



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

Austin Caperton, Cabinet Secretary
www.dep.wv.gov

Monday, June 25, 2018
PERMIT MODIFICATION APPROVAL
Horizontal 6A / New Drill

SWN PRODUCTION COMPANY, LLC
POST OFFICE BOX 12359

SPRING, TX 773914954

Re: Permit Modification Approval for BENJAMIN HONECKER OHI 10H
47-069-00244-00-00

Lateral Extension

SWN PRODUCTION COMPANY, LLC

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

A blue ink signature of James A. Martin, written in a cursive style.

Operator's Well Number: BENJAMIN HONECKER OHI 10H
Farm Name: JANET L. HONECKER (LIFE ESTATE) & ELIZABETH
U.S. WELL NUMBER: 47-069-00244-00-00
Horizontal 6A New Drill
Date Modification Issued: June 25, 2018

Promoting a healthy environment.

06/29/2018

47-069-00244

WW-6B
(04/15)

API NO. 47-069 - 00244
OPERATOR WELL NO. Benjamin Honecker OHI 10H
Well Pad Name: Benjamin Honecker OHI PAD

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
WELL WORK PERMIT APPLICATION

1) Well Operator: SWN Production Co., LLC Operator ID: 494512924 County: 069-Ohio District: 3- Liberty Quadrangle: 247-Bethany

2) Operator's Well Number: Benjamin Honecker OHI 10H Well Pad Name: Benjamin Honecker OHI PAD

3) Farm Name/Surface Owner: Benjamin Honecker Public Road Access: Short Creek Road

4) Elevation, current ground: 1104' Elevation, proposed post-construction: 1104'

5) Well Type (a) Gas X Oil _____ Underground Storage _____
Other _____

(b) If Gas Shallow x Deep _____
Horizontal X

6) Existing Pad: Yes or No Yes *1-2500 4.23.18*

7) Proposed Target Formation(s), Depth(s), Anticipated Thickness and Expected Pressure(s):
Target Formation- Marcellus, Up-Dip Well to the South, Target Top TVD- 8132', Target Base TVD- 6174', Anticipated Thickness- 42' Associated Pressure- 4013

8) Proposed Total Vertical Depth: 6147'

9) Formation at Total Vertical Depth: Marcellus

10) Proposed Total Measured Depth: 20250'

11) Proposed Horizontal Leg Length: 8146.94'

12) Approximate Fresh Water Strata Depths: 324'

13) Method to Determine Fresh Water Depths: Salinity Profile

14) Approximate Saltwater Depths: 404' Salinity Profile

15) Approximate Coal Seam Depths: 267'

16) Approximate Depth to Possible Void (coal mine, karst, other): 267' Possible void

17) Does Proposed well location contain coal seams directly overlying or adjacent to an active mine? Yes _____ No X

(a) If Yes, provide Mine Info: Name: _____
Depth: _____
Seam: _____
Owner: _____

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Environmental Protection

47 069-00244

WW-6B
(04/15)

API NO. 47-069 - 00244
 OPERATOR WELL NO. Benjamin Hornecker OH# 131
 Well Pad Name: Benjamin Hornecker OH#1 PAD

18) CASING AND TUBING PROGRAM

TYPE	Size (in)	New or Used	Grade	Weight per ft. (lb/ft)	FOOTAGE: For Drilling (ft)	INTERVALS: Left in Well (ft)	CEMENT: Fill-up (Cu. Ft.)/CTS
Conductor	20"	New	H-40	94#	100'	100'	CTS
Fresh Water	13 3/8"	New	H-40	48#	375'	375'	375 sx/CTS
Coal							
Intermediate	9 5/8"	New	J-55	36#	1646'	1646'	637 sx/CTS
Production	5 1/2"	New	HCP-110	20#	20250'	20250'	1000 sx/CTS
Tubing							
Liners							

Handwritten: CBO 4.23.18

TYPE	Size (in)	Wellbore Diameter (in)	Wall Thickness (in)	Burst Pressure (psi)	Anticipated Max. Internal Pressure (psi)	Cement Type	Cement Yield (cu. ft./k)
Conductor	20"	30"	0.25	2120	81	Class A	1.19/50% Excess
Fresh Water	13 3/8"	17.5"	0.380	2740	633	Class A	1.19/50% Excess
Coal	9 5/8"	12 1/4"	0.395	3950	1768	Class A	1.19/50% Excess
Intermediate	7"	8 3/4"	0.317	4360	3250	Class A	1.20/50% Excess
Production	5 1/2"	8 3/4"	0.361	12360	9500	Class A	1.20/50% Excess
Tubing							
Liners							

PACKERS

Kind:				
Sizes:				
Depths Set:				

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19) Describe proposed well work, including the drilling and plugging back of any pilot hole:

Drill and stimulate any potential zones between and including the Benson to Marcellus. **If we should encounter a void place basket above and below void area- balance cement to bottom of void and grout from basket to surface. Run casing not less than 20' below void nor more than 50' below void. (*If freshwater is encountered deeper than anticipated it must be protected, set casing 50' below and cts.)

