

LATITUDE: 40°10'00" SURFACE HOLE (2000' SCALE) | 7438'

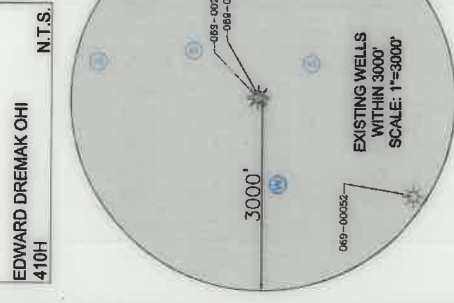
LATITUDE: 40°10'00" BOTTOM HOLE (2000' SCALE) | 2277'

LONGITUDE: 80°37'30" SURFACE HOLE (2000' SCALE) | 2969'

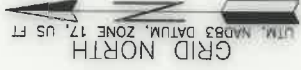
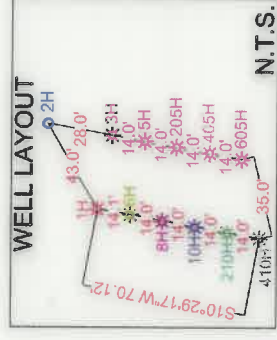
LONGITUDE: 80°37'30" BOTTOM HOLE (2000' SCALE) | 10753'



www.jhacompanies.com
68011 Vineyard Road
St. Clairsville, Ohio 43950
740-695-6100



- NOTES ON SURVEY**
- COORDINATE SYSTEM IS UTM NAD 83 DATUM, ZONE 17, U.S. FOOT AS WELL AS WELL COORDINATES ESTABLISHED USING SURVEY GRADE GPS.
 - ALL WELL LOCATIONS, PROPERTY INFORMATION AND THEIR BOUNDARIES SHOWN HEREON WERE OBTAINED FROM DEEDS AND/OR TAX PARCEL MAPS PROVIDED BY CLIENT AND/OR OTHER FIELD LOCATIONS.
 - THIS PLAN DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARCELS SHOWN HEREON.
 - NO DWELLINGS OR BUILDINGS WITHIN 625 FEET OF PROPOSED CENTER OF PAD.
 - NO PERENNIAL STREAMS, LAKES, PONDS, RESERVOIRS OR WETLANDS WITHIN 100 FEET OF THE LIMITS OF DISTURBANCE.
 - NO OTHER PRODUING TROUT STREAM WITHIN 300 FEET OF THE LIMITS OF DISTURBANCE.
 - NO WATER WELLS OR DEVELOPED SPRINGS WITHIN 250 FEET OF PROPOSED WELL.

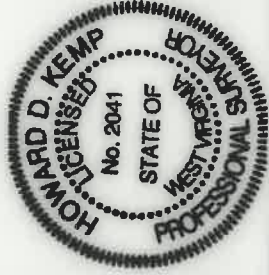


SURFACE HOLE LOCATION (SHL):	
UTM (NAD83, ZONE 17, METERS):	
NORTHING: 4445417.06	
EASTING: 5296685.24	
LANDING POINT LOCATION (LPL):	
UTM (NAD83, ZONE 17, METERS):	
NORTHING: 4445538.57	
EASTING: 530554.67	
BOTTOM HOLE LOCATION (BHL):	
UTM (NAD83, ZONE 17, METERS):	
NORTHING: 4443050.10	
EASTING: 531250.44	
SURFACE HOLE LOCATION (SHL):	
UTM (NAD83, ZONE 17, METERS):	
NORTHING: 4445417.06	
EASTING: 5296685.24	
LANDING POINT LOCATION (LPL):	
UTM (NAD83, ZONE 17, METERS):	
NORTHING: 4445469.40	
EASTING: 530596.22	
BOTTOM HOLE LOCATION (BHL):	
UTM (NAD83, ZONE 17, METERS):	
NORTHING: 4443047.25	
EASTING: 531250.47	

I, THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAN 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 DEPARTMENT OF ENVIRONMENTAL PROTECTION.

