

**PDC MOUNTAINEER, LLC.**  
**WELL NO. ARMSTRONG/REYNOLDS 3HM**

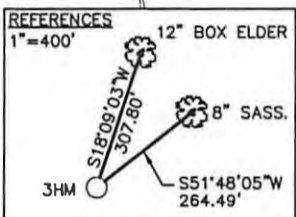
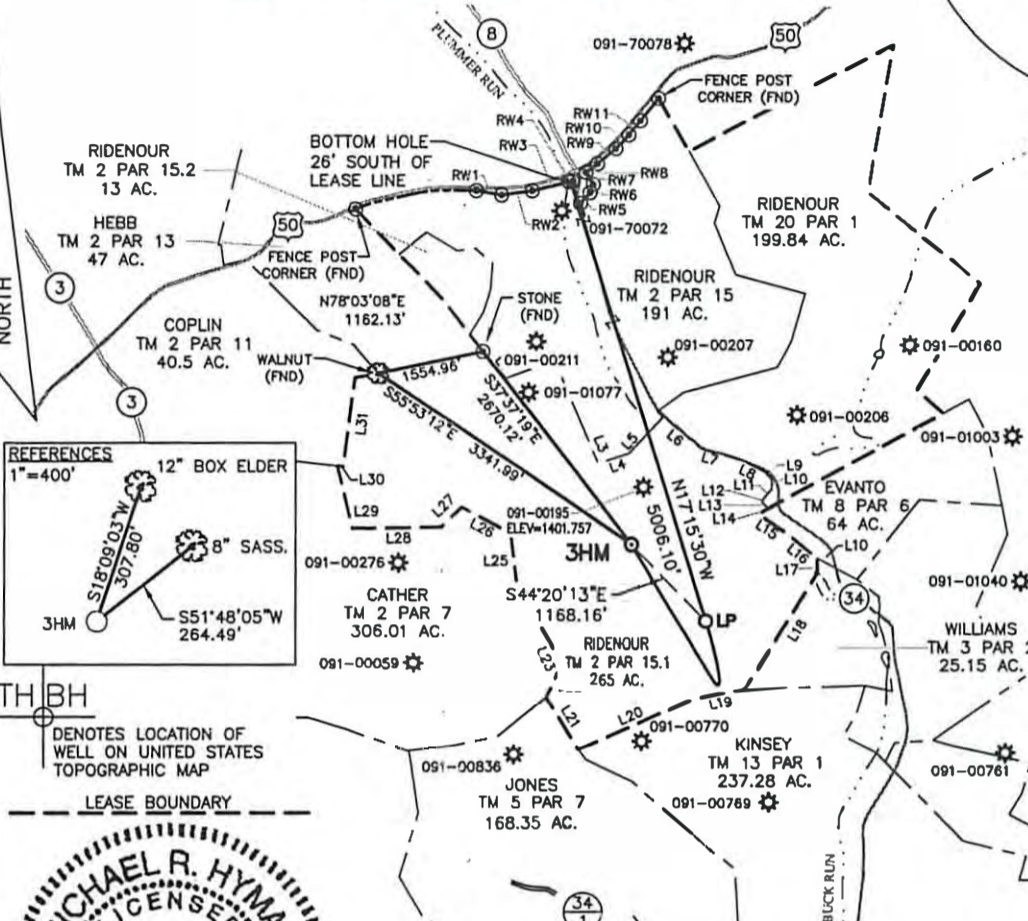
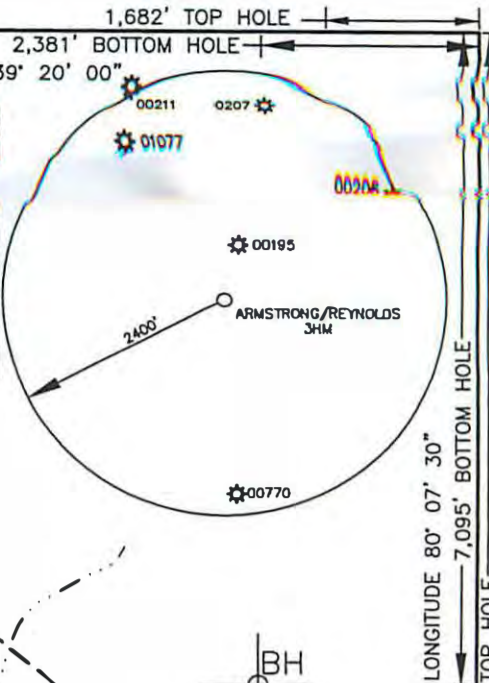
**NOTES:**  
-PLAT ORIENTATION, CORNERS, AND WELL REFERENCES ARE BASED UPON THE GRID NORTH MERIDIAN FOR THE WV STATE PLANE COORDINATE SYSTEM, NORTH ZONE NAD 83. WELL LOCATION REFERENCE TIES ARE BASED UPON THE MAGNETIC MERIDIAN.  
-THERE ARE NO WATER WELLS LOCATED WITHIN 250' OF WELL 3HM.

