

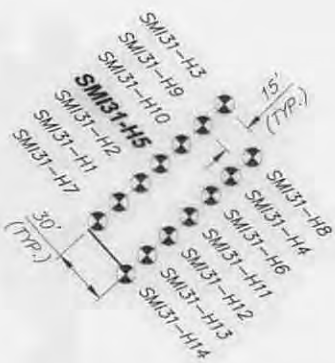
**EQT PRODUCTION COMPANY
BARNES LEASE
115.2 ACRES ±
WELL NO. WV 514670**

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.

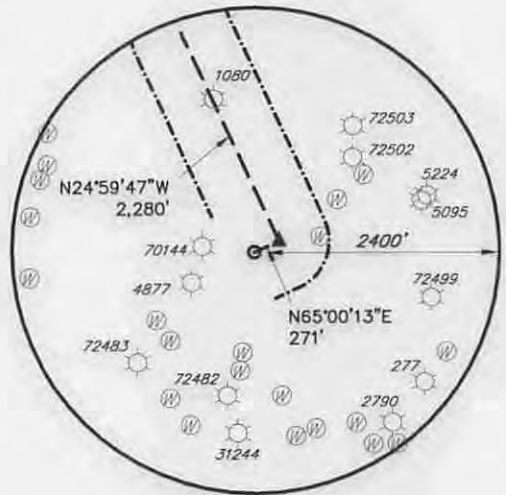
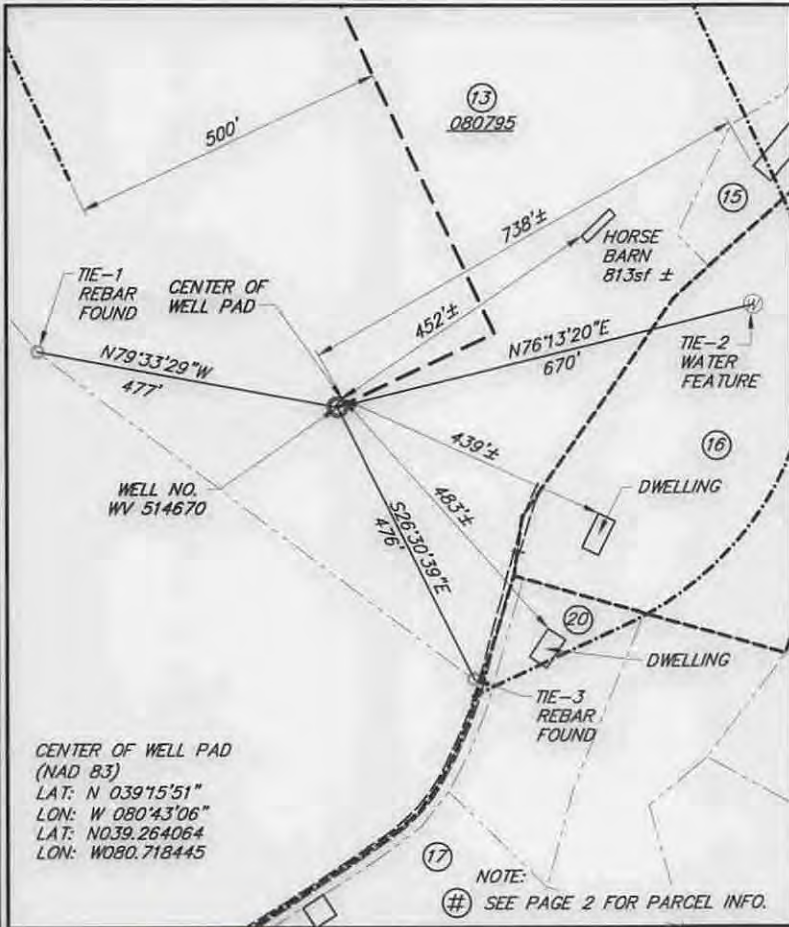
SMI 31 WELLS

- 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



WELLHEAD LAYOUT

1" = 100'



EXISTING WELL LOCATIONS

SCALE: 1" = 2000'



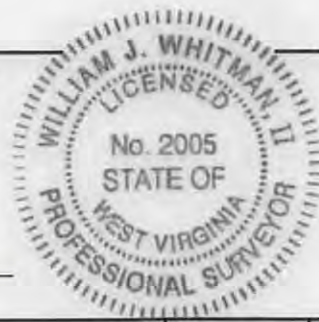
WELLHEAD TIES

1" = 300'