20) Describe fracturing/stimulating methods in detail, including anticipated max pressure and max rate:

Well will be perforated within the target formation and stimulated with a slurry of water, sand, and chemical additives at a high rate. This will be performed in stages with the plug and perf method along the wellbore until the entire lateral has been stimulated within the target formation. All stage plugs are then drilled out and the well is flowed back to surface. The well is produced through surface facilities consisting of high pressure production unites, vertical separation units, water and oil storage tanks. Max press and anticipated max rate- 9000 lbs @ 80 barrels a minute.

21) Total Area to be disturbed, including roads, stockpile area, pits, etc., (acres): 10.54

22) Area to be disturbed for well pad only, less access road (acres): 5.96

23) Describe centralizer placement for each casing string:

All casing strings will be ran with a centralizer at a minimum of 1 per every 3 joints of casing.

24) Describe all cement additives associated with each cement type:

See Attachment ***

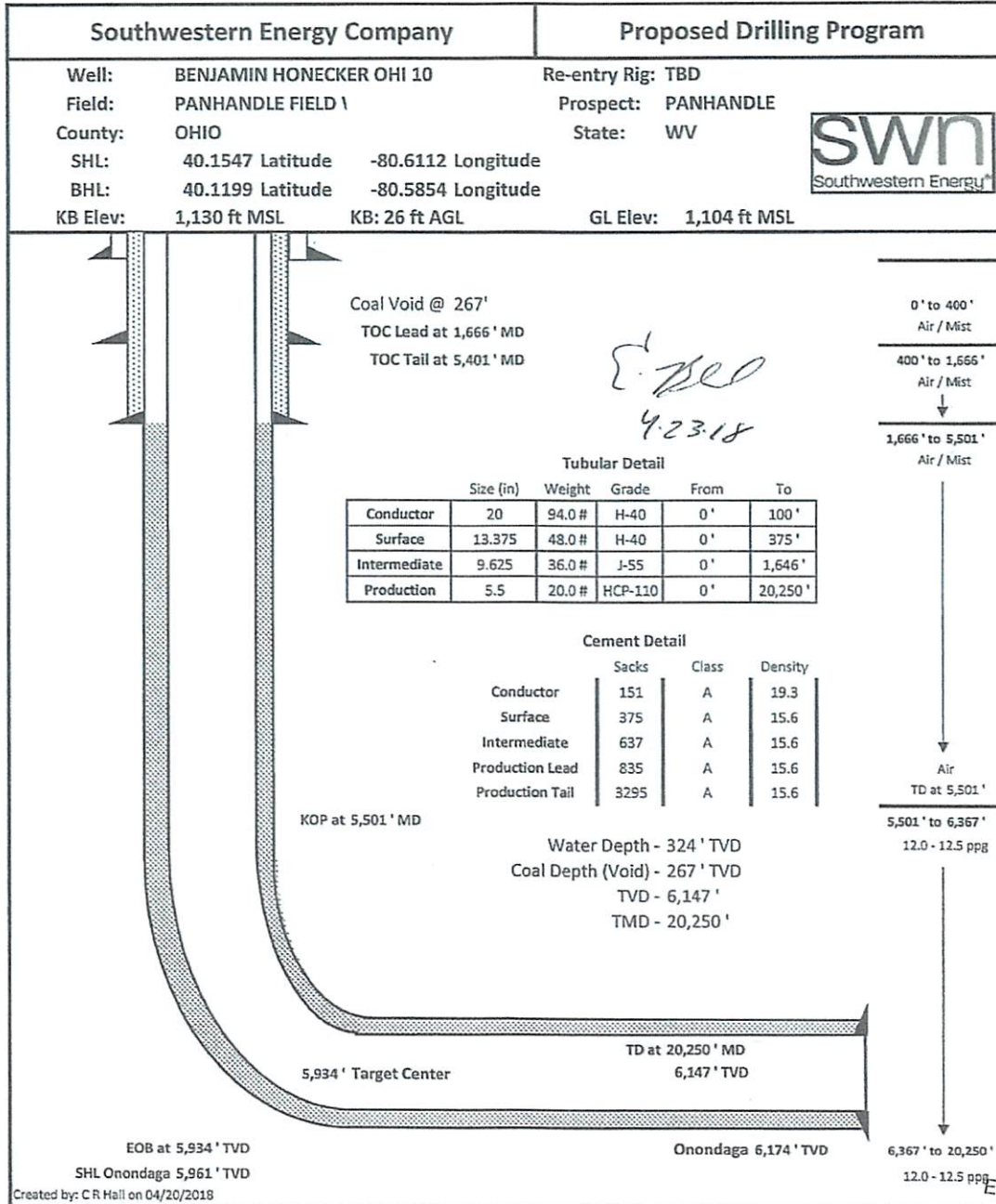
25) Proposed borehole conditioning procedures:

