

Latitude: 39°20'00"N

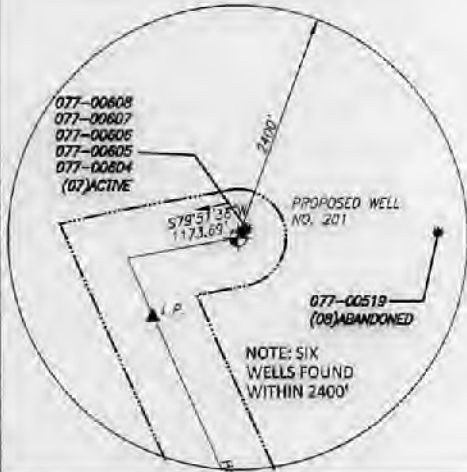
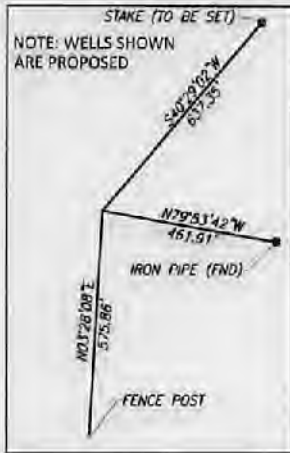
TOP HOLE COORDINATES: 9,090' WEST 2,213' SOUTH
 BOTTOM HOLE COORDINATES: 7,049' WEST 9,582' SOUTH

Longitude: 79°50'00"W

1. THE PURPOSE OF THIS PLAN IS FOR THE LOCATION OF PROPOSED WELLS AND DOES NOT REPRESENT A BOUNDARY SURVEY. PROPERTY LINES AND OWNERS WERE OBTAINED FROM VARIOUS FIELD EVIDENCE, AERIAL IMAGES, DEED AND TAX RECORDS.
2. FIELD SURVEY PERFORMED DURING NOVEMBER & DECEMBER, 2013.
3. TIES TO WELLS, CORNERS AND REFERENCES ARE BASED ON WEST VIRGINIA STATE PLANE COORDINATE SYSTEM, ZONE NORTH, MAD 83.
4. NO OIL OR GAS WELLS HAVE BEEN FOUND WITHIN 2400 FEET OF SURFACE LOCATION AND 500' OF HORIZONTAL SECTION OF WELL BORE. NO RAILROADS, DWELLINGS, OR AGRICULTURAL BUILDINGS WITHIN 625 FEET OF CENTER OF PAD. NO WATER WELLS OR DEVELOPED SPRINGS WITHIN 250 FEET OF PROPOSED WELL. NO PERENNIAL STREAMS, LAKES, PONDS, RESERVOIRS, OR WETLANDS WITHIN 100 FEET OF PAD LIMIT OF DISTURBANCE.

PARCEL REFERENCE

KEY	MAP PARCEL ID#	OWNER INFORMATION
A	04-15-4	FRANKLIN M. & PEGGY A. JENNINGS
B	04-15-8	G CLUTTER ET UX.
C	04-15-14	E RUNNER
D	04-16-21	E RUNNER
E	04-16-37	W. CLARKSON ET UX.



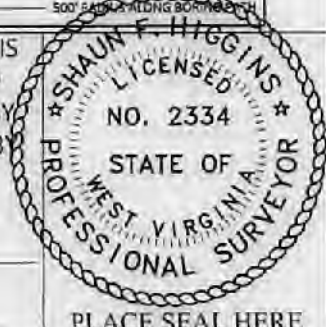
SURFACE HOLE LOCATION	LANDING POINT LOCATION	BOTTOM HOLE LOCATION
PROPOSED WELL #201	PROPOSED L.P.#201	PROPOSED BHL #201
LAT/LONG-(DECIMAL)	LAT/LONG-(DECIMAL)	LAT/LONG-(DECIMAL)
LAT (N): 39.3271588	LAT(N): 39.3249862	LAT(N): 39.3068509
LONG(W): 79.8654373	LONG(W): 79.8685932	LONG(W): 79.8581211
UTM-NAD83 (METERS)	UTM-NAD83 (METERS)	UTM-NAD83 (METERS)
N: 4353696.53	N: 4353451.90	N: 4351461.66
E: 597791.01	E: 597522.01	E: 598449.96
NAD83-WV NORTH	NAD83-WV NORTH	NAD83-WV NORTH
N: 301484.48	N: 300696.47	N: 294115.60
E: 1865125.23	E: 1864229.255	E: 1867165.50

