



west virginia department of environmental protection

Office of Oil and Gas
601 57th Street, S.E.
Charleston, WV 25304
(304) 926-0450
fax: (304) 926-0452

Jim Justice, Governor
Austin Caperton, Cabinet Secretary
www.dep.wv.gov

PERMIT MODIFICATION APPROVAL
Horizontal 6A / Horizontal 6A Well - 1

EQT PRODUCTION COMPANY
120 PROFESSIONAL PLACE
BUILDING II
BRIDGEPORT, WV 26330

Re: Permit Modification Approval for 516483
47-017-06768-00-00

Updated surface owner tract chart on page 2 of plat, change in curve of well bore.

EQT PRODUCTION COMPANY

The Office of Oil and Gas has reviewed the attached permit modification for the above referenced permit. The attached modification has been approved and well work may begin. Please be reminded that the oil and gas inspector is to be notified twenty-four (24) hours before permitted well work is commenced.

If there are any questions, please feel free to contact me at (304) 926- 0450.



James A. Martin
Chief

Operator's Well Number: 516483
Farm Name: HAESSLY LAND & TIMBER LLC
U.S. WELL NUMBER: 47-017-06768-00-00
Horizontal 6A / Horizontal 6A Well - 1
Date Issued: 2/16/2017

Promoting a healthy environment.

02/17/2017



February 7, 2017

Ms. Gene Smith
West Virginia Department of Environmental Protection
Office of Oil and Gas
601 57th Street SE
Charleston, WV 25304

Re: Modification of API 47-01706768

Dear Mr. Smith,

Enclosed is an updated mylar for the above API number. The chart on page 2 was updated and the curve was changed slightly. The top hole and bottom hole were not changed.

If you have any questions, please do not hesitate to contact me at (304) 848-0076.

Sincerely,

A handwritten signature in blue ink, appearing to read 'Vicki L'.

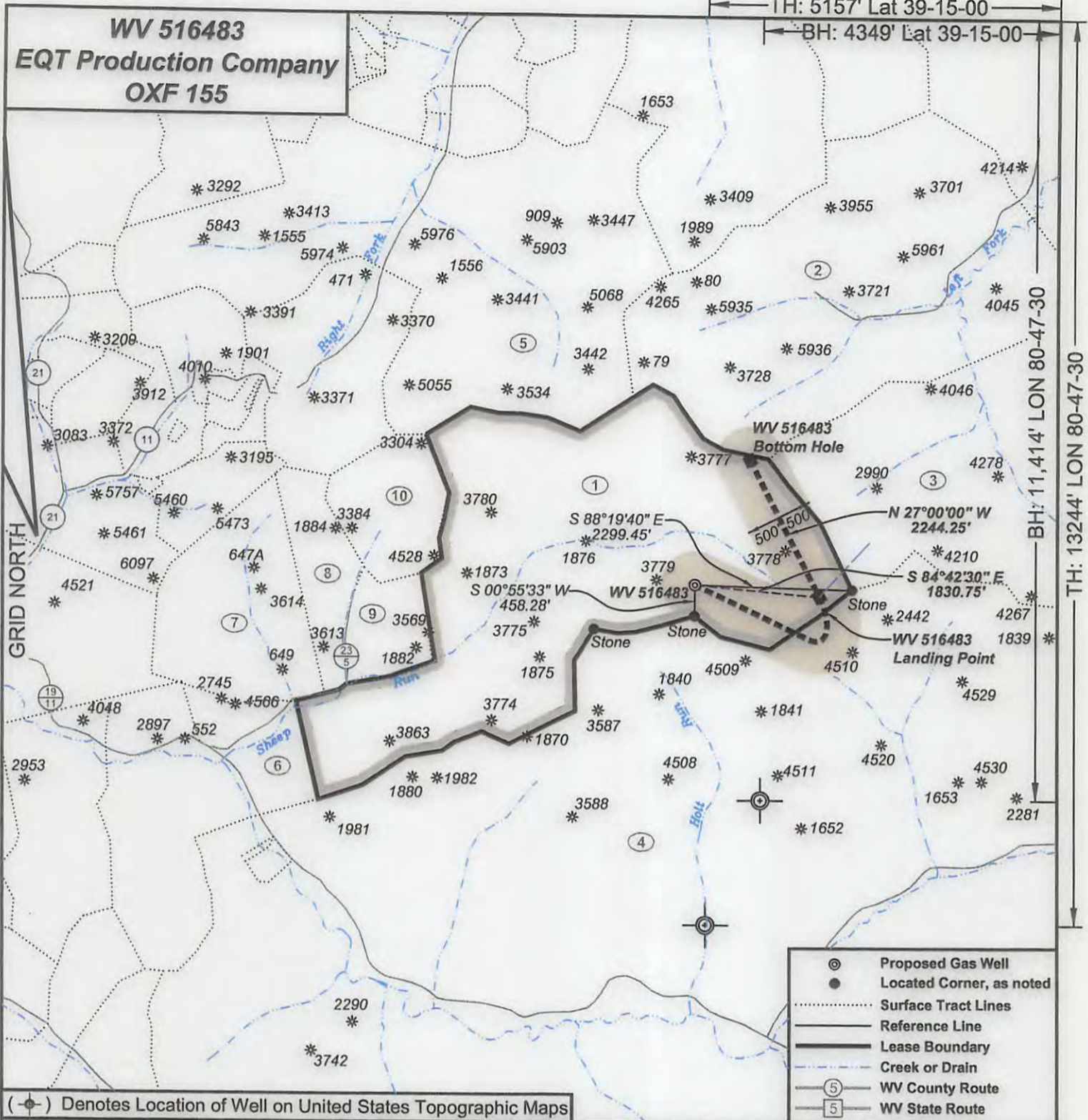
Vicki Roark
Permitting Supervisor-WV

Enc.

