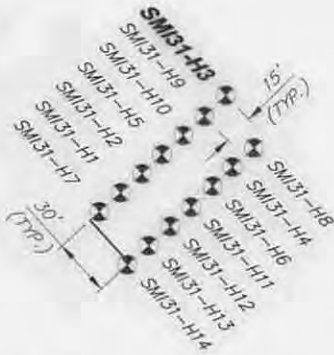


**EQT PRODUCTION COMPANY
BARNES LEASE
115.2 ACRES ±
WELL NO. WV 514668**

SMI 31 WELLS

- H1 - WV 514666
- H2 - WV 514667
- H3 - WV 514668**
- H4 - WV 514669
- H5 - WV 514670
- H6 - WV 514671
- H7 - WV 514672
- H8 - WV 514673
- H9 - WV 514674
- H10 - WV 514675
- H11 - WV
- H12 - WV
- H13 - WV
- H14 - WV

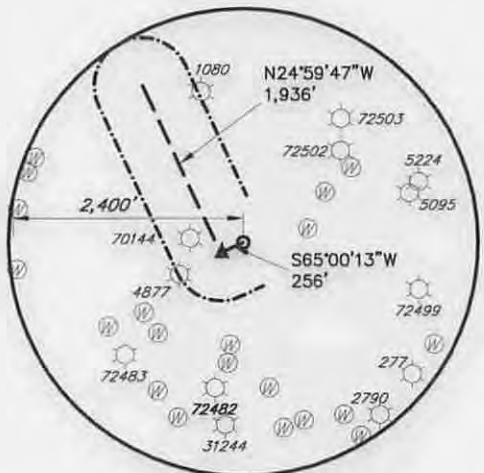
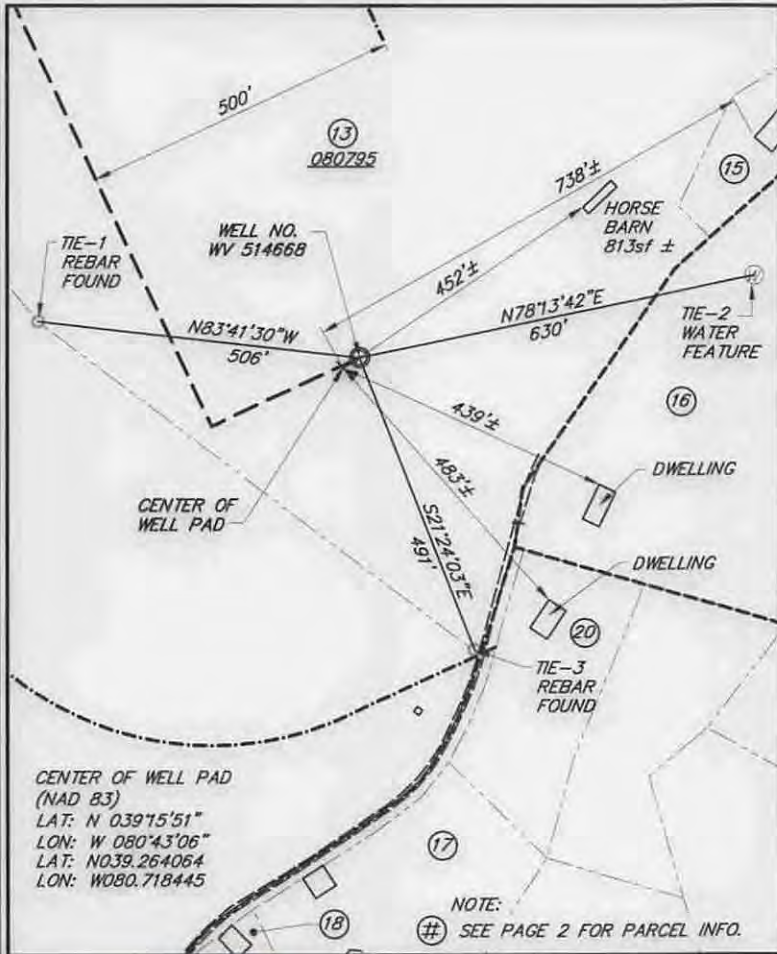