All boreholes will be conditioned with circulation and rotation for a minimum of one bottoms up and continuing until operator is satisfied with borehole conditions.

*Note: Attach additional sheets as needed.

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47-069-00244



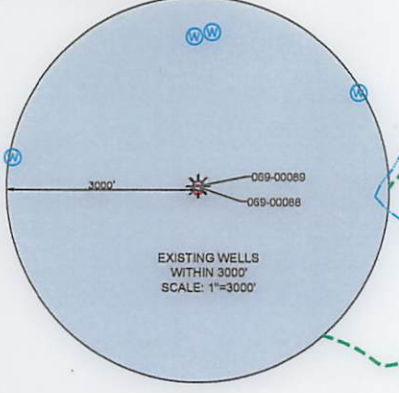
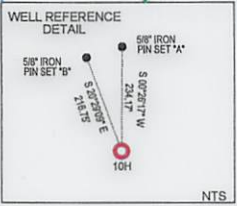
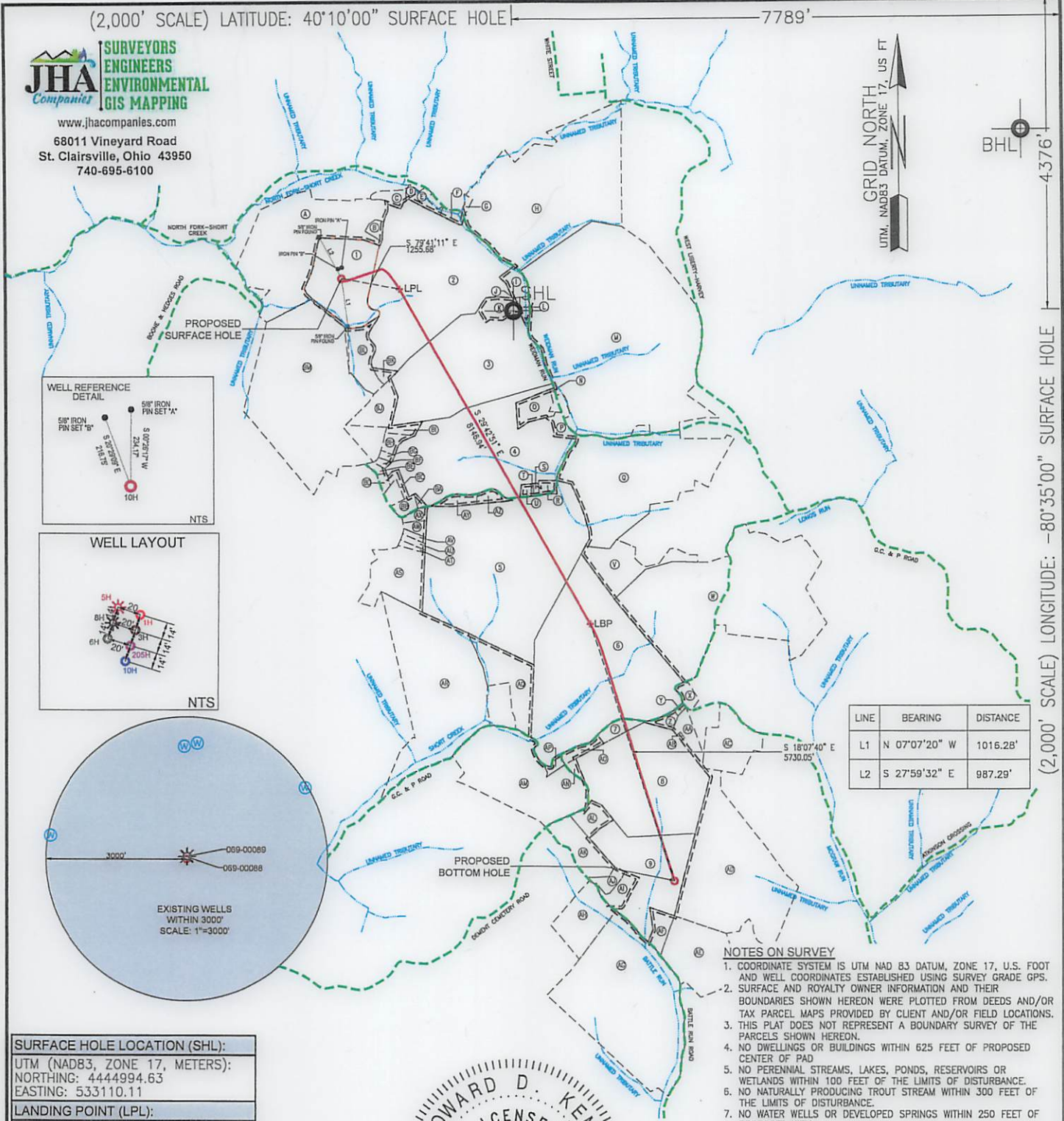
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JHA Companies
SURVEYORS ENGINEERS ENVIRONMENTAL GIS MAPPING
 www.jhacompanies.com
 68011 Vineyard Road
 St. Clairsville, Ohio 43950
 740-695-6100