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

[Signature]



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

DATE DECEMBER 18, 2014
 OPERATORS WELL NO. WV 514670
 API WELL NO. 47 STATE 017 COUNTY 06605 H6A
 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

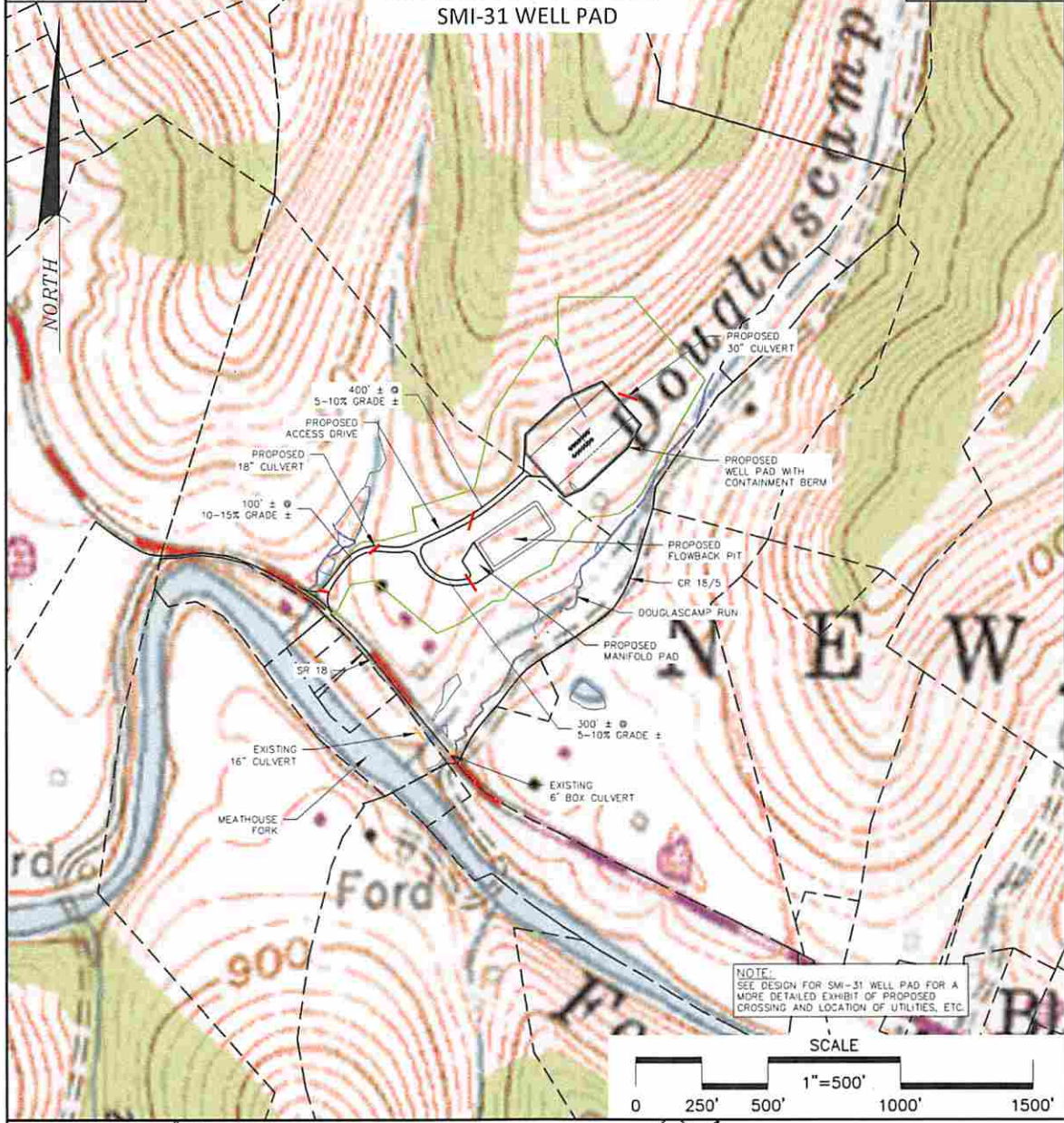
WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL IF "GAS" PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: 875' (GROUND)
 ELEVATION 884' (PROPOSED) WATERSHED MEATHOUSE FORK
 DISTRICT NEW MILTON COUNTY DODDRIDGE QUADRANGLE SMITHBURG
 SURFACE OWNER DONALD BARNES/RONALD G. BARNES ACREAGE 77.53± AC/37.674± AC
 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 GENESE0
 ESTIMATED DEPTH 6331'