P.S. 2041

4/15/20



GRAPHIC SCALE IN FEET

COMPANY: **SWN** Production Company, LLC Production Company™

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
WVDEP
OFFICE OF OIL & GAS
601 57TH STREET
CHARLESTON, WV 25034

MINIMUM DEGREE OF ACCURACY: 1/200
PROVEN SURVEY GRADE GPS
ELEVATION: (NAVD 88, US FT)

OPERATOR'S WELL #: EDWARD DREMAK OHI 410H
API WELL #: 47 069 00319
STATE COUNTY PERMIT



WELL TYPE: OIL WASTE DISPOSAL PRODUCTION DEEP GAS LIQUID INJECTION STORAGE SHALLOW

WATERSHED: UPPER OHIO SOUTH
DISTRICT: RICHLAND
SURFACE OWNER: ANDREW JOHN EVICK
OIL & GAS ROYALTY OWNER: EDWARD W. & JOANNE V. DREMAK
DRILL DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION
CONVERT PLUG & ABANDON CLEAN OUT & REPLUG OTHER CHANGE AS-DRILLED
TARGET FORMATION: MARCELLUS
ESTIMATED DEPTH: 5,888' TVD 15,278' TMD

WELL OPERATOR: SWN PRODUCTION COMPANY, LLC DESIGNATED AGENT: BRITTANY WOODY
ADDRESS: 1300 FORT PIERPONT DRIVE, SUITE 201 ADDRESS: 1300 FORT PIERPONT DRIVE, SUITE 201
CITY: MORGANTOWN STATE: WV ZIP CODE: 26508 CITY: MORGANTOWN STATE: WV ZIP CODE: 26508

- LEGEND:**
- EXISTING BOTTOM HOLE
 - EXISTING / PRODUCING WELLHEAD
 - EXISTING LANDING POINT LOCATION
 - PROPOSED SURFACE HOLE / BOTTOM HOLE
 - PROPOSED LANDING POINT LOCATION
 - ACCESS ROAD
 - PUBLIC ROAD
 - FLOOD PLAN
 - LEASE BOUNDARY
 - ASDRILLED PATH
 - PROPOSED PATH

REVISIONS:

DATE:	04-08-2020
API NO:	47-069-00319
DRAWN BY:	R. GRIMES
SCALE:	1" = 3000'
DRAWING NO:	2018-284
WELL LOCATION PLAN	

WELL BORE TABLE FOR SURFACE / ROYALTY OWNERS		
TRACT	SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL
1	ANDREW JOHN EVICK (S) EDWARD W. & JOANNE V. DREMAK (R)	04-R5-54.0
TRACT		
2	SURFACE OWNER ANDREW JOHN EVICK	04-R5-49.0
3	WINDSOR POWER HOUSE COAL COMPANY	04-R8-08.1
4	OHIO COUNTY BOARD OF COMMISSIONERS	04-R5-10.0
5	OHIO COUNTY BOARD OF COMMISSIONERS	04-R5-55.0
6	LISA NUZUM HAWORTH	04-R5-55.1
7	ROBERT L. & GWENDOLYN NOVAK	04-R5-59.0
8	SHORT CREEK UNITED METHODIST CHURCH	04-R5-60.0
9	SHORT CREEK CEMETERY ASSOCIATION, TRUSTEES	04-R5-57.0
10	AMERICAN DISPOSAL SERVICES OF WEST VIRGINIA, INC	04-R8-15.0
11	AMERICAN DISPOSAL SERVICES OF WEST VIRGINIA, INC	04-R8-61.0
12	TUNNEL RIDGE, LLC	04-R8-61.4

