

Well is located on topo map 154' feet south of Latitude: 39° 52' 30"

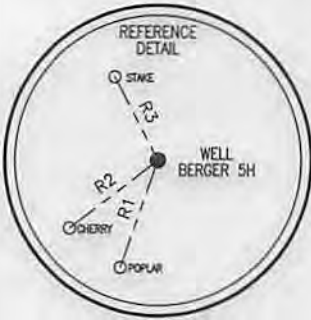
Well is located on topo map 1268' feet west of Longitude: 80° 45' 00"

SURFACE HOLE LOCATION (SHL)	APPROX. LANDING POINT	BOTTOM HOLE LOCATION (BHL)
UTM 17-NAD83 N:4413863.18 E:520990.08	UTM 17-NAD83 N:4413818.70 E:521087.76	UTM 17-NAD83 N:4412257.19 E:522204.87
NAD83, WV NORTH N:503116.88 E:1616409.51	NAD83, WV NORTH N:502965.56 E:1616727.62	NAD83, WV NORTH N:497780.22 E:1620307.88

LINE	BEARING	DISTANCE
R1	S 19°31'40" W	234.21'
R2	S 52°46'29" W	231.31'
R3	N 27°48'04" W	194.26'
R4	S 77°52'06" W	1289.84'
R5	S 67°06'05" W	1225.84'
R6	S 37°15'39" E	981.10'

NOTES:

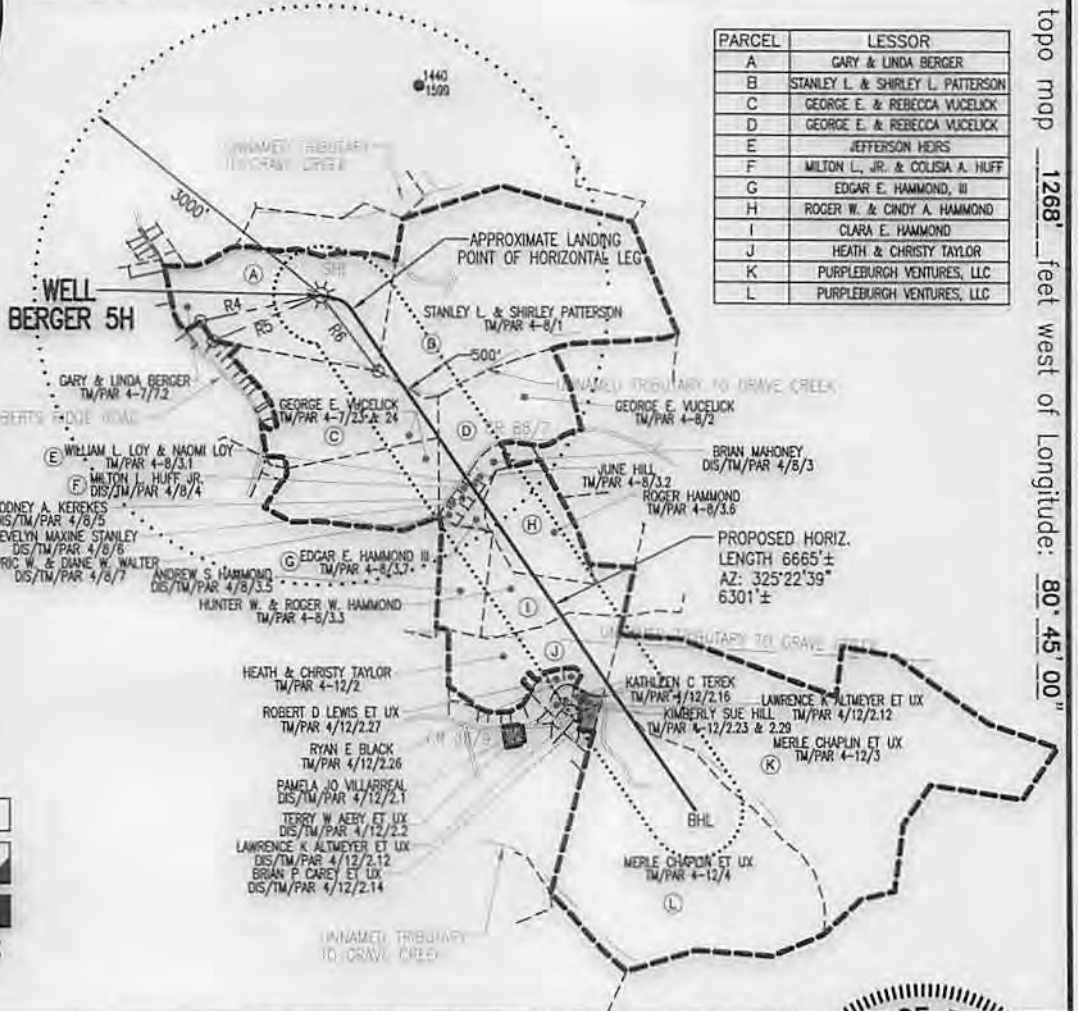
1. There are no water wells or developed springs within 250' of proposed well.
2. There are no existing buildings within 625' of proposed well.
3. Proposed well is greater than 100' from perennial stream, wetland, pond, reservoir or lake.
4. There are no native trout streams within 300' of proposed well.
5. Proposed well is greater than 1000' from surface/groundwater intake or public water supply.
6. It is not the purpose or intention of this plat to represent surveyed locations of the surface or mineral parcels depicted hereon. The location of the boundary lines, as shown, are based on record deed descriptions, field evidence found and/or tax map position, unless otherwise noted.