LEGEND	
	TAXMAP/GIS/DEED PARCEL LINE
	HORZ. BORING PATH
	500' SACS ALONG BORING PATH

FILE #: 250023101
 DRAWING #: 250023101-WELL #201
 SCALE: 1"=2,000'
 MINIMUM DEGREE OF ACCURACY: 1:200
 PROVEN SOURCE OF ELEVATION: NGS CORS STATION

I, THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT 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 DEPARTMENT OF ENVIRONMENTAL PROTECTION.

Signed: *Shaun F. Higgins*
 R.P.E.: _____ L.L.S.: 2334



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
WVDEP
OFFICE OF OIL & GAS
 601 57TH STREET
 CHARLESTON, WV 25304



DATE: 07-03-17
 OPERATOR'S WELL #: JENNINGS, ROCKY 201
 API WELL #: 47 077 00622 H6A
 STATE COUNTY PERMIT

Well Type: Oil Waste Disposal Production Deep
 Gas Liquid Injection Storage Shallow

WATERSHED: TYGART VALLEY-SANDY CREEK ELEVATION: 1654 (GROUND) 1651.5 (PROPOSED)

COUNTY/DISTRICT: PRESTON COUNTY/ RENO DISTRICT QUADRANGLE: FELLOWSVILLE 7.5'