NOTES ON SURVEY

1. TIES TO WELLS, CORNERS AND REFERENCES ARE BASED ON GRID NORTH FOR THE WV STATE PLANE COORDINATE SYSTEM NORTH ZONE NAD '83
2. SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF DODDRIDGE COUNTY IN AUGUST, 2013
3. WELL LAT./LONG. (NAD'27) ESTABLISHED BY GPS
4. THE LOCATION OF BOUNDARY LINES SHOWN HEREIN ARE BASED ON RECORD DEED, PLATS AND TAX MAPS BEST FIT TO FOUND FIELD EVIDENCE AND AERIAL PHOTOS, UNLESS OTHERWISE NOTED.
5. THIS PLAT DOES NOT REPRESENT AN ACTUAL BOUNDARY SURVEY OF THE INDIVIDUAL PARCELS.
6. THERE ARE NO EXISTING WATER WELLS OR DEVELOPED SPRINGS WITHIN 250' OF PROPOSED WELL.
7. A NWP-39 HAS BEEN OBTAINED TO FILL A SMALL WETLAND WITHIN THE PAD. THE WELL PAD LOD IS GREATER THAN 100' FROM PERENNIAL STREAMS, OTHER WETLANDS, PONDS, RESERVOIRS, OR LAKES.
8. THERE IS A DWELLING WITHIN 439'± OF THE PROPOSED CENTER OF THE WELL PAD. THERE IS A SECOND DWELLING WITHIN 483'± OF THE PROPOSED CENTER OF THE WELL PAD.

GRID NORTH
NAD 83

WELLHEAD LAYOUT
1" = 100'



WELLHEAD TIES
1" = 300'

EXISTING WELL LOCATIONS
SCALE: 1" = 2000'

WWW.ENCOMPASSSERVICES.COM PLOT DATE: 12/18/2014 CAD FILE: SMI31_WELL_PLAT-12-18-2014.DWG

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 REGULATIONS ISSUED AND PRESCRIBED BY THE DIVISION OF ENVIRONMENTAL PROTECTION.

P.S. 2005



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

DATE DECEMBER 18, 20 14
 OPERATORS WELL NO. WV 514668
 API WELL NO. 47
 STATE 017 COUNTY 06604 PERMIT H6A

MINIMUM DEGREE OF ACCURACY ±3' FILE NO. BARNES_WELL PLAT
 PROVEN SOURCE OF ELEVATION GPS SCALE: AS NOTED

SHEET NO.
1 OF 2

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

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL IF "GAS" PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: 875' (GROUND)
 ELEVATION 884' (PROPOSED) WATERSHED MEATHOUSE FORK
 DISTRICT NEW MILTON COUNTY DODDRIDGE QUADRANGLE SMITHBURG
 SURFACE OWNER DONALD BARNES/RONALD G. BARNES ACREAGE 77.53± AC/37.674± AC
 ROYALTY OWNER DONALD BARNES et al LEASE ACREAGE 115.20± AC
 PROPOSED WORK: LEASE NO. 080795
 DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD
 FORMATION PERFORATE NEW FORMATION PLUG AND ABANDON CLEAN OUT AND REPLUG OTHER
 PHYSICAL CHANGE IN WELL (SPECIFY) _____ TARGET FORMATION MARCELLUS
 ESTIMATED DEPTH 6434'

WELL OPERATOR EQT PRODUCTION COMPANY DESIGNATED AGENT: REX C. RAY
 ADDRESS 115 PROFESSIONAL PLACE BRIDGEPORT, WV 26330 ADDRESS: 115 PROFESSIONAL PLACE BRIDGEPORT, WV 26330