PARCEL	LESSOR
A	GARY & LINDA BERGER
B	STANLEY L. & SHIRLEY L. PATTERSON
C	GEORGE E. & REBECCA VUCELICK
D	GEORGE E. & REBECCA VUCELICK
E	JEFFERSON HEIRS
F	MILTON L. JR. & COLISA A. HUFF
G	EDGAR E. HAMMOND, III
H	ROGER W. & CINDY A. HAMMOND
I	CLARA E. HAMMOND
J	HEATH & CHRISTY TAYLOR
K	PURPLEBURGH VENTURES, LLC
L	PURPLEBURGH VENTURES, LLC

LEGEND

- TOPO MAP POINT
- WELL
- ALL ARE POINTS UNLESS OTHERWISE NOTED.
- WATER SOURCE
- MINERAL TRACT BOUNDARY
- PARCEL LINES
- WELL REFERENCE
- PROPOSED HORIZONTAL WELL
- ROAD
- STREAM CENTER LINE
- WELLS WITHIN 3000'
- EXISTING WELLS
- PLUGGED WELLS



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

FILE #: BERGER 5H
DRAWING #: BERGER 5H
SCALE: 1" = 2000'
MINIMUM DEGREE OF ACCURACY: 1/2500
PROVEN SOURCE OF ELEVATION: U.S.G.S. MONUMENT THOMAS 1498.81'

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: *[Signature]*
R.P.E.: _____ L.L.S.: P.S. No. 2000

GEORGE D. SIX
LICENSED
No. 2000
STATE OF WEST VIRGINIA
PROFESSIONAL SURVEYOR
PLACE SEAL HERE

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



DATE: SEPTEMBER 5, 2013
OPERATOR'S WELL #: BERGER 5H
API WELL #: 47 51 **01705 H6A**
STATE COUNTY PERMIT

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

WATERSHED: MIDDLE GRAVE CREEK - GRAVE CREEK ELEVATION: 1287.56'

COUNTY/DISTRICT: MARSHALL / CLAY QUADRANGLE: POWHATAN, OH-WV 7.5'

