in ti Il operator proposes to file or has fi the Office of Oil and Gas, West Vir tion and depicted on the attached I	he instructions on the reverses side. led this Notice and Application and rginia Department of Environmental form WW-6. Copies of this Notice,
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well (2) The The reason However, y Take notic accompany Protection, the Applic certain circ	its and the plugging work plat (surveyor's map) show a you received these document you are not required to take an e that under Chapter 22-6 of ving documents for a permit to with respect to the well at the ation, and the plat have been sumstances) on or before the description of the description o	to order; and wing the well location at sis that you have right action at all. the West Virginia Code of plug and abandon a very location described on mailed by registered lay of mailing or deliver well Operator By: Its: Address Telephone	e, the undersigned well with the Chief of the attached Application or certified mail or dery to the Chief. HG Energy, LLC Diane White Agent 5260 Dupont Road Parkersburg, WV 26: 304-420-1119	ication which are summarized in the operator proposes to file or has fithe Office of Oil and Gas, West Vintion and depicted on the attached relivered by hand to the person(s)	he instructions on the reverses side. led this Notice and Application and rginia Department of Environmental Form WW-6. Copies of this Notice, named above (or by publication in

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 depprivacyoffier@wv.gov.

WW-9 (5/16)

API Number	47 -	033	05938
Operator's W	ell No).	

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

OFFICE OF OIL AND GAS FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN	
Operator Name HG Energy II Appalachia, LLC OP Code 494519932	
Watershed (HUC 10) Middle West Fork Creek Quadrangle West Milford 7.5'	and the second s
Do you anticipate using more than 5,000 bbls of water to complete the proposed well work? Yes	No 🗸
Will a nit he used? Vos	DENT WILL BE
	TANKS BEFORE DISPOSAL,
Will a synthetic liner be used in the pit? Yes No If so, what ml.?	-DW
Proposed Disposal Method For Treated Pit Wastes:	1/15/2020
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	
Will closed loop system be used? If so, describe: NA	
Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater, oil based, etc. NA	The second secon
-If oil based, what type? Synthetic, petroleum, etc. NA	
Additives to be used in drilling medium? NA	
Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. NA	
-If left in pit and plan to solidify what medium will be used? (cement, lime, sawdust) NA	
-Landfill or offsite name/permit number?	
Permittee shall provide written notice to the Office of Oil and Gas of any load of drill cuttings or associate West Virginia solid waste facility. The notice shall be provided within 24 hours of rejection and the permitted where it was properly disposed.	
I certify that I understand and agree to the terms and conditions of the GENERAL WATER POL on April 1, 2016, by the Office of Oil and Cas of the West Virginia Department of Environmental Protect provisions of the permit are enforceable by law. Violations of any term or condition of the general permit as or regulation can lead to enforcement action. I certify under penalty of law that I have personally examined and am familiar with the information form and all attachments thereto and that, based on my inquiry of those individuals immediately the information, I believe that the information is true, accurate, and complete. I am aware that there are submitting false information, including the possibility of fine or imprisonment.	tion. I understand that the and/or other applicable law mation submitted on this
Company Official Signature Diane White	RECEIVED
Company Official (Typed Name) Diane White	Office of Oil and Gas
Company Official Title Agent	JAN 2 2 2020
	WV Department of Environmental Protection
Subscribed and sworn before me this 6th day of January , 20 20	Environmental Frotection
Notary Public Notary Public	OFFICIAL SEAL NOTARY PUBLIC. STATE OF WEST WINGING MARK I SCHALL
My commission expires $11/2/2031$	H G Energy LLC PO Box 5519, Vierna, WV 28105 My Commission Expires November 2, 2021

		Operator's V	Well No.
Proposed Revegetation Tre	eatment: Acres Disturbed_	0.10 acre Preveg etation p	он
Lime	3 Tons/acre or to corre		
Fertilizer type 10	/20/20		
Fertilizer amount_		500 Ibs/acre	
Mulch_Straw	2	Tons/acre	
_		Seed Mixtures	
	emporary	Perma	inent
Seed Type Tall Fescue	lbs/acre	Seed Type	lbs/acre
1	40	Tall Fescue	40
Ladino Clover	5	Ladino Clover	5
Maps(s) of road, location, pirovided). If water from the L. W), and area in acres, of	the land application area.	l application (unless engineered plans includovide water volume, include dimensions (L,	ling this info have been W, D) of the pit, and din
Maps(s) of road, location, pirovided). If water from the L, W), and area in acres, of hotocopied section of invol	pit will be land applied, pro	ovide water volume, include dimensions (L,	ling this info have been W, D) of the pit, and din
L, W), and area in acres, of	the land application area. [ved 7.5] topographic sheet.	ovide water volume, include dimensions (L,	W, D) of the pit, and dim
Maps(s) of road, location, pirovided). If water from the L. W), and area in acres, of hotocopied section of invol	the land application area. [ved 7.5] topographic sheet.	ovide water volume, include dimensions (L,	W, D) of the pit, and dim
Maps(s) of road, location, pi rovided). If water from the L, W), and area in acres, of thotocopied section of invol	the land application area. [ved 7.5] topographic sheet.	ovide water volume, include dimensions (L,	W, D) of the pit, and dim
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Maps(s) of road, location, pi rovided). If water from the L, W), and area in acres, of thotocopied section of invol	the land application area. [ved 7.5] topographic sheet.	ovide water volume, include dimensions (L,	W, D) of the pit, and dim
Maps(s) of road, location, pirovided). If water from the L, W), and area in acres, of thotocopied section of involvant Approved by:	pit will be land applied, pro the land application area. lived 7.5' topographic sheet.	ovide water volume, include dimensions (L,	W, D) of the pit, and din
Maps(s) of road, location, pirovided). If water from the L, W), and area in acres, of thotocopied section of involvant Approved by: comments:	the land application area. [ved 7.5] topographic sheet.	ovide water volume, include dimensions (L,	W, D) of the pit, and dim

WW-9- GPP Rev. 5/16

Page	of 2
API Number 47 - 033	_ 05938
Operator's Well No.	

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

GROUNDWATER PROTECTION PLAN

Operator Name: HG Energy II Appalachia, LLC	W
Watershed (HUC 10): Middle West Fork Creek	Quad: West Milford, 7.5'
Farm Name:	
 List the procedures used for the treatment and discharge of groundwater. 	fluids. Include a list of all operations that could contaminate the
NA	
Describe procedures and equipment used to protect groundw	rater quality from the list of potential contaminant sources above
NA	
 List the closest water body, distance to closest water body discharge area. 	, and distance from closest Well Head Protection Area to the
disentage area.	
NA	
e .	
1. Summarize all activities at your facility that are already regu	lated for groundwater protection.
NA	
	RECEIVED Office of Oil and Gas