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

BHL 4376'

(2,000' SCALE) LONGITUDE: -80°35'00" SURFACE HOLE 1830'
 (2,000' SCALE) LONGITUDE: -80°35'00" BOTTOM HOLE



- NOTES ON SURVEY**
1. COORDINATE SYSTEM IS UTM NAD 83 DATUM, ZONE 17, U.S. FOOT AND WELL COORDINATES ESTABLISHED USING SURVEY GRADE GPS.
 2. 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.
 3. THIS PLAT DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARCELS SHOWN HEREON.
 4. NO DWELLINGS OR BUILDINGS WITHIN 625 FEET OF PROPOSED CENTER OF PAD
 5. NO PERENNIAL STREAMS, LAKES, PONDS, RESERVOIRS OR WETLANDS WITHIN 100 FEET OF THE LIMITS OF DISTURBANCE.
 6. NO NATURALLY PRODUCING TROUT STREAM WITHIN 300 FEET OF THE LIMITS OF DISTURBANCE.
 7. NO WATER WELLS OR DEVELOPED SPRINGS WITHIN 250 FEET OF PROPOSED WELL.

SURFACE HOLE LOCATION (SHL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4444994.63 EASTING: 533110.11
LANDING POINT (LPL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4444932.43 EASTING: 533487.61
BOTTOM HOLE LOCATION (BHL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4441147.56 EASTING: 535324.86



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 DEPARTMENT OF ENVIRONMENTAL PROTECTION.

P.S. 2041 *[Signature]* 4/19/18

COMPANY: **SWN** Production Company, LLC

(+) 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 SOURCE OF GRADE GPS ELEVATION: (NAVD 88, US FT)

OPERATOR'S WELL #: BENJAMIN HONECKER OHI 10H

API WELL #: 47 STATE 069 COUNTY PERMIT 00244

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

WATERSHED: UPPER OHIO SOUTH ELEVATION: 1103.6'-STAKED

DISTRICT: LIBERTY COUNTY: OHIO QUADRANGLE: BETHANY & VALLEY GROVE, WV

SURFACE OWNER: JANET L. HONECKER (LIFE ESTATE) & ELIZABETH H. HESTICK (REMAINDER) ACREAGE: ±50.287

OIL & GAS ROYALTY OWNER: JANET L. HONECKER (LIFE ESTATE) & ELIZABETH H. HESTICK (REMAINDER) ACREAGE: ±50.287

DRILL DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION

CONVERT PLUG & ABANDON CLEAN OUT & REPLUG OTHER CHANGE (SPECIFY)

TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: 6,147' 06/29/2018

WELL OPERATOR: SWN PRODUCTION COMPANY, LLC DESIGNATED AGENT: DEE SOUTHALL

ADDRESS: P.O. BOX 1300 ADDRESS: P.O. BOX 1300

CITY: JANE LEW STATE: WV ZIP CODE: 26378 CITY: JANE LEW STATE: WV ZIP CODE: 26378

LEGEND:	REVISIONS:	DATE: 04-19-2018
● PROPOSED SURFACE HOLE / BOTTOM HOLE	— SURVEYED BOUNDARY	
⊙ EXISTING / PRODUCING WELLHEAD	— DRILLING UNIT	
LPL+ LANDING POINT LOCATION	==== LEASE BOUNDARY	
⊙ EXISTING WATER WELL	— PROPOSED PATH	
⊙ EXISTING SPRING		
		DRAWN BY: D. REED
		SCALE: 1" = 3000'
		DRAWING NO: 2017-221
		WELL LOCATION PLAT