L1	S36°45'00"E	394.00'
L2	N71°57'00"E	567.00'
L3	S19°17'00"E	1243.00'
L4	N74°57'00"E	355.00'
L5	N47°11'00"E	548.00'
L6	S46°55'00"E	549.00'
L7	S70°30'00"E	437.00'

L8	S60°15'00"E	300.00'
L9	S38°15'00"E	108.00'
L10	S02°24'00"W	105.00'
L11	S44°13'00"W	138.00'
L12	S25°18'00"W	43.00'
L13	S43°44'00"E	97.00'
L14	S64°27'00"E	123.00'
L15	S51°10'00"E	427.35'
L16	S47°30'00"E	368.46'
L17	S21°45'00"E	228.30'
L18	S35°05'00"W	1505.95'
L19	S82°18'00"W	603.41'
L20	S70°05'00"W	1351.02'
L21	N28°07'00"W	670.07'
L22	N28°57'00"E	399.98'
L23	N21°22'00"W	259.88'
L24	N26°30'00"W	754.22'
L25	N03°00'00"W	563.64'
L26	N58°15'00"W	605.38'
L27	S49°30'00"W	310.53'
L28	N87°09'00"W	960.14'

L29	N10°00'00"W	694.65'
L30	S81°45'00"E	64.02'
L31	N11°00'00"E	955.02'

RW1	N28°13'00"E	279.36'
RW2	N82°00'24"E	337.42'
RW3	N76°21'22"E	412.37'
RW4	N75°06'36"E	36.22'
RW5	N41°49'35"E	155.33'
RW6	N20°53'41"E	94.00'
RW7	N30°25'53"W	156.00'
RW8	N53°26'46"E	156.40'
RW9	N50°35'02"E	259.00'
RW10	N43°11'33"E	207.30'
RW11	N38°54'15"E	201.27'

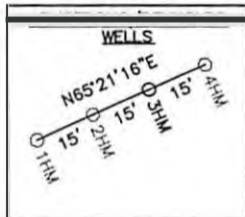


**WELL NO. 3HM**  
**TOP HOLE**  
STATE PLANE COORDINATES  
(NAD 83 NORTH ZONE)  
N: 293144.072  
E: 1790012.945  
LAT: 39°18'11.2239"  
LON: 80°07'50.7029"  
UTM COORDINATES  
(NAD 83-METER)  
N: 4350774.899  
E: 574948.176

**WELL NO. 3HM**  
**LAUNCH POINT**  
STATE PLANE COORDINATES  
(NAD 83 NORTH ZONE)  
N: 292308.555  
E: 1790829.347  
LAT: 39°18'03.0225"  
LON: 80°07'40.2427"  
UTM COORDINATES  
(NAD 83-METER)  
N: 4350524.478  
E: 575201.144

**WELL NO. 3HM**  
**BOTTOM HOLE**  
STATE PLANE COORDINATES  
(NAD 83 NORTH ZONE)  
N: 297089.267  
E: 1789344.129  
LAT: 39°18'50.1706"  
LON: 80°07'59.5650"  
UTM COORDINATES  
(NAD 83-METER)  
N: 4351973.495  
E: 574724.413

**POINT OF PROVEN ELEVATION**  
47-091-00195  
LAT: 39°18'17.3934"  
LON: 80°07'49.1072"  
ELEV=1401.757



**MICHAEL R. HYMAN**  
LICENSED  
No. 983  
STATE OF WEST VIRGINIA  
PROFESSIONAL SURVEYOR  
Michael R. Hyman, P.S. 983

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 DEPARTMENT OF ENVIRONMENTAL PROTECTION.

FILE NO. 030-2175  
SCALE: 1"=2000'  
MINIMUM DEGREE OF ACCURACY: 1 in 2500  
PROVEN SOURCE OF ELEVATION: OPUS SURVEY GRADE GPS

**STATE OF WEST VIRGINIA**  
DIVISION OF ENVIRONMENTAL PROTECTION  
**OFFICE OF OIL & GAS**

DATE NOVEMBER 26, 2012  
OPERATOR'S WELL NO. ARMSTRONG/REYNOLDS NO. 3HM  
API WELL NO. 47 - 091 - 01279 H64  
STATE COUNTY PERMIT

WELL TYPE: OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL  (IF "GAS"), PRODUCTION  STORAGE  DEEP  SHALLOW   
LOCATION: ELEVATION: 1410.42' WATER SHED: BUCK RUN  
DISTRICT: FLEMINGTON COUNTY: TAYLOR  
QUADRANGLE: ROSEMONT 7.5' ACREAGE: 265 AC±  
SURFACE OWNER: PAULINE W. RIDENOUR LEASE ACREAGE: 735 AC+  
OIL & GAS ROYALTY OWNER: EUGENE ARMSTRONG & T. MARIE REYNOLDS LEASE NO. \_\_\_\_\_  
PROPOSED WORK: DRILL  CONVERT  DRILL DEEPER  REDRILL  FRACTURE OR STIMULATE   
PERFORATE NEW FORMATION  PLUG  OLD FORMATION  OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_