5. Discuss any existing groundwater quality data for your facility or an adjacent property.

JAN 2 2 2020

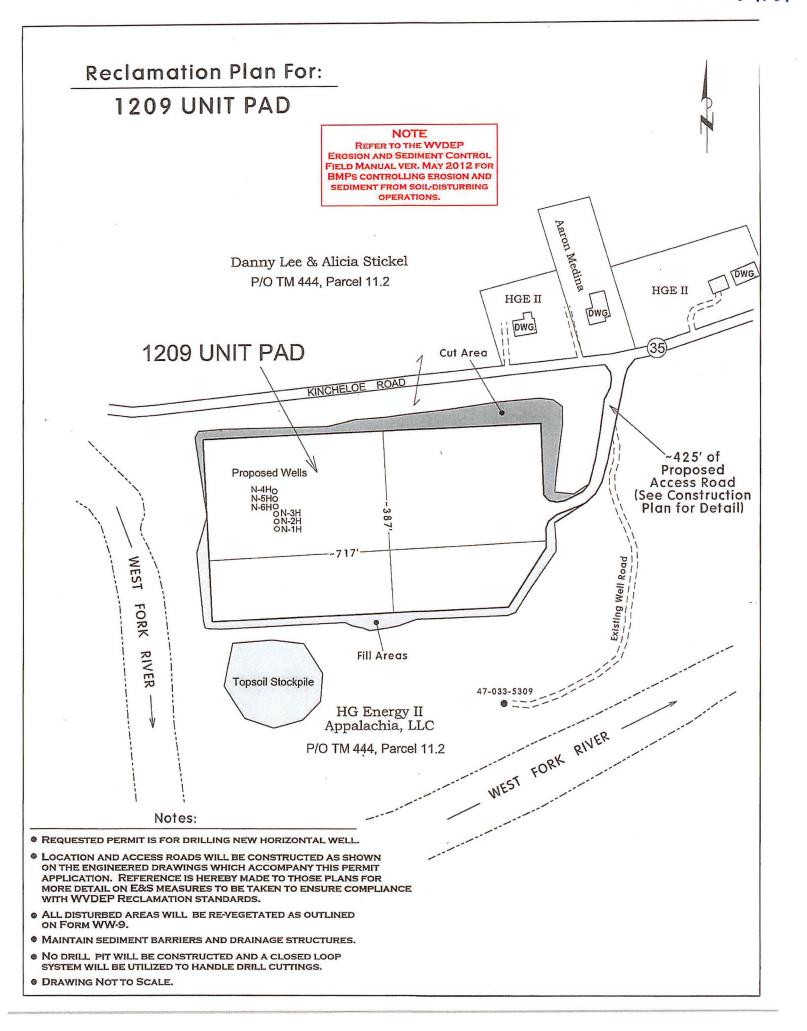
WV Department of Environmental Protection

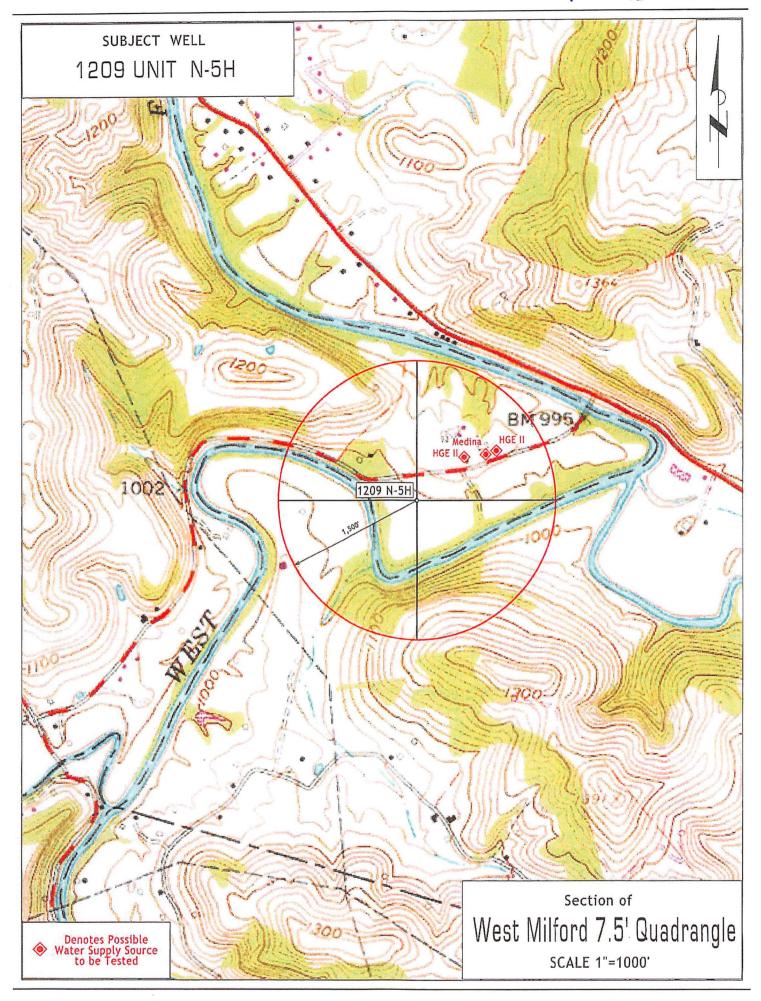
WW-9- GPP Rev. 5/16	Page of
NA	
6. Provide a statement that no waste material will	be used for deicing or fill material on the property.
NA	
7. Describe the groundwater protection instruction provide direction on how to prevent groundwater	on and training to be provided to the employees. Job procedures shall ter contamination.
NA	
8. Provide provisions and frequency for inspectio	ns of all GPP elements and equipment.
NA	

Signature: Diane White

1-6-2020

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<u>s. s.</u>

located located

on on

topo

map

11,313 7,601

_feet _feet

west

으 으

Longitude: Longitude:

8 8

25

88

TO LENGTH OF LATERAL PLAT PAGE FOR DUE

SEE PAGE 3 FOR SURFACE OWNERS AND LESSORS

SURFACE HOLE LOCATION (SHL) UTM 17-NAD83(M) N:4333354.84 E:548090.72

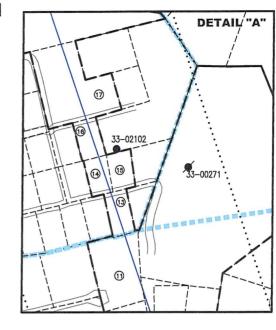
<u>TM 17-NAD83(FT)</u> N:14217015.00 F:1798194.30 LAT/LON DATUM-NAD83 LAT:39.148062 LON:-80.443467

APPROX. LANDING POINT UTM 17-NAD83(M) N:4333641.50

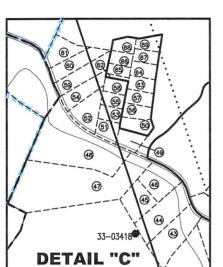
E:548504.61 <u>TM 17-NAD83(FT)</u> N:14217955.50 F·1799552.20 LAT/LON DAT^M-NAD83 LAT:39.150622 LON:-80.438657

BOTTOM HOLE LOCATION (BHL) UTM 17-NAD83(M) N:4338100.06 E:546929.13 UTM 17-NAD83(FT) N:14232583.27

F:1794383.32 LAT/LON DATPM-NAD83 LAT:39.190883 LON:-80.456580







LEGEND

- TOPO MAP POINT

- WELL

- ALL ARE POINTS UNLESS OTHERWISE NOTED.