WELL OPERATOR EQT PRODUCTION COMPANY DESIGNATED AGENT: REX C. RAY
 ADDRESS 115 PROFESSIONAL PLACE P.O. BOX 280 BRIDGEPORT, WV 26330 ADDRESS: 115 PROFESSIONAL PLACE BRIDGEPORT, WV 26330

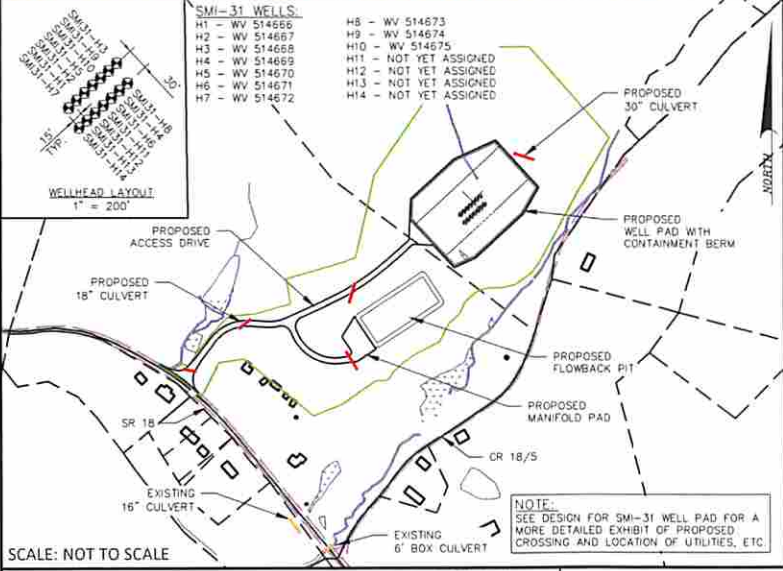
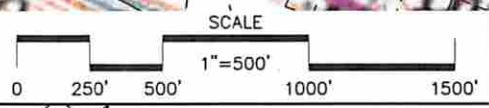
WWW.ENCOMPASSSERVICES.COM PLOT DATE: 12/18/2014 CAD FILE: SMI31_WELL PLAT-12-18-2014.DWG

COUNTY NAME PERMIT

04/10/2015



NOTE:
SEE DESIGN FOR SMI-31 WELL PAD FOR A MORE DETAILED EXHIBIT OF PROPOSED CROSSING AND LOCATION OF UTILITIES, ETC.



ALL ROADS SHOWN ARE EXISTING UNLESS OTHERWISE NOTED AND SHALL BE MAINTAINED IN ACCORDANCE WITH WV DEP OIL AND GAS BMP MANUAL ENTRANCES AT COUNTY/STATE ROADS SHALL BE MAINTAINED IN ACCORDANCE WITH WV DOT REGULATION SEPARATE PERMITS MAY BE REQUIRED BY DOT.

SEDIMENT BASINS (TRAPS) AND APPROPRIATE EROSION CONTROL BARRIERS ARE TO BE CONSTRUCTED AT ALL CULVERT AND CROSS DRAIN INLETS AND OUTLETS AS REQUIRED IN THE WV DEP OIL AND GAS BMP MANUAL. FIELD CONDITIONS (ROCK OUTCROPS AND BEDROCK) MAY PROHIBIT INLET TRAPS BEING INSTALLED. WHEN THESE CONDITIONS EXIST ADDITIONAL EROSION CONTROL MEASURES SHALL BE EVALUATED AND UTILIZED AS NEEDED.

EARTHWORK CONTRACTORS ARE RESPONSIBLE FOR NOTIFICATION TO THE OPERATOR AND INSPECTOR PRIOR TO ANY DEVIATION FROM THE PLAN.

TEMPORARY SEED AND MULCH ALL SLOPES AFTER CONSTRUCTION OF LOCATION.

CUT AND STACK ALL REMOVED TIMBER.

STACKED BRUSH MAY BE USED FOR SEDIMENT CONTROL.

APPLICATIONS FOR SEPARATE PLC PERMITS ON THE ACCESS ROAD STREAM CROSSINGS HAVE BEEN PREPARED (IF APPLIES).