47-069-00244

WELL BORE TABLE FOR SURFACE / ROYALTY OWNERS		
TRACT	SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL
1	JANET L. HONECKER (LIFE ESTATE) & ELIZABETH H. HESTICK (REMAINDER) (S)/(R)	03-L4-124
TRACT	SURFACE OWNER	TAX PARCEL
2	JANET L. HONECKER & ELIZABETH H. HESTICK	03-L4-103
3	JANET L. HONECKER & ELIZABETH H. HESTICK	03-L4-104
4	HOLLAND PARK, LLC	03-L4-105
5	BELLE LANE, LLC	03-L4-109
6	WAYNE L. WILHELM & MARGUERITE B. WILHELM	03-L7-4
7	JAMES MARTIN PURPURA AND ROBERT E. MCADAMS, TRUSTEES OF THE JAMES MARTIN PURPURA LIVING TRUST DATED APRIL 4, 2012	03-L7-12
8	JAMES A. & CAROL L. PARSONS	03-L7-11
9	TUNNEL RIDGE, LLC	03-L7-45

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
A	JANET L. HONECKER (LIFE ESTATE) & ELIZABETH H. HESTICK (REMAINDER)	03-L1-42
B	DEBRA & DAVID HAMSTEAD	03-L1-42.1
C	STEPHANIE A. ENNIS	09-WL10-8
D	WILLIAM R. & R.L. MYERS	09-WL10-9
E	CYNTHIA L. JOHNSON	09-WL10-11.1
F	THEODORE & SHIRLEY PAVLIC	09-WL10-11
G	JOHN C. & S.L. PERRY	09-WL10-14
H	WEST LIBERTY STATE COLLEGE	03-L1-35
I	KAREN S. & DONALD R. GRUBB	03-L4-104.1
J	CAROLYN & DENVER BARKER	03-L4-104.6
K	CAROLYN S. & DENVER BARKER	03-L4-104.3
L	CAROLYN S. & DENVER BARKER	03-L4-104.5
M	LORI JO MCGLUMPHY	03-L4-110
N	DIXIE M. & L. LAUDERMILT	03-L4-106.1
O	DIXIE M. LAUDERMILT	03-L4-105.8
P	WINDSOR POWER HOUSE COAL COMPANY	03-L4-105.7
Q	MICHAEL J. & P.T. MILLER	03-L4-117
R	DELBERT K., JR. & L.K. MYERS	03-L4-107
S	RUDY, JR. & J.A. FAZZINI	03-L4-105.3
T	RUDY, JR. & J.A. FAZZINI	03-L4-105.9
U	RICARDO & BUMBAUGH D.L. PACHECO	03-L4-105.1
V	EDWARD L. & B.W. STUPAK	03-L4-118.1
W	HERBERT P. & C.A. MINCH	03-L4-120
X	RICHARD J. SCHNELLE & CALVIN W. SCHNELLE	03-L7-8
Y	RENEE LYNN MOSA	03-L7-9
Z	JAMES M. PURPURA	03-L7-10
AA	JAMES P. & TRACY C. MILLER	03-L7-9.2
AB	JAMES P. & TRACY C. MILLER	03-L7-9.1
AC	MILO H. CRISWELL	03-L7-6.3
AD	JOHN L., II & J.M. SMITH	03-L7-48
AE	PAUL J. ROBRECHT	03-L7-47
AF	B. EILEEN GILMORE	03-L7-46
AG	ROBERT W. & DONNA LASCH	03-L10-40
AH	STEPHEN P. & D.K.S. SNYDER	03-L7-42.1
AI	TUNNEL RIDGE, LLC	03-L7-44
AJ	HELEN L. TOMINACK	03-L7-43
AK	MARY LOU HUDNALL	03-L7-40
AL	L.P. & M.L. HUDNALL	03-L7-41
AM	ROBERT W. & D. LASCH	03-L7-16
AN	ERNEST L. & H.D. HERRON	03-L7-14
AO	ELLSWORTH R. & L.K. RINE	03-L7-13
AP	BEVERLY J. HOFFER	03-L7-15
AQ	ROBERT J. GRIMES	03-L7-3
AR	HERMAN J. & MARY C. STORCH	03-L7-2
AS	CATHERINE & DAVID EVANS	03-L4-13.1
AT	DAVID R. & MARTIE A. KELLER	03-L4-13.2
AU	MARTIE A. MORSE	03-L4-100
AV	THOMAS N. & G.L. PENTINO	03-L4-99
AW	EDWARD & L.K. CHY	03-L4-97
AX	GARY V. HAND	03-L4-96
AY	JOHN C. & A.F. MYERS	03-L4-108
AZ	LEE J. & M.B. DUVALL	03-L4-105.11
BA	CHRISTOPHER G. WINIESDORFFER	03-L4-105.15
BB	JOHN E. & R.M. WINIESDORFFER	03-L4-105.2
BC	DAVID R. & CARRIE A. HANNA	03-L4-105.6
BD	MACK W. DUVALL	03-L4-105.5
BE	ARLIE R., JR AND BOND B. MCCARDLE	03-L4-105.17
BF	DORA M. MCCARDLE	03-L4-105.13
BG	PAUL F. ADAMS	03-L4-105.16
BH	ELIZABETH ANN BAKER	03-L4-105.14
BI	MICHAEL E. SAMPSON	03-L4-105.4
BJ	RACHEL ANN SINCAVICH	03-L4-2
BK	JANET L. HONECKER (LIFE ESTATE) & ELIZABETH H. HESTICK (REMAINDER)	03-L4-104.4
BL	PAUL M. MCKAY & DEBORAH A. MCKAY	03-L4-123
BM	PAUL M. MCKAY & DEBORAH A. MCKAY	03-L4-1