- MINERAL TRACT BOUNDARY A - LESSORS

1 - SURFACE OWNERS - PARCEL LINES N 800 205 500 500 16 - LEASE BOUNDARY

- WELL REFERENCE

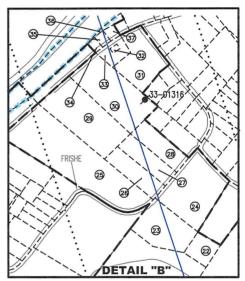
PROPOSED HORIZONTAL WELL

- ROAD - STREAM CENTER LINE - DETAIL

WELLS WITHIN 2400'

- EXISTING WELLS

- PLUGGED WELLS - ABANDONED WELLS



Blue Mountain 11023 MASON DIXON HIGHWAY BURTON, WV 26562 PHONE: (304) 662-6486 FILE #:

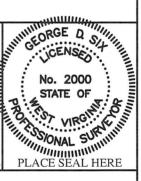
	1209 N-5H				
DRAWING #:	1209 N-5H				
SCALE:	1" = 2000'				
MINIMUM DEGREE					
OF ACCURAC	Y: 1/2500				
PROVEN SOU	RCE HONLIMENT				
OF ELEVATIO	DN: THOMAS 1498.81				
(+) DENOTES	LOCATION OF WELL ON				

I,THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE DEC.

BELIEF AND SHOWS ALL THE INFORMATION REQUIRED DI
LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND

Signed:

R.P.E.: L.L.S.: P.S. No. 2000



(+) DENOTES LOCATION OF WELL ON	
UNITED STATES TOPOGRAPHIC MAPS	198
WVDEP	Ê
OFFICE OF OIL & GAS	S
601 57TH STREET	and the state of t
CHARLESTON, WV 25304	

WEST LE	
A. 2 3 Ex	
5 207 16 2	
1 114	
*	
Party Denver Special	
SHAMM	

DATE: OCTOBER 24, 2018 OPERATOR'S WELL #: 1209 N-5H

API WELL #: 47 33 05938 STATE COUNTY PERMIT

1,007'±

Well Type:	Oil	Waste Disposal
	X Gas	Liquid Injection

X Production Deep

X Ga	as Liquid Injection	Storage	X Shallow	
WATERSHED:	MIDDLE WEST FORK CREEK			_ ELEVATION:

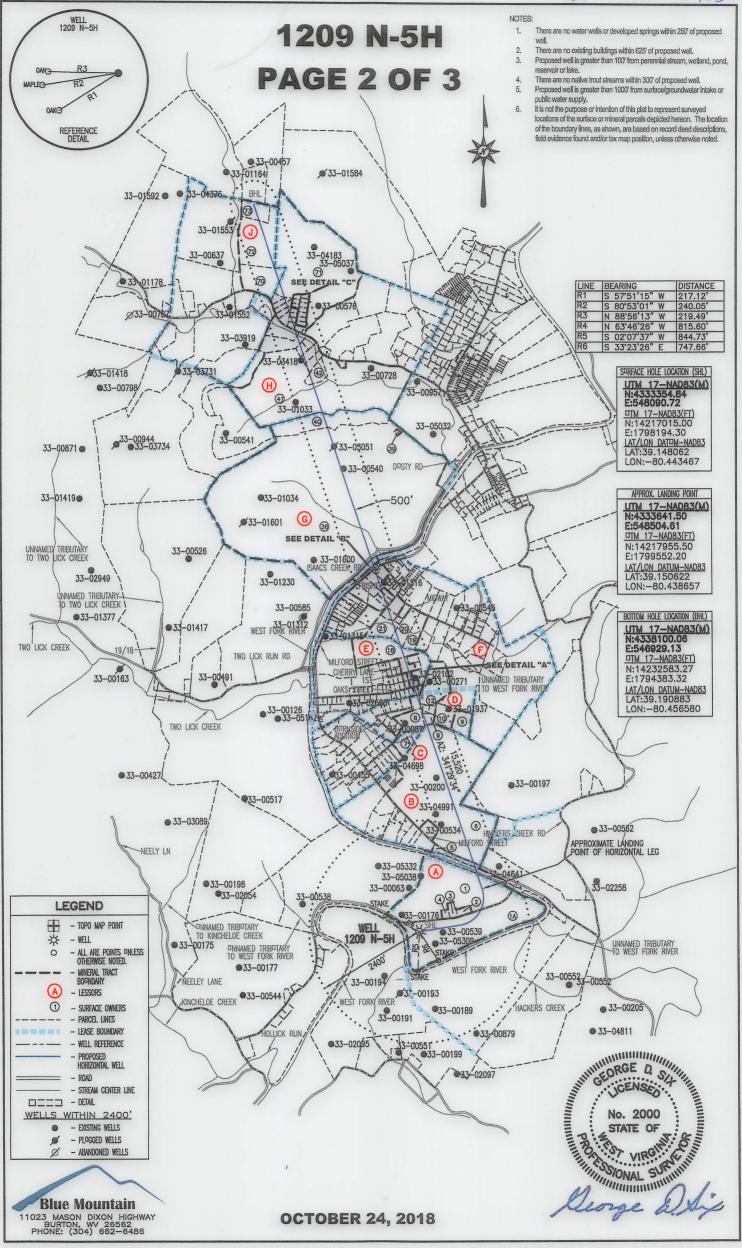
COUNTY/DISTRICT: HARRISON / UNION	QUADRANGLE:	WEST MILFO	ORD, WV 7.5'	
SURFACE OWNER: HG ENERGY II APPALACHIA, LLC		ACREAGE:_	95.06±	
OIL & GAS ROYALTY OWNER: ANN COVINGTON, ET AL		ACREAGE:	810.180±	

GAS ROYALTY OWNER: ANN COVINGTON, E	El AL	ACREAGE: 010.100±
DRILL X CONVERT	DRILL DEEPER REDRILL	FRACTURE OR STIMULATE X
DI LIC OFF OLD FORMATION	DEPENDATE NEW FORM	ATION DI LIG & ARANDON D

TEGGOTT OED TOKMATION	_ TERTORATE NEW TORWAT	TION TEOG & ABANDON
CLEAN OUT & REPLUG OT	THER CHANGE (SPECIFY):	

	TARGET FORMATION:	MARCELLUS	ESTIMATED DEPTH:	TVD: 6,900'±	TMD: 23,180'±
	WELL OPERATOR	HG ENERGY II APPALACHIA, LLC	DESIGNATED AGENT	DIANE C. WHITE	
١	FOOD DUDONT	2012			

Address 5260 DUPONT ROAD State W PARKERSBURG State WV Zip Code 26101 PARKERSB¤RG Zip Code 26101 City City