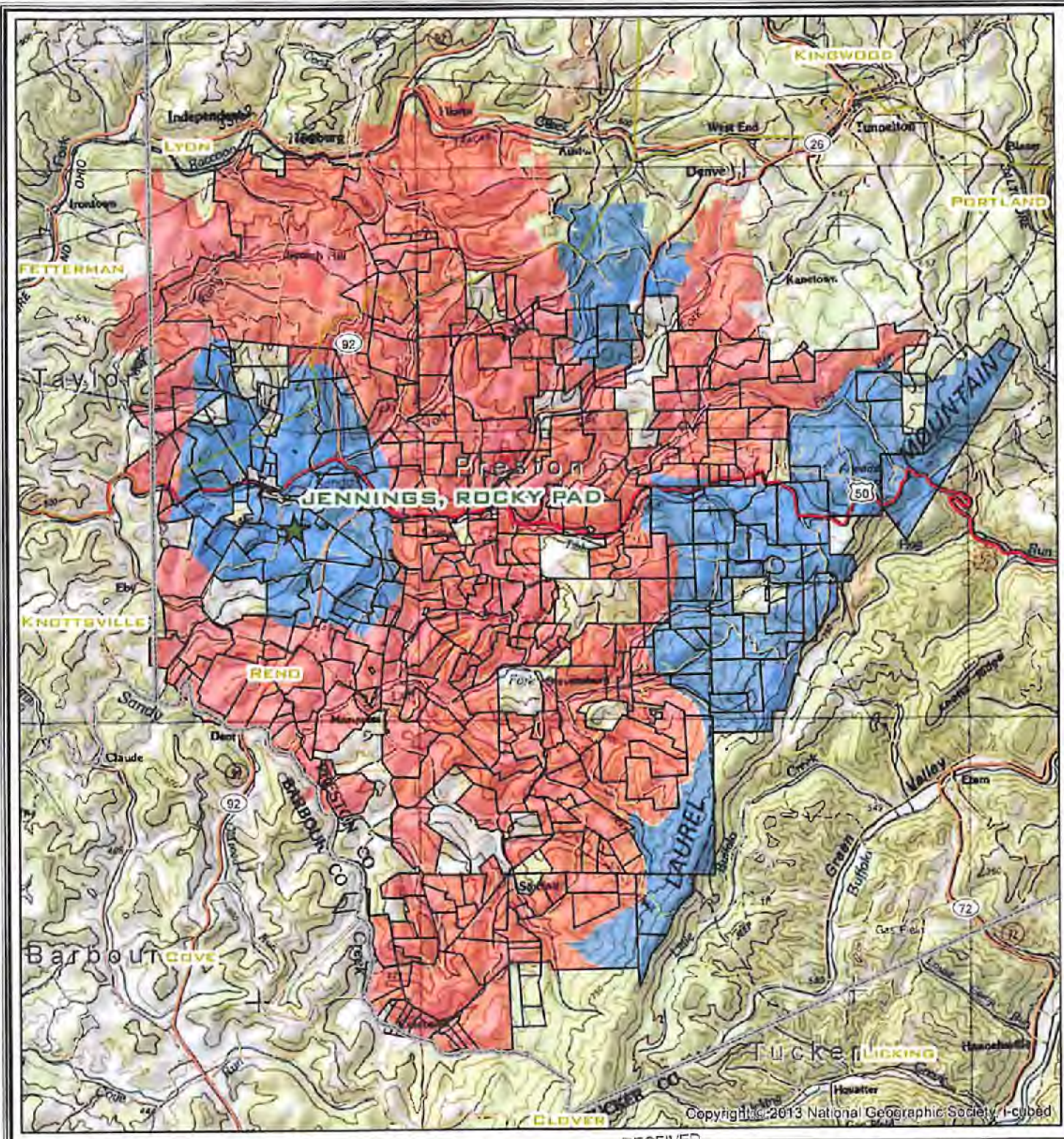
SURFACE OWNER: FRANKLIN M. & PEGGY A. JENNINGS ACREAGE: 69.50 & 45.46 SANDY CR

OIL & GAS ROYALTY OWNER: FRANKLIN M. JENNINGS(69.50AC, 45.46 AC), GLENN W. CLUTTER ET UX (146.59 AC), EDWIN C. RUNNER (105.75 AC), EDWIN C. RUNNER (94.90 AC), WILLIAM E. CLARKSON JR ET UX (46.66 AC) ACREAGE: 508 AC + 03/02/2018

DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE
 PLUG OFF OLD FORMATION PERFORATE NEW FORMATION PLUG & ABANDON
 CLEAN OUT & REPLUG OTHER CHANGE (SPECIFY): _____

TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: TVD: 7940' TMD: 15730'

WELL OPERATOR ARSENAL RESOURCES DESIGNATED AGENT WILLIAM VEIGEL
 Address 6031 WALLACE ROAD EXT., SUITE 300 Address 65 PROFESSIONAL PLACE, SUITE 200
 City WEXFORD State PA Zip Code 15090 City BRIDGEPORT State WV Zip Code 26330



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- Critical Areas
 - Non-Critical Areas
 - ★ Jennings, Rocky Pad
- 0 1.5 Miles

West Virginia
Barbour, Boone & Taylor Counties
Data: Rapid Lidar, Fetterman
& Knottville, Tucker
Kingwood Lands (91)

Projection
NAD27 WV-N

RECEIVED
Office of Oil and Gas

JUL 14 2017

WV Department of
Environmental Protection

EXHIBIT A
To
LETTER AGREEMENT
Between
ACIN LLC
And
ARSENAL RESOURCES, LLC
DATED: JULY 6, 2017

DMG	Paper Size: 8.5" x 11"	NRP 5260 Irvin Road Huntington, WV 25705-3247
7/10/2017	DMG_Registers\Exhibit0091_KingwoodArsenal Resources\0091_ArsenalResourcesLetterAgreement_07102017	03/02/2018