— = PROPOSED CULVERT 24" MIN UNLESS OTHERWISE NOTED
— = EXISTING CULVERT
— = APPROXIMATE LIMIT OF DISTURBANCE

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RECEIVED
 Office of Oil and Gas
 SEP 02 2014
 West Virginia Department of Environmental Protection

CONSTRUCTION AND RECLAMATION PLAN
SMI-31 WELL PAD
 NEW MILTON TAX DISTRICT DODDRIDGE COUNTY, WV

EQT **RETTEW**
 Where energy meets innovation. RETTEW Associates, Inc
 Twin Towers,
 4955 Steubenville Pike,
 Suite 305
 Pittsburgh, PA 15205

DRAWN BY: DAW
 DATE: 07/18/2014
 SCALE: AS NOTED

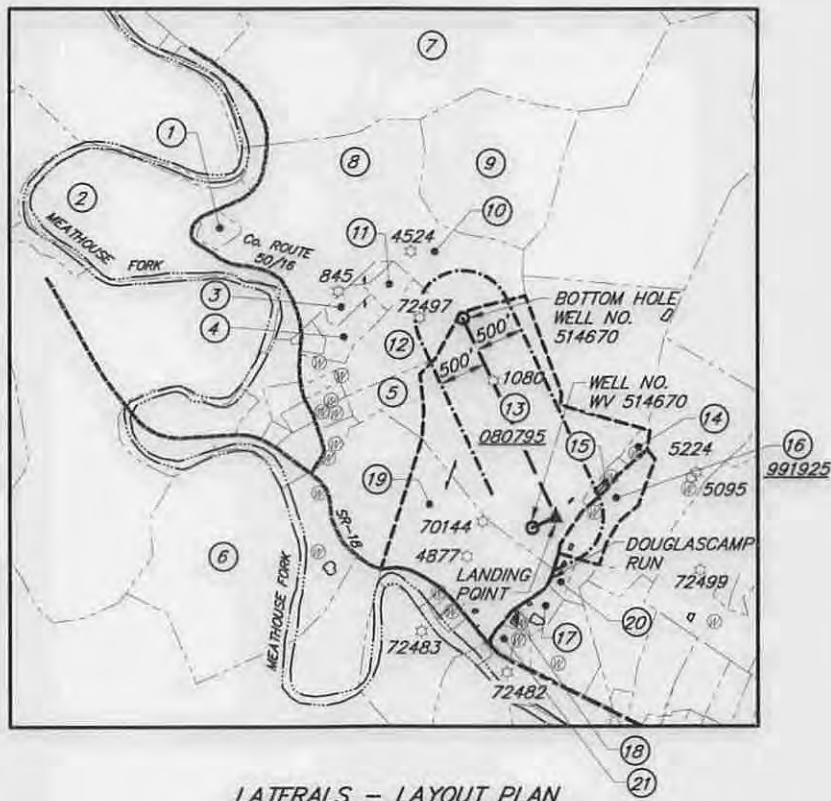
GRID NORTH
NAD 83

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

**EQT PRODUCTION COMPANY
BARNES LEASE
115.2 ACRES ±
WELL NO. WV 514670**

- WELL NO. WV 514670**
1. BUILD-OUT
BEARING - N65°00'13"E
LENGTH - 271'
 2. LATERAL
BEARING - N24°59'47"W
LENGTH - 2,280'

TOP HOLE		
NAD'27 S.P.C. (FT)	N. 280,582.7	E. 1,654,957.9
NAD'27 GEO	LAT-(N) 39.263940	LONG-(W) 80.718647
NAD'83 UTM 17N (M)	N. 4,346,114.2	E. 524,287.1
NAD'83 S.P.C. (FT)	N. 280,618.4	E. 1,623,516.8
LANDING POINT		
NAD'27 S.P.C. (FT)	N. 280,697.1	E. 1,655,203.3
NAD'27 GEO	LAT-(N) 39.264263	LONG-(W) 80.717786
NAD'83 UTM 17N (M)	N. 4,346,150.2	E. 524,361.3
NAD'83 S.P.C. (FT)	N. 280,732.8	E. 1,623,762.1
BOTTOM HOLE		
NAD'27 S.P.C. (FT)	N. 282,763.3	E. 1,654,239.9
NAD'27 GEO	LAT-(N) 39.269900	LONG-(W) 80.721287
NAD'83 UTM 17N (M)	N. 4,346,774.8	E. 524,057.3
NAD'83 S.P.C. (FT)	N. 282,799.1	E. 1,622,798.8



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