1209 N-5H PAGE 3 OF 3

_	CUREAGE OWNER	DICT THE COAD
	SURFACE OWNER	DIST-TM/PAR
1	DANNY LEE & ALICIA A. STICKEL	P/0 20-444/11.2
1A	HG ENERGY II APPALACHIA, LLC	P/0 20-444/11.2
2	HG ENERGY II APPALACHIA, LLC	20-444/11.3
3	AARON C. & CHRISTINA P. MEDINA	
		20-444/11
4	HG ENERGY II APPALACHIA, LLC	20-444/11.1
5	CHRISTOPHER WAYNE & ANGELICA ANN TITUS	20-444/10
6	JOHN E., JR. & LEE M. PAUGH	12-424/51
7	JEFFREY R. BENNETT	12-424/44
8	RICHARD HARNER & PATRICIA LYNN LOWTHER	12-424/43
9	EDWARD MICHAEL & MACHELLE KAY BODKIN	12-424/45
10	EDWARD MICHAEL & MACHELLE KAY BODKIN	12-424/45.3
11	ELDON K. & STEPHANIE L. FREEMAN	12-424/43.6
12	STEVEN RAY BODKIN	12-424/45.7
13	RICHARD M. WISE JR.	12-424A/2
14	JACK & GLENDA HEFFINGER	12-424A/34
15	KENNETH L. & SHARON A. BONNETT	12-424A/35
16	LEONARD G., JR. & PAULA FINSTER	12-424A/42
17	PAULA JEAN HEATER & LEONARD GARRETT, JR. FINSTER	12-424A/53.2
18	DARREN L. & ANGELA C. BENNETT	12-424/17.2
19	JAMES L. STRAIGHT II, ET AL	12-424/22
20	KENT EDWARD & ELEANOR WYNE	12-424/21.2
		12-424/18.4
21	H. EUGENE CURREY	
22	MATTHEW L. & SHARON SHEARER	12-424/18.5
23	H. EUGENE CURREY	12-424/18.3
24	VICKIE OFFIELD	12-424/18
25	APRIL R. MITCHELL (LE) (REBECCA L. MORRIS)	12-2001/25
26	ROBERT T. & JANICE B. TYLER	12-2001/61
27	ROBERT T. & JANICE B. TYLER	12-2001/62
28	ROBERT T. & JANICE B. TYLER	12-2001/63
29	ROBERT T. & JANICE B. TYLER	12-2001/26
	DODERT T. & VANICE D. TYLER	12-2001/27
30	ROBERT T. & JANICE B. TYLER	
31	MACKENZIE A. WAYNE	12-2001/28
32	GREATER HARRISON COUNTY PUBLIC SERVICE DISTRICT	12-2001/28.1
33	MACKENZIE A. WAYNE	12-2001/28.2
34	TIMOTHY B. JOHNSON	12-2001/6
35	TIMOTHY B. JOHNSON	12-2001/7
36	REBECCA DARLENE DEBARR MYERS	12-2001/5
37	TIMOTHY B. JOHNSON	12-2001/8
38	WILLIAM MICHAEL MCDONALD	20-424/2
	GREATER HARRISON COUNTY PUBLIC SERVICE DISTRICT	
39		
40	PERRY LEE & DEBORAH JEAN POST	20-404/57
41	PERRY LEE & DEBORAH JEAN POST	20-404/43
42	JAMES E. & MARY ANN GABRIEL	20-404/43.1
	JAMES E. & MARY ANN GABRIEL	
43		20-404/43.2
43		20-404/43.2
44	WILLIAM E. CLARK	20-404/43.3
44 45	WILLIAM E. CLARK RICHARD EVERETT CASTO	20-404/43.3 20-404/43.4
44 45	WILLIAM E. CLARK RICHARD EVERETT CASTO	20-404/43.3 20-404/43.4 20-404/43.7
44 45 46	WILLIAM E. CLARK RICHARD EVERETT CASTO RICHARD E. & MICHELLE M. CASTO	20-404/43.3 20-404/43.4
44 45 46 47	WILLIAM E. CLARK RICHARD EVERETT CASTO RICHARD E. & MICHELLE M. CASTO RICHARD E. & MICHELLE M. CASTO	20-404/43.3 20-404/43.4 20-404/43.7 20-404/43.5
44 45 46 47 48	WILLIAM E. CLARK RICHARD EVERETT CASTO RICHARD E. & MICHELLE M. CASTO RICHARD E. & MICHELLE M. CASTO ROGER L. & MELISSA ANN COFFINDAFFER	20-404/43.3 20-404/43.4 20-404/43.7 20-404/43.5 20-404/43.6
44 45 46 47 48 49	WILLIAM E. CLARK RICHARD EVERETT CASTO RICHARD E. & MICHELLE M. CASTO RICHARD E. & MICHELLE M. CASTO ROGER L. & MELISSA ANN COFFINDAFFER JOHN D. BARNES	20-404/43.3 20-404/43.4 20-404/43.7 20-404/43.5 20-404/43.6 20-404A/1
44 45 46 47 48 49 50	WILLIAM E. CLARK RICHARD EVERETT CASTO RICHARD E. & MICHELLE M. CASTO RICHARD E. & MICHELLE M. CASTO ROGER L. & MELISSA ANN COFFINDAFFER JOHN D. BARNES JUSTIN K. EPLING	20-404/43.3 20-404/43.4 20-404/43.7 20-404/43.5 20-404/43.6 20-404A/1 20-404A/2
44 45 46 47 48 49	WILLIAM E. CLARK RICHARD EVERETT CASTO RICHARD E. & MICHELLE M. CASTO RICHARD E. & MICHELLE M. CASTO ROGER L. & MELISSA ANN COFFINDAFFER JOHN D. BARNES JUSTIN K. EPLING PLATINUM PLUS PROPERTIES LLC	20-404/43.3 20-404/43.4 20-404/43.7 20-404/43.5 20-404/43.6 20-404A/1 20-404A/2 20-404A/15
44 45 46 47 48 49 50	WILLIAM E. CLARK RICHARD EVERETT CASTO RICHARD E. & MICHELLE M. CASTO RICHARD E. & MICHELLE M. CASTO ROGER L. & MELISSA ANN COFFINDAFFER JOHN D. BARNES JUSTIN K. EPLING PLATINUM PLUS PROPERTIES LLC	20-404/43.3 20-404/43.4 20-404/43.7 20-404/43.5 20-404/43.6 20-404A/1 20-404A/2
44 45 46 47 48 49 50 51 52	WILLIAM E. CLARK RICHARD EVERETT CASTO RICHARD E. & MICHELLE M. CASTO RICHARD E. & MICHELLE M. CASTO ROGER L. & MELISSA ANN COFFINDAFFER JOHN D. BARNES JUSTIN K. EPLING PLATINUM PLUS PROPERTIES LLC BRUCE H. JOHNSON	20-404/43.3 20-404/43.4 20-404/43.7 20-404/43.5 20-404/43.6 20-404A/1 20-404A/2 20-404A/15 20-404A/16.2
44 45 46 47 48 49 50 51 52 53	WILLIAM E. CLARK RICHARD EVERETT CASTO RICHARD E. & MICHELLE M. CASTO RICHARD E. & MICHELLE M. CASTO ROGER L. & MELISSA ANN COFFINDAFFER JOHN D. BARNES JUSTIN K. EPLING PLATINUM PLUS PROPERTIES LLC BRUCE H. JOHNSON BRANDON MYERS & RHEBA GRIMES	20-404/43.3 20-404/43.4 20-404/43.7 20-404/43.5 20-404A/1 20-404A/1 20-404A/1 20-404A/16.2 20-404A/14
44 45 46 47 48 49 50 51 52 53	WILLIAM E. CLARK RICHARD EVERETT CASTO RICHARD E. & MICHELLE M. CASTO RICHARD E. & MICHELLE M. CASTO ROGER L. & MELISSA ANN COFFINDAFFER JOHN D. BARNES JUSTIN K. EPLING PLATINUM PLUS PROPERTIES LLC BRUCE H. JOHNSON BRANDON MYERS & RHEBA GRIMES AARON T. JENKS	20-404/43.3 20-404/43.4 20-404/43.7 20-404/43.5 20-404A/1 20-404A/1 20-404A/15 20-404A/16.2 20-404A/14 20-404A/16.3
44 45 46 47 48 49 50 51 52 53 54 55	WILLIAM E. CLARK RICHARD EVERETT CASTO RICHARD E. & MICHELLE M. CASTO RICHARD E. & MICHELLE M. CASTO ROGER L. & MELISSA ANN COFFINDAFFER JOHN D. BARNES JUSTIN K. EPLING PLATINUM PLUS PROPERTIES LLC BRUCE H. JOHNSON BRANDON MYERS & RHEBA GRIMES AARON T. JENKS BARRY R. BURROWS	20-404/43.3 20-404/43.4 20-404/43.7 20-404/43.5 20-404A/1 20-404A/1 20-404A/15 20-404A/16.2 20-404A/16.3 20-404A/13
