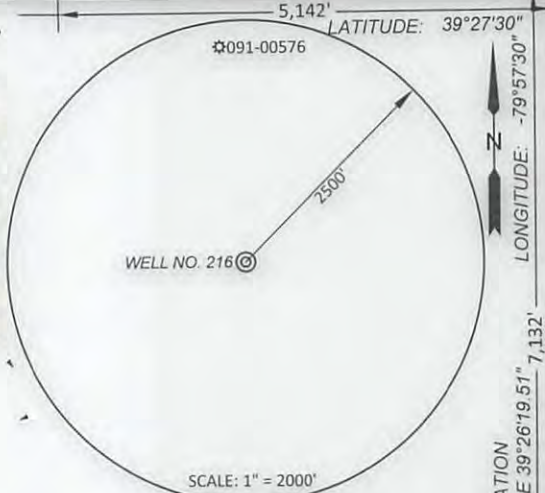


ARSENAL RESOURCES WILLIAMS WELL NO. 216

TOP HOLE LOCATION
SURVEYED LONGITUDE -79°58'22.39"
BOTTOM HOLE LOCATION
SURVEYED LONGITUDE -79°58'35.54"

4,111'
LATITUDE: 39°27'30"
LONGITUDE: -79°57'30"

ARSENAL RESOURCES WELL NO. 216		
LEASE NO.	LESSOR	LEASE AC.
00005194 (WVLD1054.000)	WILLIAM C. WILLIAMS	107.25
00004637 (WVLD0747.001)	MELBA M. ZINN TRUST	228.97
00005133 (WVLD1001.000)	WILLIAM M. COMPTON ETUX DAVID S. SUMMERS ETUX	264.35
00004297 (WVLD0519.000)	J. P. MORGAN CHASE BANK, N.A.	907.00
00004731 (WVLD0775.000)	THE ORTHODOX EDUCATIONAL SOCIETY	511.00

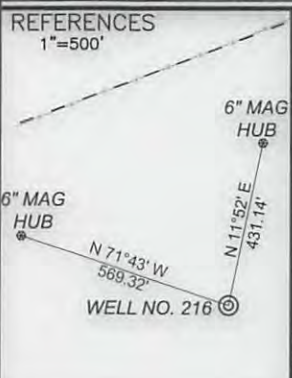
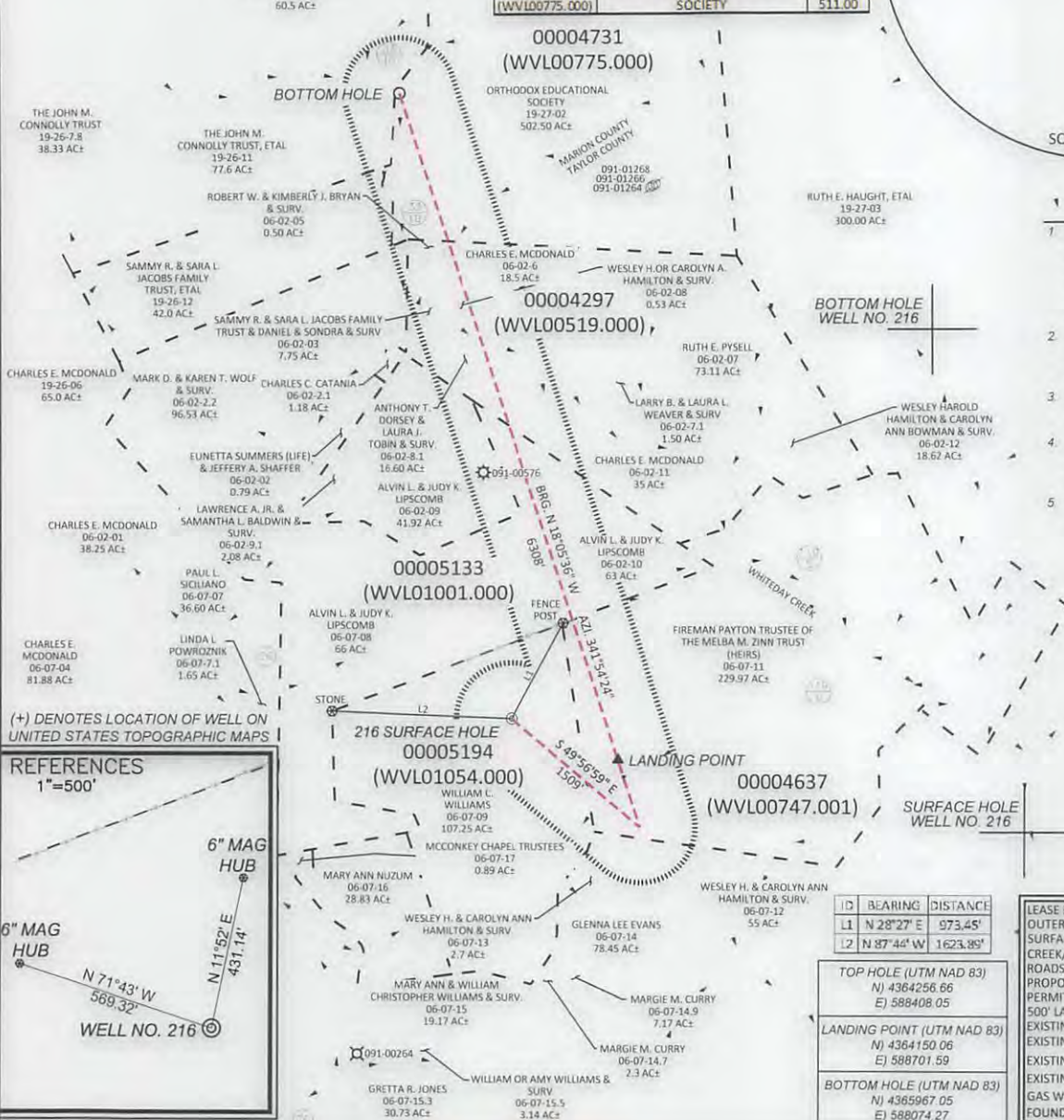