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
A	OHIO COUNTY BOARD OF COMMISSIONERS	04-R5-10.0
B	MARC SEAMON	04-R6-02.0
C	RAYLE COAL COMPANY	04-R6-17.3
D	RAYLE COAL COMPANY	04-R6-17.0
E	MARC SEAMON	04-R6-37.0
F	MARC SEAMON	04-R6-37.1
G	DELBERT E. HUFFMAN, JR.	04-R8-18.4
H	LUTHER R. SMITH, JR.	04-R8-18.3
I	LUTHER R. SMITH, JR.	04-R8-18.1
J	JOHN E. HARWATT	04-R8-18.2
K	LUTHER R. SMITH, JR.	04-R8-14.4
L	JAMES W. PERRY, JOSEPH F. PERRY, LEWIS A. PERRY, JR. & JOHN C. PERRY (LIFE ESTATE: HELEN M. PERRY)	04-R9-14.2
M	JAMES W. PERRY, JOSEPH F. PERRY, LEWIS A. PERRY, JR. & JOHN C. PERRY (LIFE ESTATE: HELEN M. PERRY)	04-R9-14.1
N	JORDAN & GAYLE WEBER	04-R9-09.0
O	LEWIS R. JR. & ROSEANNE F. HOPKINS	04-R9-05.0
P	WILLIAM ISAAC KNIGHT, II & MEREDITH SERTICH	04-R9-03.7
Q	STACY D. EVANS (LIFE ESTATE: LADONNA MARTIN EVANS)	04-R9-03.5
R	BETH ANNE KENNEDY	04-R9-03.4
S	RCK 2 GROUP, LLC	04-R9-01.0
T	WILLIAM H. & CAROL L. REUTHER	04-R9-01.3
U	BRADFORD W. & NANETTA B. HARTLEY	04-R9-02.0
V	GREGORY TAGGART	04-R8-50.0
W	DOMINIC J. & SHERRIE D. COTTRELL	04-R12-19.30
X	ELIAS JOSEPH	04-R12-01.0
Y	TUNNEL RIDGE, LLC	04-R12-01.3
Z	TUNNEL RIDGE, LLC	04-R11-34.3
AA	TUNNEL RIDGE, LLC	04-R11-34.12
AB	TUNNEL RIDGE, LLC	04-R6-61.2
AC	SANDCREST FOUNDATION, INC	04-R11-15.0
AD	TUNNEL RIDGE, LLC	04-R8-61.1
AE	TUNNEL RIDGE, LLC	04-R6-74.0
AF	TUNNEL RIDGE, LLC	04-R8-60.1
AG	TUNNEL RIDGE, LLC	04-R8-59.0
AH	TUNNEL RIDGE, LLC	04-R8-22.1
AI	TUNNEL RIDGE, LLC	04-R8-22.0
AJ	TUNNEL RIDGE, LLC	04-R8-21.2
AK	TUNNEL RIDGE, LLC	04-R8-27.7
AL	TUNNEL RIDGE, LLC	04-R8-27.6
AM	TUNNEL RIDGE, LLC	04-R8-15.4
AN	CHARLES W. & MARLEEN M. MILLER	04-R8-15.3
AO	STATE OF WEST VIRGINIA DEPARTMENT OF TRANSPORTATION	04-R8-9999.99999
AP	DEBRA S. SHEPHERD	04-R8-15.2