44 45 46 47 48 49 50 51 52 53	WILLIAM E. CLARK RICHARD EVERETT CASTO RICHARD E. & MICHELLE M. CASTO RICHARD E. & MICHELLE M. CASTO ROGER L. & MELISSA ANN COFFINDAFFER JOHN D. BARNES JUSTIN K. EPLING PLATINUM PLUS PROPERTIES LLC BRUCE H. JOHNSON BRANDON MYERS & RHEBA GRIMES AARON T. JENKS BARRY R. BURROWS DANIEL B. & RANDI L. SMITH	20-404/43.3 20-404/43.4 20-404/43.7 20-404/43.5 20-404A/1 20-404A/1 20-404A/15 20-404A/16.2 20-404A/14 20-404A/16.3
44 45 46 47 48 49 50 51 52 53 54 55 56	WILLIAM E. CLARK RICHARD EVERETT CASTO RICHARD E. & MICHELLE M. CASTO RICHARD E. & MICHELLE M. CASTO ROGER L. & MELISSA ANN COFFINDAFFER JOHN D. BARNES JUSTIN K. EPLING PLATINUM PLUS PROPERTIES LLC BRUCE H. JOHNSON BRANDON MYERS & RHEBA GRIMES AARON T. JENKS BARRY R. BURROWS DANIEL B. & RANDI L. SMITH	20-404/43.3 20-404/43.4 20-404/43.7 20-404/43.5 20-404A/1 20-404A/1 20-404A/15 20-404A/16.2 20-404A/16.3 20-404A/13
44 45 46 47 48 49 50 51 52 53 54 55 56	WILLIAM E. CLARK RICHARD EVERETT CASTO RICHARD E. & MICHELLE M. CASTO RICHARD E. & MICHELLE M. CASTO ROGER L. & MELISSA ANN COFFINDAFFER JOHN D. BARNES JUSTIN K. EPLING PLATINUM PLUS PROPERTIES LLC BRUCE H. JOHNSON BRANDON MYERS & RHEBA GRIMES AARON T. JENKS BARRY R. BURROWS DANIEL B. & RANDI L. SMITH HUBERT H. & LYRA B. DUNCAN	20-404/43.3 20-404/43.4 20-404/43.7 20-404/43.5 20-404A/1 20-404A/1 20-404A/16.2 20-404A/16.3 20-404A/16.3 20-404A/13 20-404A/3 20-404A/3 20-404A/3
44 45 46 47 48 49 50 51 52 53 54 55 56 57	WILLIAM E. CLARK RICHARD EVERETT CASTO RICHARD E. & MICHELLE M. CASTO RICHARD E. & MICHELLE M. CASTO ROGER L. & MELISSA ANN COFFINDAFFER JOHN D. BARNES JUSTIN K. EPLING PLATINUM PLUS PROPERTIES LLC BRUCE H. JOHNSON BRANDON MYERS & RHEBA GRIMES AARON T. JENKS BARRY R. BURROWS DANIEL B. & RANDI L. SMITH HUBERT H. & LYRA B. DUNCAN	20-404/43.3 20-404/43.4 20-404/43.7 20-404/43.5 20-404/43.6 20-404A/1 20-404A/15 20-404A/16.2 20-404A/14 20-404A/16.3 20-404A/13 20-404A/3 20-404A/14
44 45 46 47 48 49 50 51 52 53 54 55 56 57 58	WILLIAM E. CLARK RICHARD EVERETT CASTO RICHARD E. & MICHELLE M. CASTO RICHARD E. & MICHELLE M. CASTO ROGER L. & MELISSA ANN COFFINDAFFER JOHN D. BARNES JUSTIN K. EPLING PLATINUM PLUS PROPERTIES LLC BRUCE H. JOHNSON BRANDON MYERS & RHEBA GRIMES AARON T. JENKS BARRY R. BURROWS DANIEL B. & RANDI L. SMITH HUBERT H. & LYRA B. DUNCAN *MELISSA A. GOLDEN MICHAEL K. & ASHLEY A. STRAIT	20-404/43.3 20-404/43.4 20-404/43.7 20-404/43.5 20-404/1 20-404A/1 20-404A/1 20-404A/16.2 20-404A/16.3 20-404A/13 20-404A/13 20-404A/13 20-404A/1 20-404A/1 20-404A/1 20-404A/1 20-404A/1
44 45 46 47 48 49 50 51 52 53 54 55 56 57	WILLIAM E. CLARK RICHARD EVERETT CASTO RICHARD E. & MICHELLE M. CASTO RICHARD E. & MICHELLE M. CASTO ROGER L. & MELISSA ANN COFFINDAFFER JOHN D. BARNES JUSTIN K. EPLING PLATINUM PLUS PROPERTIES LLC BRUCE H. JOHNSON BRANDON MYERS & RHEBA GRIMES AARON T. JENKS BARRY R. BURROWS DANIEL B. & RANDI L. SMITH HUBERT H. & LYRA B. DUNCAN *MELISSA A. GOLDEN MICHAEL K. & ASHLEY A. STRAIT MARY ELIZABETH ODER	20-404/43.3 20-404/43.4 20-404/43.7 20-404/43.5 20-404A/1 20-404A/1 20-404A/15 20-404A/16.2 20-404A/16.3 20-404A/13 20-404A/13 20-404A/13 20-404A/14 20-404A/16.3 20-404A/16.3 20-404A/16.3
44 45 46 47 48 49 50 51 52 53 54 55 56 57 58	WILLIAM E. CLARK RICHARD EVERETT CASTO RICHARD E. & MICHELLE M. CASTO RICHARD E. & MICHELLE M. CASTO ROGER L. & MELISSA ANN COFFINDAFFER JOHN D. BARNES JUSTIN K. EPLING PLATINUM PLUS PROPERTIES LLC BRUCE H. JOHNSON BRANDON MYERS & RHEBA GRIMES AARON T. JENKS BARRY R. BURROWS DANIEL B. & RANDI L. SMITH HUBERT H. & LYRA B. DUNCAN *MELISSA A. GOLDEN MICHAEL K. & ASHLEY A. STRAIT MARY ELIZABETH ODER	20-404/43.3 20-404/43.4 20-404/43.7 20-404/43.5 20-404/1 20-404A/1 20-404A/1 20-404A/16.2 20-404A/16.3 20-404A/13 20-404A/13 20-404A/13 20-404A/1 20-404A/1 20-404A/1 20-404A/1 20-404A/1
44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61	WILLIAM E. CLARK RICHARD EVERETT CASTO RICHARD E. & MICHELLE M. CASTO RICHARD E. & MICHELLE M. CASTO ROGER L. & MELISSA ANN COFFINDAFFER JOHN D. BARNES JUSTIN K. EPLING PLATINUM PLUS PROPERTIES LLC BRUCE H. JOHNSON BRANDON MYERS & RHEBA GRIMES AARON T. JENKS BARRY R. BURROWS DANIEL B. & RANDI L. SMITH HUBERT H. & LYRA B. DUNCAN *MELISSA A. GOLDEN MICHAEL K. & ASHLEY A. STRAIT MARY ELIZABETH ODER BETH A. EDGAR	20-404/43.3 20-404/43.4 20-404/43.7 20-404/43.5 20-404A/1 20-404A/1 20-404A/15 20-404A/16.2 20-404A/16.3 20-404A/13 20-404A/13 20-404A/14 20-404A/16.3 20-404A/16.3 20-404A/16.3 20-404A/16.3 20-404A/16.5
44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62	WILLIAM E. CLARK RICHARD EVERETT CASTO RICHARD E. & MICHELLE M. CASTO RICHARD E. & MICHELLE M. CASTO ROGER L. & MELISSA ANN COFFINDAFFER JOHN D. BARNES JUSTIN K. EPLING PLATINUM PLUS PROPERTIES LLC BRUCE H. JOHNSON BRANDON MYERS & RHEBA GRIMES AARON T. JENKS BARRY R. BURROWS DANIEL B. & RANDI L. SMITH HUBERT H. & LYRA B. DUNCAN **MELISSA A. GOLDEN MICHAEL K. & ASHLEY A. STRAIT MARY ELIZABETH ODER BETH A. EDGAR MELISSA A. GOLDEN	20-404/43.3 20-404/43.4 20-404/43.7 20-404/43.5 20-404A/1 20-404A/1 20-404A/15 20-404A/16.2 20-404A/16.3 20-404A/13 20-404A/3 20-404A/1 20-404A/1 20-404A/1 20-404A/1 20-404A/1 20-404A/1 20-404A/16.4 20-404A/16.5 20-404A/16.1