COUNTY NAME PERMIT

04/10/2015

GRID NORTH
NAD 83

LEGEND

- EXISTING GAS WELL
- WATER FEATURE
- LEASE BOUNDARY
- PROPERTY LINE
- STREAM

WELL NO. WV 514668

1. BUILD-OUT
BEARING - S65°00'13"W
LENGTH - 256'
2. LATERAL
BEARING - N24°59'47"W
LENGTH - 1,936'

**EQT PRODUCTION COMPANY
BARNES LEASE
115.2 ACRES ±
WELL NO. WV 514668**

TOP HOLE

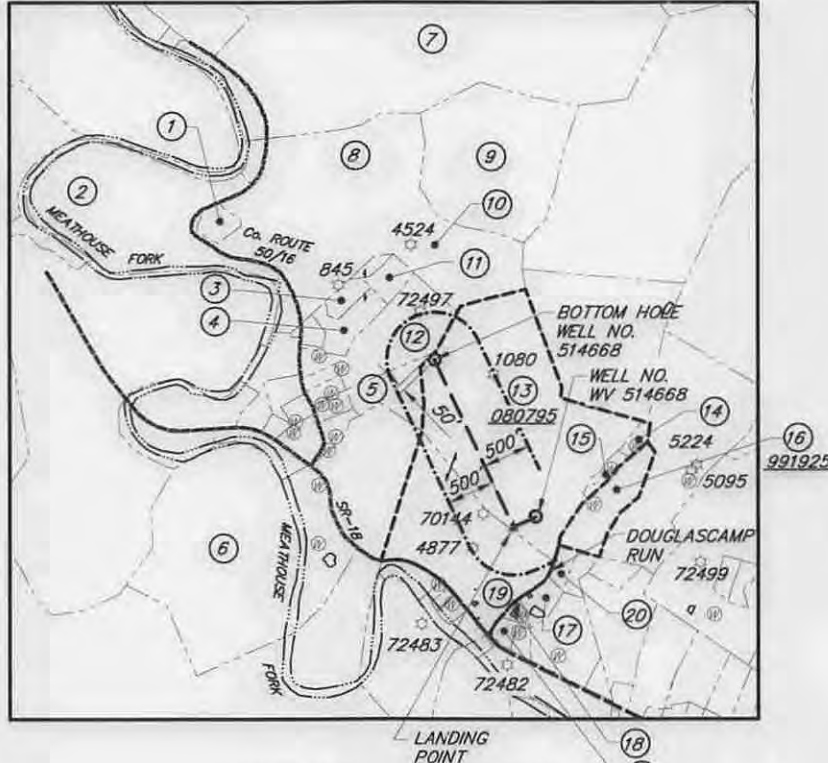
NAD'27 S.P.C. (FT)	N. 280,613.6	E. 1,654,991.4
NAD'27 GEO	LAT-(N) 39.264026	LONG-(W) 80.718530
NAD'83 UTM 17N (M)	N. 4,346,123.7	E. 524,297.2
NAD'83 S.P.C. (FT)	N. 280,649.4	E. 1,623,550.2

LANDING POINT

NAD'27 S.P.C. (FT)	N. 280,505.6	E. 1,654,759.7
NAD'27 GEO	LAT-(N) 39.263721	LONG-(W) 80.719344
NAD'83 UTM 17N (M)	N. 4,346,089.6	E. 524,227.1
NAD'83 S.P.C. (FT)	N. 280,541.3	E. 1,623,318.5

BOTTOM HOLE

NAD'27 S.P.C. (FT)	N. 282,260.0	E. 1,653,941.7
NAD'27 GEO	LAT-(N) 39.268507	LONG-(W) 80.722316
NAD'83 UTM 17N (M)	N. 4,346,620.0	E. 523,969.0
NAD'83 S.P.C. (FT)	N. 282,295.7	E. 1,622,500.5



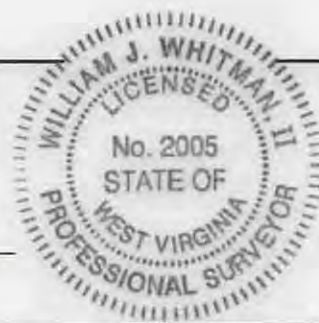
LATERALS - LAYOUT PLAN
1" = 2,000'

PARCEL OWNERS				
NUMBER	TAX MAP ID	OWNER	ACRES ±	LEASE
1	TM1-4	ELWOOD & ELIZABETH RILL	15.6	-
2	TM1-2	COUNTY COURT OF DODDRIDGE COUNTY	57.7	-
3	TM1-7.1	PATRICK & PENNY PRICE	2.30	-
4	TM1-7.9	PATRICK & PENNY PRICE	6.74	-
5	TM1-7.13	SAMUEL & PAULA WEEKLY	8.85	-
6	TM1-9	ROBERT S. MAXWELL	105.27	-
7	TM16-15.2	GENE & LINDA MOOSE	148	-
8	TM1-3	ELWOOD & ELIZABETH RILL	60.5	-
9	TM1-4	ELWOOD & ELIZABETH RILL	43.0	-
10	TM1-3	ELWOOD & ELIZABETH RILL	23.25	-
11	TM1-7.15	ROGER & NORA ANN NICHOLSON	3.11	-
12	TM1-7.12	SAMUEL & PAULA WEEKLY	15.72	-
13	TM1-10	DONALD BARNES & RONALD G. BARNES	77.53	080795
14	TM1-10.1	ALICIA GAWRORISKI	1.29	-
15	TM1-10.2	DAVID & CANDY MULLAN	1.01	-
16	TM1-11	VICTOR & PEGGY SMITH	10.0	991925
17	TM3-4.5	WEEKLEY, HOMER L. & DELORES M.	2.78	-
18	TM3-4.2	HOMER & DELORES WEEKLY	0.71	-
19	TM1-10.3	RONALD G. BARNES	37.674	080795
20	TM3-4.7	JOHN R. ADRIAN	1.69	-
21	TM3-4.6	WEEKLEY, HOMER L. & DELORES M.	1.49	-



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SHEET NO.
2 OF 2

STATE OF WEST VIRGINIA
 DIVISION OF ENVIRONMENTAL PROTECTION
 OFFICE OF OIL AND GAS 04/10/2015