SURFACE OWNER: GARY & LINDA BERGER ACREAGE: 51.753±

OIL & GAS ROYALTY OWNER: GARY & LINDA BERGER ACREAGE: 597.274±

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

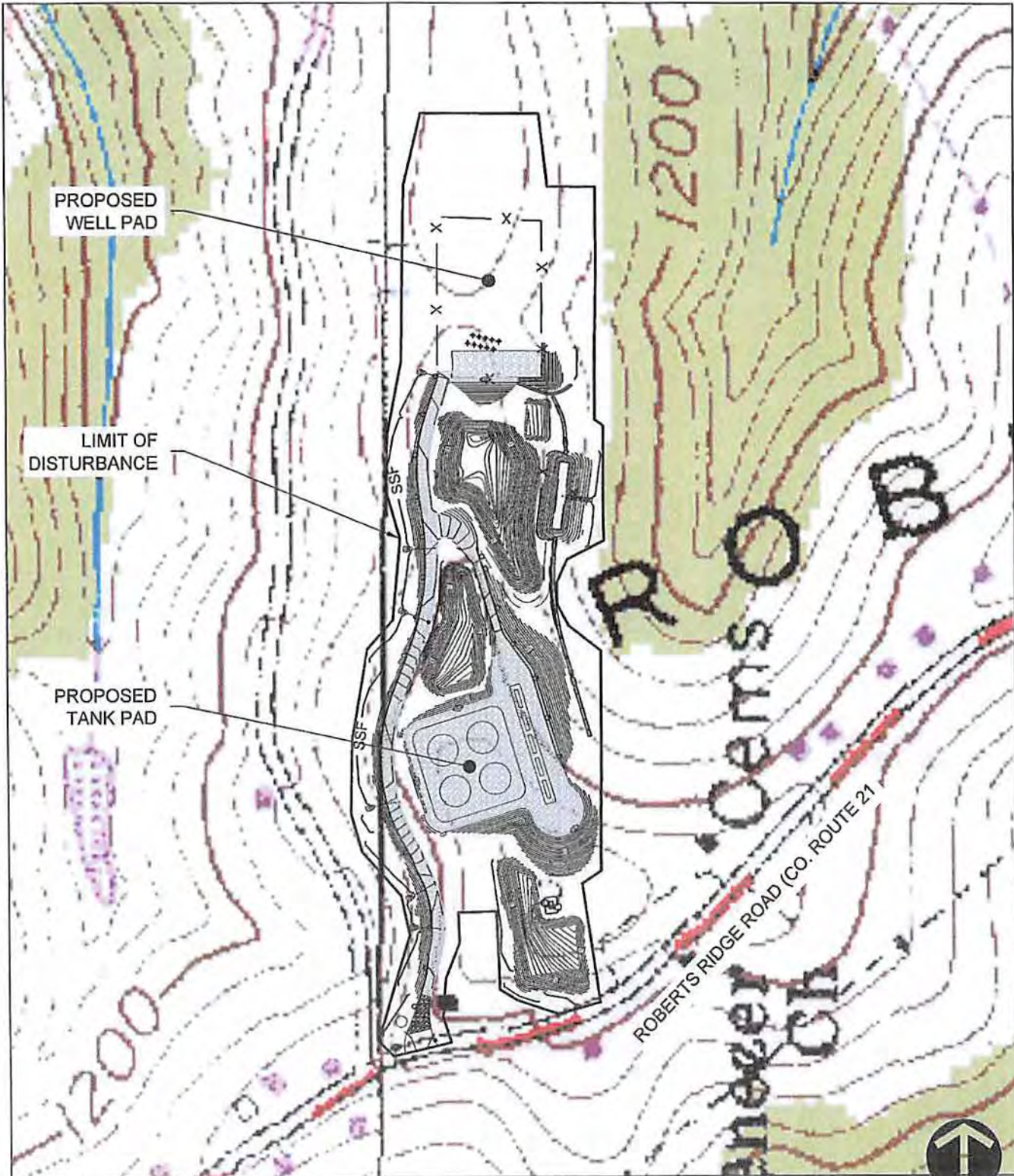
TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: TVD: 6,538± TMD: 13,287±

WELL OPERATOR: CHEVRON APPALACHIA, LLC DESIGNATED AGENT: KENNETH E. TAWNEY

Address: 800 MOUNTAIN VIEW DRIVE Address: 500 LEE STREET, EAST SUITE 1600

City: SMITHFIELD State: PA Zip Code: 15478 City: CHARLESTON State: WV Zip Code: 25301-3202

02/28/2014



SITE USGS LOCATION MAP
 POWHATAN POINT AND BUSINESSBURG USGS QUADS
 SCALE: 1" = 300'



USGS SITE LOCATION MAP
 Project Number: C-1784-5000
 Drawing Scale: 1"=300'
 Date Issued: 02/24/2011
 Index Number:
 Drawn By: CAG
 Checked By: JJJ
 Project Manager: JJJ

BERGER WELLS AND TANK PAD
 ROBERTS RIDGE ROAD (CO. ROUTE 21), CLAY DISTRICT
 MARSHALL COUNTY, WEST VIRGINIA
 PREPARED FOR:
CHEVRON APPALACHIA, LLC
 800 MOUNTAIN VIEW DRIVE
 SMITHFIELD, PA 15478

Date	No	REVISION RECORD
-	01	
-	02	
-	03	
-	04	
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-	06	
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-	08	

RECEIVED
Office of Oil and Gas
 Consulting Engineers & Surveyors
 400 Holiday Drive, Suite 300 Pittsburgh, PA 15220
 Phone (412) 921-4030 - Fax (412) 921-9990
 • Buffalo, PA 17240-3516 • Harrisburg, PA (717) 228-2102
 Web: www.gatewayeng.com

Plot & Plotters: G:\Projects\17800\17844 Atlas Energy\2010 Report\Wells\Map\02-Sheets\0505-EAS-Exhibit.dwg
 Plot Date: 02/25/11 4:36 PM Joseph M. Galbreath Save Date: 02/25/11 4:38 PM