44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 60 61 62 63	WILLIAM E. CLARK RICHARD EVERETT CASTO RICHARD E. & MICHELLE M. CASTO RICHARD E. & MICHELLE M. CASTO RICHARD E. & MICHELLE M. CASTO ROGER L. & MELISSA ANN COFFINDAFFER JOHN D. BARNES JUSTIN K. EPLING PLATINUM PLUS PROPERTIES LLC BRUCE H. JOHNSON BRANDON MYERS & RHEBA GRIMES AARON T. JENKS BARRY R. BURROWS DANIEL B. & RANDI L. SMITH HUBERT H. & LYRA B. DUNCAN **MELISSA A. GOLDEN MICHAEL K. & ASHLEY A. STRAIT MARY ELIZABETH ODER BETH A. EDGAR MELISSA A. GOLDEN DENISE R. WILDMAN	20-404/43.3 20-404/43.4 20-404/43.7 20-404/43.5 20-404A/1 20-404A/1 20-404A/15 20-404A/16.2 20-404A/16.3 20-404A/13 20-404A/13 20-404A/13 20-404A/16.3 20-404A/16.3 20-404A/16.1 20-404A/16.4 20-404A/16.5 20-404A/16.1 20-404A/16.1
44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64	WILLIAM E. CLARK RICHARD EVERETT CASTO RICHARD E. & MICHELLE M. CASTO RICHARD E. & MICHELLE M. CASTO RICHARD E. & MICHELLE M. CASTO ROGER L. & MELISSA ANN COFFINDAFFER JOHN D. BARNES JUSTIN K. EPLING PLATINUM PLUS PROPERTIES LLC BRUCE H. JOHNSON BRANDON MYERS & RHEBA GRIMES AARON T. JENKS BARRY R. BURROWS DANIEL B. & RANDI L. SMITH HUBERT H. & LYRA B. DUNCAN **MELISSA A. GOLDEN MICHAEL K. & ASHLEY A. STRAIT MARY ELIZABETH ODER BETH A. EDGAR MELISSA A. GOLDEN DENISE R. WILDMAN BARBARA A. HILL	20-404/43.3 20-404/43.4 20-404/43.7 20-404/43.5 20-404A/1 20-404A/1 20-404A/1 20-404A/16.2 20-404A/16.3 20-404A/13 20-404A/16.3 20-404A/16.4 20-404A/16.5 20-404A/16.1 20-404A/16.1 20-404A/16.1 20-404A/16.1 20-404A/16.1
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44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65	WILLIAM E. CLARK RICHARD EVERETT CASTO RICHARD E. & MICHELLE M. CASTO RICHARD E. & MICHELLE M. CASTO RICHARD E. & MICHELLE M. CASTO ROGER L. & MELISSA ANN COFFINDAFFER JOHN D. BARNES JUSTIN K. EPLING PLATINUM PLUS PROPERTIES LLC BRUCE H. JOHNSON BRANDON MYERS & RHEBA GRIMES AARON T. JENKS BARRY R. BURROWS DANIEL B. & RANDI L. SMITH HUBERT H. & LYRA B. DUNCAN **MELISSA A. GOLDEN MICHAEL K. & ASHLEY A. STRAIT MARY ELIZABETH ODER BETH A. EDGAR MELISSA A. GOLDEN DENISE R. WILDMAN BARBARA A. HILL LUCINDA J. KNIGHT	20-404/43.3 20-404/43.4 20-404/43.7 20-404/43.5 20-404A/1 20-404A/1 20-404A/1 20-404A/16.2 20-404A/16.3 20-404A/13 20-404A/16.3 20-404A/16.4 20-404A/16.5 20-404A/16.1 20-404A/16.1 20-404A/16.1 20-404A/16.1 20-404A/16.1
44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66	WILLIAM E. CLARK RICHARD EVERETT CASTO RICHARD E. & MICHELLE M. CASTO RICHARD E. & MICHELLE M. CASTO RICHARD E. & MICHELLE M. CASTO ROGER L. & MELISSA ANN COFFINDAFFER JOHN D. BARNES JUSTIN K. EPLING PLATINUM PLUS PROPERTIES LLC BRUCE H. JOHNSON BRANDON MYERS & RHEBA GRIMES AARON T. JENKS BARRY R. BURROWS DANIEL B. & RANDI L. SMITH HUBERT H. & LYRA B. DUNCAN *MELISSA A. GOLDEN MICHAEL K. & ASHLEY A. STRAIT MARY ELIZABETH ODER BETH A. EDGAR MELISSA A. GOLDEN DENISE R. WILDMAN BARBARA A. HILL LUCINDA J. KNIGHT TERRY LANTZ	20-404/43.3 20-404/43.4 20-404/43.7 20-404/43.5 20-404A/1 20-404A/1 20-404A/15 20-404A/16.2 20-404A/16.3 20-404A/13 20-404A/13 20-404A/13 20-404A/16.3 20-404A/16.3 20-404A/16.3 20-404A/16.3 20-404A/16.3 20-404A/16.3 20-404A/16.3 20-404A/16.4 20-404A/16.5 20-404A/16.1 20-404A/16.1 20-404A/11 20-404A/16.1 20-404A/11 20-404A/11 20-404A/10
44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67	WILLIAM E. CLARK RICHARD EVERETT CASTO RICHARD E. & MICHELLE M. CASTO RICHARD E. & MICHELLE M. CASTO RICHARD E. & MICHELLE M. CASTO ROGER L. & MELISSA ANN COFFINDAFFER JOHN D. BARNES JUSTIN K. EPLING PLATINUM PLUS PROPERTIES LLC BRUCE H. JOHNSON BRANDON MYERS & RHEBA GRIMES AARON T. JENKS BARRY R. BURROWS DANIEL B. & RANDI L. SMITH HUBERT H. & LYRA B. DUNCAN **MELISSA A. GOLDEN MICHAEL K. & ASHLEY A. STRAIT MARY ELIZABETH ODER BETH A. EDGAR MELISSA A. GOLDEN DENISE R. WILDMAN BARBARA A. HILL LUCINDA J. KNIGHT TERRY LANTZ STEPHENS S. & LINDA K. SCHEUVRONT	20-404/43.3 20-404/43.4 20-404/43.7 20-404/43.5 20-404A/1 20-404A/1 20-404A/15 20-404A/16.2 20-404A/16.3 20-404A/16.3 20-404A/16.3 20-404A/16.3 20-404A/16.3 20-404A/16.5 20-404A/16.6 20-404A/16.1 20-404A/16.1 20-404A/16.1 20-404A/16.1 20-404A/16.1 20-404A/16.1 20-404A/16.1 20-404A/16.1 20-404A/16.1 20-404A/16.1 20-404A/16.1 20-404A/10 20-404A/10
44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68	WILLIAM E. CLARK RICHARD EVERETT CASTO RICHARD E. & MICHELLE M. CASTO RICHARD E. & MICHELLE M. CASTO RICHARD E. & MICHELLE M. CASTO ROGER L. & MELISSA ANN COFFINDAFFER JOHN D. BARNES JUSTIN K. EPLING PLATINUM PLUS PROPERTIES LLC BRUCE H. JOHNSON BRANDON MYERS & RHEBA GRIMES AARON T. JENKS BARRY R. BURROWS DANIEL B. & RANDI L. SMITH HUBERT H. & LYRA B. DUNCAN **MELISSA A. GOLDEN MICHAEL K. & ASHLEY A. STRAIT MARY ELIZABETH ODER BETH A. EDGAR MELISSA A. GOLDEN DENISE R. WILDMAN BARBARA A. HILL LUCINDA J. KNIGHT TERRY LANTZ STEPHENS S. & LINDA K. SCHEUVRONT TYE D. & DESIREE R. POLING	20-404/43.3 20-404/43.4 20-404/43.7 20-404/43.5 20-404A/1 20-404A/1 20-404A/15 20-404A/16.2 20-404A/16.3 20-404A/16.3 20-404A/16.3 20-404A/16.3 20-404A/16.4 20-404A/16.4 20-404A/16.5 20-404A/16.1 20-404A/16.1 20-404A/16.1 20-404A/16.1 20-404A/16.1 20-404A/16.1 20-404A/16.1 20-404A/10 20-404A/10 20-404A/7 20-404A/7 20-404A/7