AQ	SONYA CARROLL, GERTRUDE (TRUDY) ETHRIDGE, BRENDA HERCULES, CHARLES W. HERCULES, DERRICK WAYNE HERCULES, LOIS E. HERCULES, LOUIS R. HERCULES, SIDNEY HERCULES, YVONNE LOUGH & CONNIE SMITH	04-R8-07.0
AR	ALLIANCE RESOURCE GROUP, LLC	04-R8-06.0
AS	JUDITH K. TYLER	04-R8-08.8
AT	SAM L. JR. & AMY M. PELLEN	04-R8-08.0
AU	PEGGY LEE CLARK, ARTHUR WAYNE ENNIS & ALMA DIANE SINOWICH	04-R8-09.0
AV	MICHAEL W. DAVIS	04-R8-09.1
AW	EUNICE MAE DAVIS	04-R8-09.3
AX	EUNICE MAE DAVIS, BRYAN EVERETT DAVIS & CHARLOTTE DAVIS TOOTHMAN	04-R8-09.2
AY	JOYCE ANN FARLEY	04-R8-10.1
AZ	JOYCE ANN FARLEY	04-R8-10.2
BA	HAROLD W. SNYDER, RUSSELL PELLEN, JOYCE ANN FARLEY, JEFFREY A. MCSEE & PAULA JO MCREE	04-R8-10.0
BB	MARK D. MATTHIAS	04-R8-11.1
BC	MARK D. MATTHIAS	04-R8-11.0
BD	RHONDA J. ROBBINS	04-R8-13.2
BE	RODNEY SNYDER	04-R8-13.0
BF	RIKKE SNYDER	04-R8-14.0
BG	AMERICAN DISPOSAL SERVICES OF WEST VIRGINIA, INC	04-R5-56.0
BH	AMERICAN DISPOSAL SERVICES OF WEST VIRGINIA, INC	04-R5-56.2
BI	AMERICAN DISPOSAL SERVICES OF WEST VIRGINIA, INC	04-R5-56.1
BJ	GORDON E. & DEBORAH P. DREMAK	04-R8-08.15
BK	OHIO COUNTY BOARD OF COMMISSIONERS	04-R8-08.16
BL	TUNNEL RIDGE, LLC	04-R8-08.17
BM	TUNNEL RIDGE, LLC	04-R8-08.14
BN	TUNNEL RIDGE, LLC	04-R8-08.2
BO	SUSAN L. CAIN	04-R8-08.3
BP	TUNNEL RIDGE, LLC	04-R8-08.18
BO	THE KATHLEEN S. CRAFT FOUNDATION & THE JOSEPH W. CRAFT, III FOUNDATION	04-R5-52.0
BR	THE KATHLEEN S. CRAFT FOUNDATION & THE JOSEPH W. CRAFT, III FOUNDATION	04-R5-53.0
BS	WINDSOR POWER HOUSE COAL COMPANY	04-R5-50.0
BT	RICHARD L. & DEBORAH K. BLACK	04-R5-58.1
BU	LARRY & LISA WALLEY	04-R6-58.0
BV	BRYAN K. & LAURA L. PETTIT	04-R5-55.4
BW	LISA NUZUM HAWORTH	04-R5-55.3
BX	LUTHER R. II & D.F. SMITH	04-R8-16.1
BY	DELBERT E. & CAROL L. HUFFMAN	04-R8-16.2