06/29/2018

REVISIONS:	COMPANY:		
	OPERATOR'S: BENJAMIN HONECKER		
	WELL #:		DATE: 04-19-2018
	DISTRICT: LIBERTY		DRAWN BY: D. REED
COUNTY: OHIO		SCALE: N/A	
STATE: WV		DRAWING NO: 2017-221	
			WELL LOCATION PLAT

47-069-00244

WW-6A1
(5/13)

Operator's Well No. Benjamin Honecker OHI 10H

**INFORMATION SUPPLIED UNDER WEST VIRGINIA CODE
Chapter 22, Article 6A, Section 5(a)(5)
IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)**

Under the oath required to make the verification on page 1 of this Notice and Application, I depose and say that I am the person who signed the Notice and Application for the Applicant, and that –

- (1) the tract of land is the same tract described in this Application, partly or wholly depicted in the accompanying plat, and described in the Construction and Reclamation Plan;
- (2) the parties and recordation data (if recorded) for lease(s) or other continuing contract(s) by which the Applicant claims the right to extract, produce or market the oil or gas are as follows:


Lease Name or Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book/Page
See Exhibit				

**Acknowledgement of Possible Permitting/Approval
In Addition to the Office of Oil and Gas**

The permit applicant for the proposed well work addressed in this application hereby acknowledges the possibility of the need for permits and/or approvals from local, state, or federal entities in addition to the DEP, Office of Oil and Gas, including but not limited to the following:

- WV Division of Water and Waste Management
- WV Division of Natural Resources WV Division of Highways
- U.S. Army Corps of Engineers
- U.S. Fish and Wildlife Service
- County Floodplain Coordinator

The applicant further acknowledges that any Office of Oil and Gas permit in no way overrides, replaces, or nullifies the need for other permits/approvals that may be necessary and further affirms that all needed permits/approvals should be acquired from the appropriate authority before the affected activity is initiated.

Well Operator: SWN Production Company, LLC.
 By: 
 Its: Landman

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Exhibit "A"

Attached to and made a part of the State of West Virginia Oil and Gas Permit Form, WW-6A1, by SWN Production Company, LLC, Operator
Benjamin Honecker OHI 10H
Ohio County, West Virginia