44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69	WILLIAM E. CLARK RICHARD EVERETT CASTO RICHARD E. & MICHELLE M. CASTO RICHARD E. & MICHELLE M. CASTO RICHARD E. & MICHELLE M. CASTO ROGER L. & MELISSA ANN COFFINDAFFER JOHN D. BARNES JUSTIN K. EPLING PLATINUM PLUS PROPERTIES LLC BRUCE H. JOHNSON BRANDON MYERS & RHEBA GRIMES AARON T. JENKS BARRY R. BURROWS DANIEL B. & RANDI L. SMITH HUBERT H. & LYRA B. DUNCAN **MELISSA A. GOLDEN MICHAEL K. & ASHLEY A. STRAIT MARY ELIZABETH ODER BETH A. EDGAR MELISSA A. GOLDEN DENISE R. WILDMAN BARBARA A. HILL LUCINDA J. KNIGHT TERRY LANTZ STEPHENS S. & LINDA K. SCHEUVRONT TYE D. & DESIREE R. POLING SHAUN A. WILSON	20-404/43.3 20-404/43.4 20-404/43.7 20-404/43.5 20-404A/1 20-404A/1 20-404A/15 20-404A/16.2 20-404A/16.3 20-404A/16.3 20-404A/16.3 20-404A/16.3 20-404A/16.4 20-404A/16.4 20-404A/16.5 20-404A/16.1 20-404A/16.1 20-404A/16.1 20-404A/16.1 20-404A/16.1 20-404A/16.1 20-404A/10 20-404A/10 20-404A/10 20-404A/7 20-404A/9 20-404A/9
44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68	WILLIAM E. CLARK RICHARD EVERETT CASTO RICHARD E. & MICHELLE M. CASTO RICHARD E. & MICHELLE M. CASTO RICHARD E. & MICHELLE M. CASTO ROGER L. & MELISSA ANN COFFINDAFFER JOHN D. BARNES JUSTIN K. EPLING PLATINUM PLUS PROPERTIES LLC BRUCE H. JOHNSON BRANDON MYERS & RHEBA GRIMES AARON T. JENKS BARRY R. BURROWS DANIEL B. & RANDI L. SMITH HUBERT H. & LYRA B. DUNCAN **MELISSA A. GOLDEN MICHAEL K. & ASHLEY A. STRAIT MARY ELIZABETH ODER BETH A. EDGAR MELISSA A. GOLDEN DENISE R. WILDMAN BARBARA A. HILL LUCINDA J. KNIGHT TERRY LANTZ STEPHENS S. & LINDA K. SCHEUVRONT TYE D. & DESIREE R. POLING SHAUN A. WILSON ROBERT N. & REGINA C. HARDMAN	20-404/43.3 20-404/43.4 20-404/43.7 20-404/43.5 20-404A/1 20-404A/1 20-404A/15 20-404A/16.2 20-404A/16.3 20-404A/16.3 20-404A/16.3 20-404A/16.3 20-404A/16.4 20-404A/16.4 20-404A/16.5 20-404A/16.1 20-404A/16.1 20-404A/16.1 20-404A/16.1 20-404A/16.1 20-404A/16.1 20-404A/16.1 20-404A/10 20-404A/10 20-404A/7 20-404A/7 20-404A/7
44 45 46 47 48 49 50 51 52 53 54 55 56 61 62 63 64 65 66 67 68 69 70	WILLIAM E. CLARK RICHARD EVERETT CASTO RICHARD E. & MICHELLE M. CASTO RICHARD E. & MICHELLE M. CASTO RICHARD E. & MICHELLE M. CASTO ROGER L. & MELISSA ANN COFFINDAFFER JOHN D. BARNES JUSTIN K. EPLING PLATINUM PLUS PROPERTIES LLC BRUCE H. JOHNSON BRANDON MYERS & RHEBA GRIMES AARON T. JENKS BARRY R. BURROWS DANIEL B. & RANDI L. SMITH HUBERT H. & LYRA B. DUNCAN **MELISSA A. GOLDEN MICHAEL K. & ASHLEY A. STRAIT MARY ELIZABETH ODER BETH A. EDGAR MELISSA A. GOLDEN DENISE R. WILDMAN BARBARA A. HILL LUCINDA J. KNIGHT TERRY LANTZ STEPHENS S. & LINDA K. SCHEUVRONT TYE D. & DESIREE R. POLING SHAUN A. WILSON ROBERT N. & REGINA C. HARDMAN	20-404/43.3 20-404/43.4 20-404/43.7 20-404/43.5 20-404A/1 20-404A/1 20-404A/15 20-404A/16.2 20-404A/16.3 20-404A/16.3 20-404A/16.3 20-404A/16.3 20-404A/16.4 20-404A/16.4 20-404A/16.5 20-404A/16.1 20-404A/16.1 20-404A/16.1 20-404A/16.1 20-404A/16.1 20-404A/16.1 20-404A/16.1 20-404A/16.1 20-404A/10 20-404A/7 20-404A/7 20-404A/7 20-404A/9 20-404A/9
44 45 46 47 48 49 50 51 52 53 54 55 56 61 62 63 64 65 66 67 68 69 70 71	WILLIAM E. CLARK RICHARD EVERETT CASTO RICHARD E. & MICHELLE M. CASTO RICHARD E. & MICHELLE M. CASTO RICHARD E. & MICHELLE M. CASTO ROGER L. & MELISSA ANN COFFINDAFFER JOHN D. BARNES JUSTIN K. EPLING PLATINUM PLUS PROPERTIES LLC BRUCE H. JOHNSON BRANDON MYERS & RHEBA GRIMES AARON T. JENKS BARRY R. BURROWS DANIEL B. & RANDI L. SMITH HUBERT H. & LYRA B. DUNCAN **MELISSA A. GOLDEN MICHAEL K. & ASHLEY A. STRAIT MARY ELIZABETH ODER BETH A. EDGAR MELISSA A. GOLDEN DENISE R. WILDMAN BARBARA A. HILL LUCINDA J. KNIGHT TERRY LANTZ STEPHENS S. & LINDA K. SCHEUVRONT TYE D. & DESIREE R. POLING SHAUN A. WILSON ROBERT N. & REGINA C. HARDMAN POST HERITAGE LLC	20-404/43.3 20-404/43.4 20-404/43.7 20-404/43.5 20-404A/1 20-404A/1 20-404A/1 20-404A/16.3 20-404A/16.3 20-404A/13 20-404A/13 20-404A/13 20-404A/16.4 20-404A/16.5 20-404A/16.1 20-404A/16.1 20-404A/11 20-404A/16.1 20-404A/11 20-404A/16.1 20-404A/10 20-404A/10 20-404A/7 20-404A/9 20-404A/9 20-404A/9 20-404A/8 20-404A/8 20-404A/8 20-404A/8 20-404A/8
44 45 46 47 48 49 50 51 52 53 54 55 56 61 62 63 64 65 66 67 68 69 70	WILLIAM E. CLARK RICHARD EVERETT CASTO RICHARD E. & MICHELLE M. CASTO RICHARD E. & MICHELLE M. CASTO RICHARD E. & MICHELLE M. CASTO ROGER L. & MELISSA ANN COFFINDAFFER JOHN D. BARNES JUSTIN K. EPLING PLATINUM PLUS PROPERTIES LLC BRUCE H. JOHNSON BRANDON MYERS & RHEBA GRIMES AARON T. JENKS BARRY R. BURROWS DANIEL B. & RANDI L. SMITH HUBERT H. & LYRA B. DUNCAN **MELISSA A. GOLDEN MICHAEL K. & ASHLEY A. STRAIT MARY ELIZABETH ODER BETH A. EDGAR MELISSA A. GOLDEN DENISE R. WILDMAN BARBARA A. HILL LUCINDA J. KNIGHT TERRY LANTZ STEPHENS S. & LINDA K. SCHEUVRONT TYE D. & DESIREE R. POLING SHAUN A. WILSON ROBERT N. & REGINA C. HARDMAN	20-404/43.3 20-404/43.4 20-404/43.7 20-404/43.5 20-404A/1 20-404A/1 20-404A/15 20-404A/16.2 20-404A/16.3 20-404A/16.3 20-404A/16.3 20-404A/16.3 20-404A/16.3 20-404A/16.4 20-404A/16.4 20-404A/16.5 20-404A/16.1 20-404A/16.1 20-404A/16.1 20-404A/16.1 20-404A/10 20-404A/10 20-404A/7 20-404A/7 20-404A/9 20-404A/8 20-404A/8 20-404A/8