REVISIONS:

COMPANY:

SWN
Production Company, LLC

SWN
Production Company™

OPERATOR'S

EDWARD DREMAK OHI

WELL #:

410H

DISTRICT:
RICHLAND

COUNTY:
OHIO

STATE:
WV

DATE: 04-08-2020
API NO: 47-069-00319

DRAWN BY: R. GRIMES

SCALE: N/A

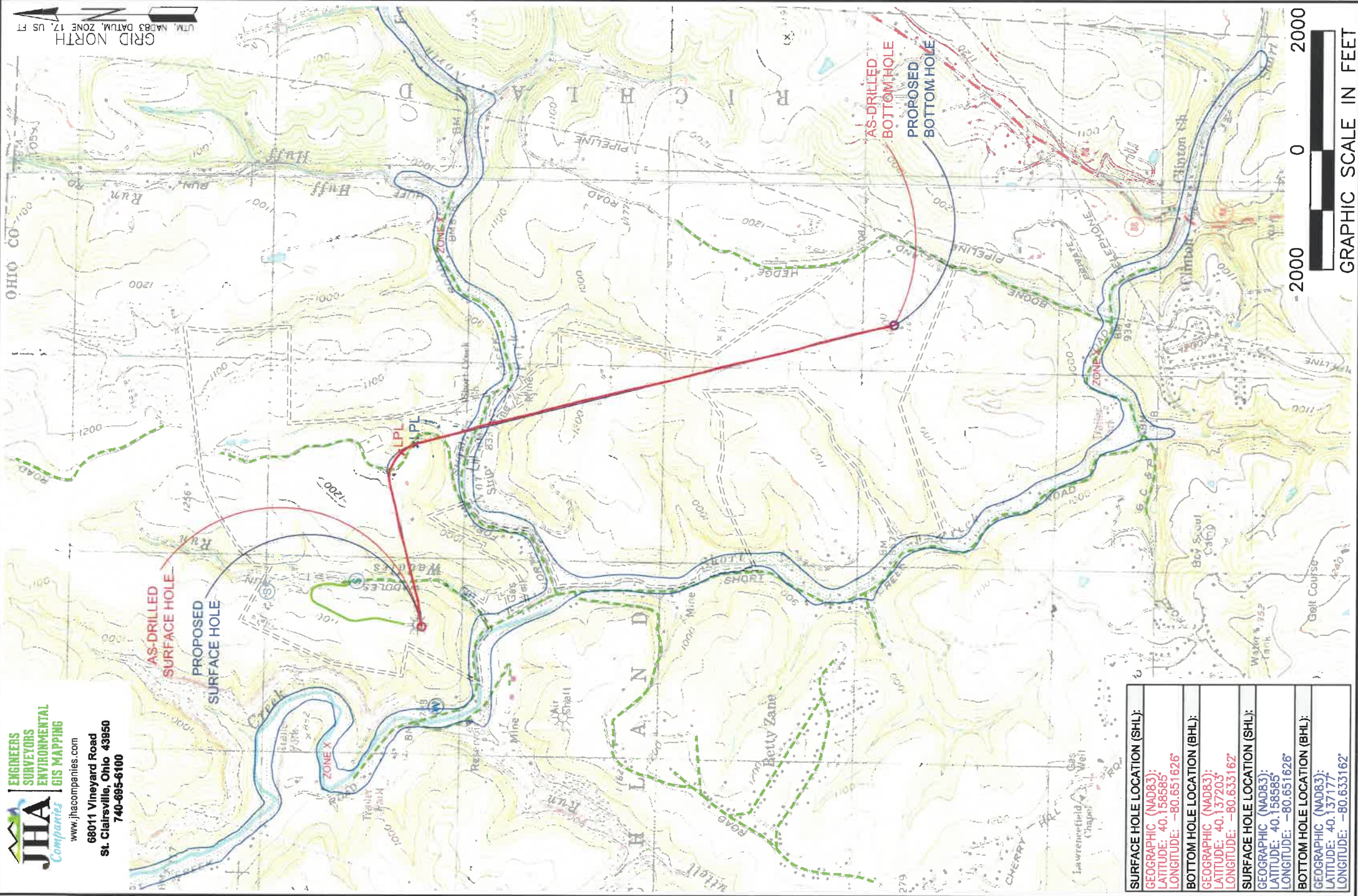
DRAWING NO: 2018-284

WELL LOCATION PLAT

COMPLETION ID 2501168636
PAD ID 3001165860

JHA
Companies
ENGINEERS SURVEYORS ENVIRONMENTAL GIS MAPPING
 www.jhacompanies.com
 68011 Vineyard Road
 St. Clairsville, Ohio 43950
 740-895-6100

GRID NORTH
 UTM, NAD83 DATUM, ZONE 17, US FT



GRAPHIC SCALE IN FEET

SURFACE HOLE LOCATION (SHL):
GEOGRAPHIC (NAD83):
LATITUDE: 40.158585°
LONGITUDE: -80.651626°
BOTTOM HOLE LOCATION (BHL):
GEOGRAPHIC (NAD83):
LATITUDE: 40.137203°
LONGITUDE: -80.633162°
SURFACE HOLE LOCATION (SHL):
GEOGRAPHIC (NAD83):
LATITUDE: 40.158585°
LONGITUDE: -80.651626°
BOTTOM HOLE LOCATION (BHL):
GEOGRAPHIC (NAD83):
LATITUDE: 40.137177°
LONGITUDE: -80.633162°

NOTES ON SURVEY

1. SURFACE AND ROYALTY OWNER INFORMATION AND THEIR BOUNDARIES SHOWN HEREON WERE PLOTTED FROM DEEDS AND/OR TAX PARCEL MAPS PROVIDED BY CLIENT AND/OR FIELD LOCATIONS.
2. THIS PLAN DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARCELS SHOWN HEREON.
3. ALL INSETS ARE GRID NORTH UNLESS OTHERWISE DEPICTED.