SCALE: 1" = 2000'

NOTES ON SURVEY

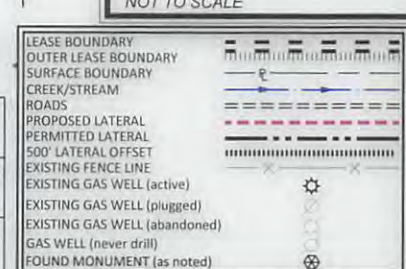
- NO OCCUPIED DWELLINGS OR BUILDINGS 2500 SQUARE FEET OR LARGER USED TO HOUSE OR SHELTER DAIRY CATTLE OR POULTRY HUSBANDRY WITHIN 625' OF THE CENTER OF THE WELL PAD WERE OBSERVED
- SURFACE OWNERSHIP TAKEN FROM THE MARION AND TAYLOR COUNTY TAX ASSESSOR AND COUNTY CLERK OFFICES IN APRIL, 2016
- WELL LATITUDE AND LONGITUDE FROM SURVEY GRADE OPUS SOLUTION DERIVED ON MARCH, 2016
- TIES TO CORNERS AND REFERENCES BASED ON WV STATE PLANE COORDINATE SYSTEM, NAD '83 NORTH ZONE UNLESS OTHERWISE NOTED
- LEASE INFORMATION PROVIDED BY ARSENAL RESOURCES

WILLIAMS PAD LAYOUT

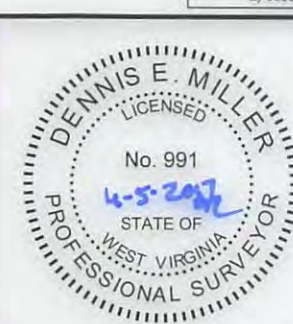


ID	BEARING	DISTANCE
L1	N 28°27' E	973.45'
L2	N 87°44' W	1623.89'

TOP HOLE (UTM NAD 83)	NJ 4364256.66	EJ 588408.05
LANDING POINT (UTM NAD 83)	NJ 4364150.06	EJ 588701.59
BOTTOM HOLE (UTM NAD 83)	NJ 4365967.05	EJ 588074.27



600 Marketplace Avenue, Suite 200
Bridgeport, WV 26330
Toll Free 855-488-9539
Fax 304-933-3327
Civil & Environmental Consultants, Inc.



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 rules issued and prescribed by the Division of Environmental Protection.

Dennis E. Miller

DATE APRIL 04, 2017
SCALE 1" = 1600' ACCURACY 1:2500
OPERATORS WELL No. 216
47-091-01335466
API No.

TYPE OF WELL:

GAS:
Production Storage *Deep *Shallow

PROPOSED WORK ON LOCATION:

Drill Drill Deeper Redrill Convert
Fracture/ Stimulate *Plug off to Formation
Perforate New Formation Plug and Abandon
Clean/ Replug Other Than Above
If "Other" Please see Details below—
DETAILS OF PROPOSED WORK _____

*TARGET FORMATION MARCELLUS
ESTIMATED DEPTH TMD: 14,792' TVD: 7,826'

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



WELL AREA & LOCATION INFORMATION:

ELEVATION SOURCE DGPS (OPUS)
ELEVATION EXISTING: 1813' PROPOSED: 1804'
WATERSHED WHITEDAY CREEK DISTRICT FETTERMAN
COUNTY TAYLOR TOPO QUAD GLADESVILLE
SURFACE OWNER WILLIAM C. WILLIAMS
ACREAGE 107.25 ±
ROYALTY OWNER WILLIAM C. WILLIAMS
LEASE ACREAGE 107.25 ± (see box at top of plat)

WELL OPERATOR ARSENAL RESOURCES
ADDRESS 6031 WALLACE RD. EXT. SUITE 300
WEXFORD, PA 15090

DESIGNATED AGENT WILLIAM VEIGEL
ADDRESS 65 PROFESSIONAL PLACE
BRIDGEPORT, WV 26330

TOP HOLE LOCATION
SURVEYED LATITUDE 39°25'23.91"

BOTTOM HOLE LOCATION
SURVEYED LATITUDE 39°26'19.11"

12,757'

05/05/2017