RECEIVED
Office of Oil and Gas
FEB 14 2017
WV Department of
Environmental

WV 516483
EQT Production Company
OXF 155

TH: 5157' Lat 39-15-00
 BH: 4349' Lat 39-15-00



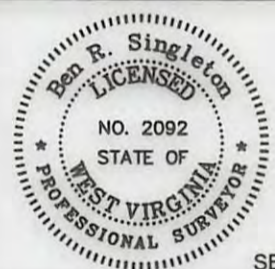
(⊕) Denotes Location of Well on United States Topographic Maps

- ⊕ Proposed Gas Well
- Located Corner, as noted
- Surface Tract Lines
- Reference Line
- Lease Boundary
- Creek or Drain
- ⑤ WV County Route
- ⑤ WV State Route



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.

Ben R. Singleton
 P.S. 2092



SEAL

FILE NO: 239-13
 DRAWING NO: OXF155 H7
 SCALE: 1" = 2000'
 MINIMUM DEGREE OF ACCURACY: 1:2500
 PROVEN SOURCE OF ELEVATION: NGS CORS Station

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

DATE: January 23 20 17
 OPERATOR'S WELL NO. 516483
 API WELL NO
 47 - 017 - 06768
 STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF GAS) PRODUCTION: STORAGE DEEP SHALLOW
 LOCATION: ELEVATION: Original 1212.5 Proposed 1199 WATERSHED Sheep Run of South Fork of Hughes River QUADRANGLE: Oxford
 DISTRICT: South West COUNTY: Doddridge
 SURFACE OWNER: Haessly Land & Timber, LLC ACREAGE: 615
 ROYALTY OWNER: Eli Nutter Heirs LEASE NO: 106125 ACREAGE: 615
 PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY)
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus ESTIMATED DEPTH: 6,611

02/17/2017

WELL OPERATOR: EQT Production Company DESIGNATED AGENT: Rex C. Ray
 ADDRESS: 115 Professional Place PO Box 280 ADDRESS: 115 Professional Place PO Box 280
 Bridgeport, WV 26330 Bridgeport, WV 26330

WV 516483
EQT Production Company
OXF 155

Oxford 155

H7, 516483 ©
H6, 513069 ©
H5, 513068 ©
H4, 513067 ©
H3, 513066 ©
H2, 513065 ©
H1, 513064 ©

| Tract I.D. | Tax Map No. | Parcel No. | County | District | Surface Tract Owner | Acres |
|------------|-------------|------------|-----------|------------|---------------------------------|---------|
| 1 | 5 | 4 | Doddridge | South West | Haessly Land & Timber, LLC | 615.00 |
| 2 | 23 | 3.1 | Doddridge | West Union | William Randall Hamblet, et al. | 442.60 |
| 3 | 23 | 3 | Doddridge | West Union | Lucy E. Harper | 442.60 |
| 4 | 10 | 2 | Doddridge | South West | I. L. (Ike) Morris | 6600.75 |
| 5 | 22 | 14 | Doddridge | West Union | Haessly Land & Timber, LLC | 485.00 |
| 6 | 5 | 6 | Doddridge | South West | William Bonnell | 70.00 |
| 7 | 5 | 4 | Doddridge | South West | Haessly Land & Timber, LLC | 615.00 |
| 8 | 5 | 1 | Doddridge | South West | Matthew J. & Dana H. Aksila | 44.89 |
| 9 | 5 | 3 | Doddridge | South West | Haessly Land & Timber, LLC | 42.22 |
| 10 | 5 | 2 | Doddridge | South West | Matthew J. & Dana H. Aksila | 70.40 |

Proposed Gas Well
 Located Corner, as noted
 Surface Tract Lines
 ——— Reference Line
 ——— Lease Boundary
 - - - - - Creek or Drain
 WV County Route
 WV State Route

WV 516483 coordinates:
 NAD 27 N: 262,624.13 E: 1,628,852.25
 NAD 27 Lat: 39.213629 Long: -80.809912
 NAD 83 UTM N: 4,340,510.27 E: 516,425.35

WV 516483 Landing Point coordinates:
 NAD 27 N: 262,455.29 E: 1,630,675.19
 NAD 27 Lat: 39.213238 Long: -80.803470
 NAD 83 UTM N: 4,340,468.11 E: 516,981.56

WV 516483 Bottom Hole coordinates:
 NAD 27 N: 264,454.93 E: 1,629,656.32
 NAD 27 Lat: 39.218687 Long: -80.807168
 NAD 83 UTM N: 4,341,072.10 E: 516,661.00

West Virginia Coordinate System of 1927 (North Zone) based upon Differential GPS Measurements.
 Plat orientation, corner and well ties are based upon the grid north meridian.
 Well location references are based upon the grid north meridian.
 UTM coordinates are NAD83, Zone 17, Meters.

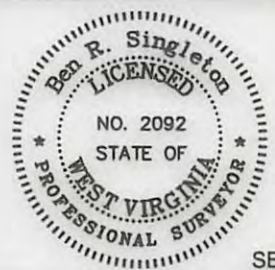


| Sub Surface | Acres | Owner |
|-------------|---------|-------------------|
| Tract 4 | 6600.75 | I.L. (Ike) Morris |



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