- LEGEND:**
- EXISTING BOTTOM HOLE
 - ★ EXISTING / PRODUCING WELLHEAD
 - LPI★ EXISTING LANDING POINT LOCATION
 - PROPOSED SURFACE HOLE / BOTTOM HOLE
 - LPI★ PROPOSED LANDING POINT LOCATION
 - ACCESS ROAD
 - PUBLIC ROAD
 - FLOOD PLAN
 - LEASE BOUNDARY
 - AS DRILLED PATH
 - PROPOSED PATH

WELL OPERATOR:	WELL (FARM) NAME:	WELL #	SERIAL #
SWN PRODUCTION COMPANY, LLC	EDWARD DREMAK OHI	410H	XXXX
ADDRESS:	COUNTY:	CODE:	API #
1300 FORT PORT DRIVE, SUITE 201, MORGANTOWN, WV 26508	OHIO	069	47-069-00319
SURFACE OWNER:	DISTRICT:	LEASE BOUNDARY	AS DRILLED PATH
ANDREW JOHN EVICK	RICHLAND	—	—
USGS 7 1/2 QUADRANGLE MAP NAME:			
TILTONSVILLE, OH-WV			

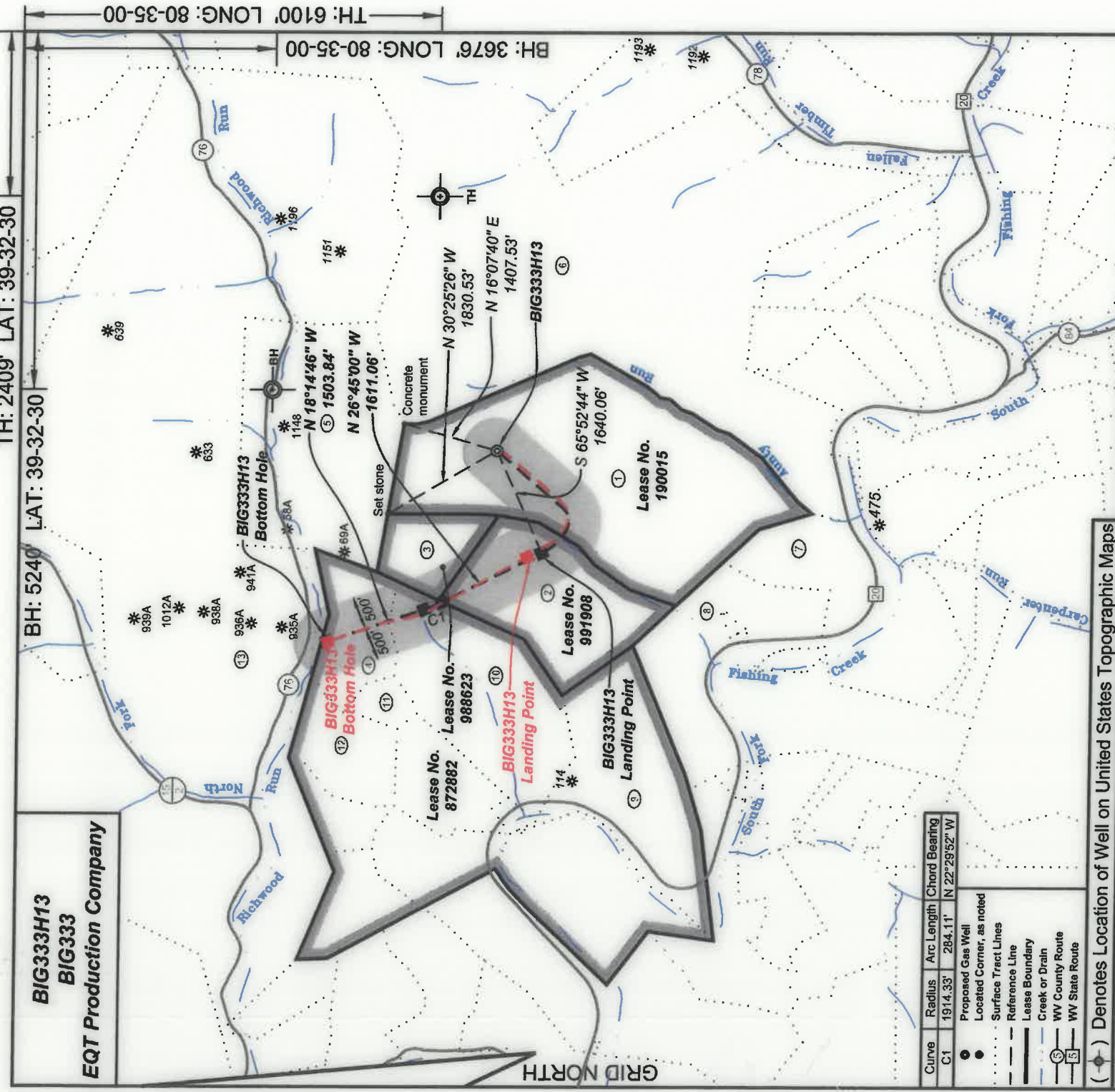
TH: 2409' LAT: 39-32-30

BH: 5240' LAT: 39-32-30

TH: 6100' LONG: 80-35-00

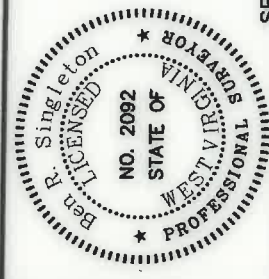
BH: 3676' LONG: 80-35-00

BIG333H13
BIG333
EQT Production Company



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.

[Signature]
P.S. 2092

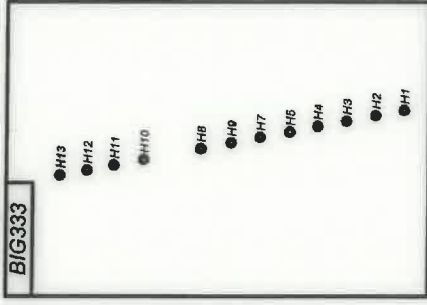


FILE NO: 33-15	DATE: June 18 20 19	SEAL
DRAWING NO: 33-15 BIG333H13	OPERATOR'S WELL NO.: BIG333H13	
SCALE: 1" = 2000'	API WELL NO	
MINIMUM DEGREE OF ACCURACY: 1:2500	47 STATE 103 COUNTY 03295 PERMIT	