	LESSOR	DIST-TM/PAR
Α	J. B. GUSMAN ET AL	20-444/11.2
В	EDMOND SOUTHERN ET UX	12-424/51
		12-444/10
С	MARY S. DEISON ET AL	12-424/44
D	PAUL S. HORNOR ET AL	12-424/43
		12-424/45
		12-424/45.3
		12-424/43.6
		12-424/45.7
E	G. W. RIFFER ET AL	12-424A/2
	The state of the s	12-424A/34
		12-424A/35
		12-424A/42
		12-424A/53.2
		12-424/17.2
F	WM BURNSIDE ET AL	12-424/45.7
		12-424/22
		12-424/21.2
		12-424/18.4
		12-424/18.5
		12-424/18.3
		12-424/18
		12-2001/25
		12-2001/61
		12-2001/62
		12-2001/63
		12-2001/26
		12-2001/27
		12-2001/28
		12-2001/28.1
		12-2001/28.2
		12-2001/6
		12-2001/7
		12-2001/5
		12-2001/8
G	WILLIAM AND RUHAMA BRUNSIDE	20-424/2
		20-404/57
Н	J P POST ET AL	20-404/43
		20-404/43.1
		20-404/43.2
		20-404/43.3
		20-404/43.4
		20-404/43.7
		20-404/43.5
		20-404/43.6
		20-404A/15
		20-404A/16.2
		20-404A/14
		12-404A/16.3
		12/404A/13
		*20-404A/12
		20-404A/16.4
		20-404A/16.5
		20-404A/16.1
		20-404/32
		20-404A/16.3 20-404A/13
	N. Carlotte	20-404A/13
	f	20-404A/1
J	JACOB MCCONEY	20-404/6
		20-404/6.1
		20-404/6.2

SORFACE HOLE LOCATION (SHL)

UTM 17—NADB3(M)
N:4333354.84
E:548090.72

UTM 17-NADB3(FT)
N:14217015.00
E:1798194.30
LAT/LON DATUM-NADB3
LAT:39.148062
LON:-80.443467

APPROX. LANDING POINT

UTM 17—NAD83(M)
N:4333641.50
E:548504.61

UTM 17—NAD83(FT)
N:14217955.50
E:1799552.20

LAT/LON DATUM—NAD83
LAT:39.150622
LON:—80.438657

BOTTOM HOLE LOCATION (BHL)

LITM 17—NADB.3(M)
N:4338100.06
E:546929.13

UTM 17—NADB.3(FT)
N:14232583.27
E:1794383.32
LAT/LON DATUM—NADB.3
LAT:39.190883
LON:—80.456580