#	TAX ID	LESSOR	LESSEE	ROYALTY	BK/PG
1	03-L4-124	Janet L. Honecker, a widow, Life Estate, and Elizabeth H. Hestick, a married woman dealing in her sole and separate property, Remainderman	Great Lakes Energy Partners, L.L.C.	14.0%	779/138
			Chesapeake Appalachia, L.L.C.		808/391
			SWN Production Company, LLC		883/515
2	03-L4-103	Janet L. Honecker, a widow, Life Estate, and Elizabeth H. Hestick, a married woman dealing in her sole and separate property, Remainderman	Great Lakes Energy Partners, L.L.C.	14.0%	779/138
			Chesapeake Appalachia, L.L.C.		808/391
			SWN Production Company, LLC		883/515
3	03-L4-104	Janet L. Honecker, a widow, Life Estate, and Elizabeth H. Hestick, also known as Elizabeth R. Honecker, a married woman dealing in her sole and separate property, Remainderman	Great Lakes Energy Partners, L.L.C.	12.5%	780/13
			Chesapeake Appalachia, L.L.C.		808/570
			SWN Production Company, LLC		883/515
4	03-L4-105	Holland Park, Limited Liability Corporation: By - Lee Paull III, Member	Fortuna Energy Inc.	12.5%	772/523
			Range Resources - Appalachia, LLC		786/418
			Chesapeake Appalachia, L.L.C.		808/493
			SWN Production Company, LLC		883/539
5	03-L4-109	Lee C. Paull III and June W. Paull h&w	Fortuna Energy Inc.	12.5%	766/362
			Range Resources - Appalachia, LLC		786/348
			Chesapeake Appalachia, L.L.C.		808/500
			SWN Production Company, LLC		885/776
6	03-L7-4	Wayne L. Wilhelm and Marguerite B. Wilhelm, husband and wife	NPAR, LLC	18%	822/605
			Chevron U.S.A. Inc.		827/299
			Chesapeake Appalachia, L.L.C.		858/359
			SWN Production Company, LLC		883/611
7	03-L7-12	The James Martin Purpura Living Trust, James Martin Purpura and Robert E. McAdams, Trustees	Chesapeake Appalachia, L.L.C.	16%	880/143
			SWN Production Company, LLC		895/512

47-068-00244

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Exhibit "A"

Attached to and made a part of the State of West Virginia Oil and Gas Permit Form, WW-6A1, by SWN Production Company, LLC, Operator

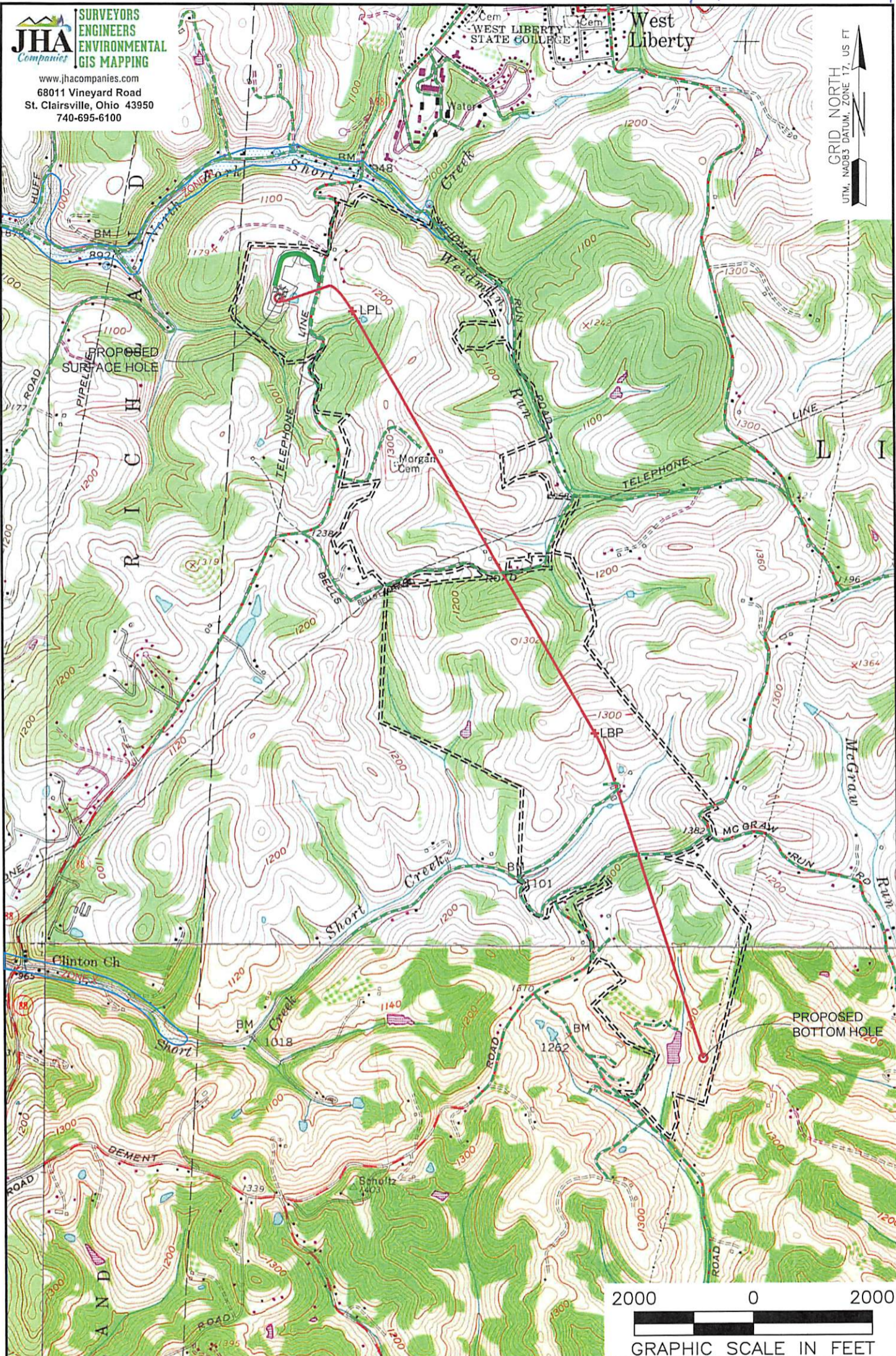
**Benjamin Honecker OHI 10H
Ohio County, West Virginia**