**THRASHER**  
ENGINEERING  
OIL AND GAS DIVISION  
30 COLUMBIA BLVD.  
CLARKSBURG, WV 26301  
PHONE 304-624-4108

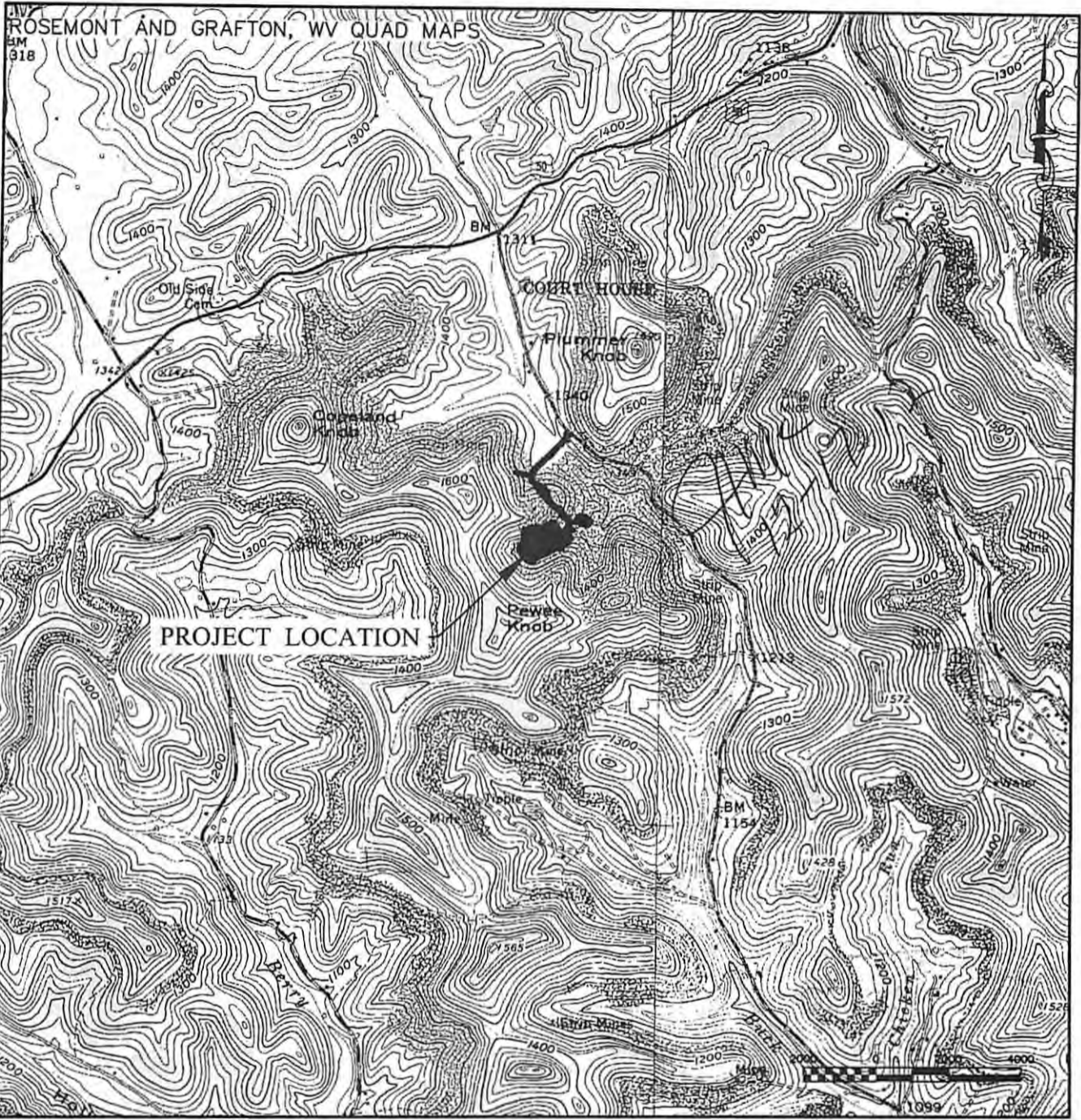
PLUG AND ABANDON \_\_\_\_\_ CLEAN OUT AND REPLUG \_\_\_\_\_  
TARGET FORMATION: MARCELLUS SHALE ESTIMATED DEPTH: 7,912' TVD / 13,750' MD

WELL OPERATOR: PDC MOUNTAINEER, LLC. DESIGNATED AGENT: JAMIE HAGA  
ADDRESS: 120 GENESIS BOULEVARD ADDRESS: 120 GENESIS BOULEVARD  
BRIDGEPORT, WV 26330 BRIDGEPORT, WV 26330

91-01279 4-29-13

# ARMSTRONG-REYNOLDS 1HM, 2HM, 3HM, AND 4HM

## SITE MAP



PDC MOUNTAINEER

PHONE  
(304) 624-4108

**THRASHER**  
ENGINEERING

(FAX)  
(304) 624-7831

CIVIL • ENVIRONMENTAL • CONSULTING • FIELD SERVICES  
30 COLUMBIA BOULEVARD - CLARKSBURG, WV 26301