PROVEN SOURCE OF ELEVATION: NGS CORS Station	QUADRANGLE: Big Run	
WELL TYPE: <input type="checkbox"/> OIL <input checked="" type="checkbox"/> GAS <input type="checkbox"/> LIQUID INJECTION <input type="checkbox"/> WASTE DISPOSAL		
(IF GAS) PRODUCTION: <input type="checkbox"/> STORAGE <input checked="" type="checkbox"/> DEEP <input type="checkbox"/> SHALLOW		
LOCATION: ELEVATION: As-Built - 1451' WATERSHED Aunty Run of South Fork Fishing Creek		
DISTRICT: Grant COUNTY: Wetzel		
SURFACE OWNER: Coastal Forest Resources Co., d/b/a Coastal Timberlands Co.	ACREAGE: 283.6±	
ROYALTY OWNER: Equitrans, Inc.	LEASE NO: 190015	ACREAGE: 285±
PROPOSED WORK: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> CONVERT <input type="checkbox"/> DRILL DEEPER <input checked="" type="checkbox"/> FRACTURE OR STIMULATE <input type="checkbox"/> PLUG OFF OLD FORMATION		
<input type="checkbox"/> PERFORATE NEW FORMATION <input type="checkbox"/> OTHER PHYSICAL CHANGE IN WELL (SPECIFY)		
<input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus		ESTIMATED DEPTH: 7,643'
WELL OPERATOR: EQT Production Company	DESIGNATED AGENT: Jason Ranson	
ADDRESS: 2400 Ansys Drive, Suite 200	ADDRESS: 115 Professional Place PO Box 280	
Canonsburg, PA 15317	Bridgeport, WV 26330	