#	TAX ID	LESSOR	LESSEE	ROYALTY	BK/PG
8	03-L7-11	James A. Parsons and Carol L. Parsons, individually and as husband and wife	NPAR, LLC Chevron U.S.A. Inc. Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	18%	815/466 827/269 858/359 883/623
9	03-L7-45	Alliance Resource GP, LLC	SWN Production Company, LLC	18%	927/384

47-069-00244

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

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



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 PLAT DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARCELS SHOWN HEREON.
3. ALL INSETS ARE GRID NORTH UNLESS OTHERWISE DEPICTED.

LEGEND:

- PROPOSED SURFACE HOLE / BOTTOM HOLE
- ☼ EXISTING / PRODUCING WELLHEAD
- LPL* LANDING POINT LOCATION
- ☁ FLOOD PLAIN
- ACCESS FOR PUBLIC ROAD
- ACCESS ROAD TO PREV. SITE
- LEASE BOUNDARY
- PROPOSED PATH

06/29/2018

WELL OPERATOR: SWN PRODUCTION COMPANY, LLC	WELL (FARM) NAME: BENJAMIN HONECKER OHI	WELL # 10H	SERIAL # XXXX
ADDRESS: P.O. BOX 1300 JANE LEW, WV 26378	COUNTY - CODE OHIO - 069	DISTRICT: LIBERTY	
SURFACE OWNER: JANET L. HONECKER (LIFE ESTATE) & ELIZABETH H. HESTICK (REMAINDER)	USGS 7 1/2 QUADRANGLE MAP NAME BETHANY, WV & VALLEY GROVE, WV		

April 19, 2018

Ms. Laura Adkins
WV DEP Office of Oil & Gas
601 57th St., SE
Charleston, WV 25304

RE: SWN's proposed New Well: Benjamin Honecker OHI 10H in Ohio County, West Virginia, Drilling under Apple Pie Ridge Road, Weidman Run Road, and G.C. & P. Road.

Dear Ms. Adkins:

SWN Production Company, LLC ("SWN") is applying for a drilling permit for the above referenced well. The State of West Virginia has raised some concern as to SWN's right to drill under Apple Pie Ridge Road, Weidman Run Road, and G.C. & P. Road. Please be advised that SWN has leased all mineral owners under said route as it relates to the above-referenced well and unit.

Thank you.

Sincerely,



Bradley Wilson
Landman
SWN Production Company, LLC
PO Box 12359
Spring, TX 77391-2359

April 24, 2018

47-069-00244

Ms. Laura Adkins
Office of Oil & Gas
601 57th Street
Charleston, WV 25304

RE: Modification: Benjamin Honecker OHI 10H

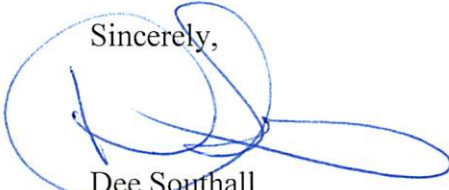
Dear Ms. Adkins

Enclosed please find the updated 6B, plat, casing, and leases for the above captioned well. We are extending the lateral. These wells are situated on the Honecker's property, in Ohio County, West Virginia.

If you have any questions or desire additional information, please me at 304-884-1614.

Thank you.

Sincerely,



Dee Southall
Senior Regulatory Analyst
Southwestern Energy Production Company, LLC

RECEIVED
Office of Oil and Gas
APR 25 2018
WV Department of
Environmental Protection

$\frac{R^+}{A} \rightarrow V^+$