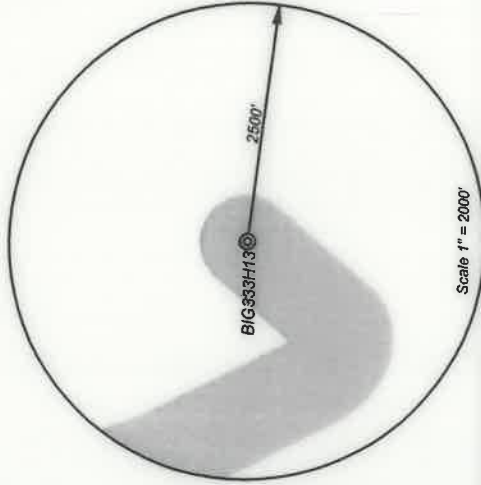
BIG333H13
BIG333
EQT Production Company

Tract ID	Tax Map No.	Parcel No.	County	District	Surface Tract Owner	Acres
1	23	13	Wetzel	Grant	Coastal Forest Resources Co.	283.60
2	23	12	Wetzel	Grant	Larry Laraw, et al.	104.80
3	23	9	Wetzel	Grant	Larry Laraw, et al.	31.50
4	23	4	Wetzel	Grant	Dallison Lumber, Inc.	36.10
5	23	5	Wetzel	Grant	Al Wyatt Heirs	174.68
6	23	14	Wetzel	Grant	Richard B. Dallison, et al.	879.30
7	28	8	Wetzel	Grant	Joseph W. Cerlin	112.90
8	28	6	Wetzel	Grant	Joseph W. Cerlin	190.74
9	23	11,4	Wetzel	Grant	Richard & Roxanne Funk, et al.	66.21
10	23	8	Wetzel	Grant	Richard & Roxanne Funk, et al.	113.81
11	23	3	Wetzel	Grant	Dallison Lumber, Inc.	15.00
12	23	2	Wetzel	Grant	Billy Dwayne Annold, Jr.	36.80
13	17	14	Wetzel	Grant	Coastal Forest Resources Co.	1827.60

As-Drilled Well Info:
BIG333H13 coordinates are
NAD 27 N: 375,168.97 E: 1,692,005.33
NAD 83 UTM N: 4,375,118.95 E: 535,093.53
BIG333H13 Landing Point coordinates are
NAD 27 N: 374,709.93 E: 1,690,449.18
NAD 83 UTM N: 4,374,971.14 E: 534,621.76
BIG333H13 Bottom Hole coordinates are
NAD 27 N: 377,619.74 E: 1,689,196.18
NAD 83 UTM N: 4,375,851.30 E: 534,225.26
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.



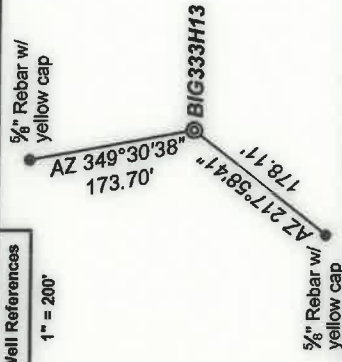
Lease No.	Acres	Owner
997908	104.8	Brian C. Fox, et al.
988623	31.5	Larry Laraw, et al.
872882	436	Shibert Estates



- Proposed Gas Well
- Located Corner, as noted
- Surface Tract Lines
- Reference Line
- Lease Boundary
- Creek or Drain
- ⑤ WV County Route
- ⑬ WV State Route

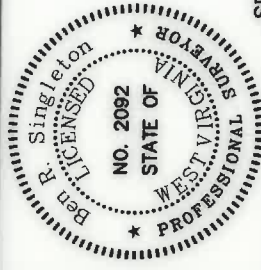
Well References

1" = 200'



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 A. Stebbins
P.S. 2092



FILE NO: 33-15
DRAWING NO: 33-15 BIG333H13
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: June 18 20 19

OPERATOR'S WELL NO.: BIG333H13

API WELL NO

47 - 103 - 03295
STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
(IF GAS) PRODUCTION: STORAGE DEEP SHALLOW
LOCATION: ELEVATION: As-Built - 1451' WATERSHED Aunity Run of South Fork Fishing Creek
DISTRICT: Grant COUNTY: Weizel
SURFACE OWNER: Coastal Forest Resources Co., d/b/a Coastal Timberlands Co. ACREAGE: 283.6±
ROYALTY OWNER: Equitrans, Inc. LEASE NO: 190015 ACREAGE: 285±
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: 7,643'

WELL OPERATOR: EQT Production Company DESIGNATED AGENT: Jason Ranson
ADDRESS: 2400 Ansys Drive, Suite 200 ADDRESS: 115 Professional Place PO Box 280
Canonsburg, PA 15317 Bridgeport, WV 26330

SEAL