



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

Tuesday, July 2, 2019
PERMIT MODIFICATION APPROVAL
Horizontal 6A / New Drill

SWN PRODUCTION COMPANY, LLC
POST OFFICE BOX 12359

SPRING, TX 773914954

Re: Permit Modification Approval for CHARLES FRYE OHI 205H
47-069-00232-00-00

Lateral extension, and casing due to possible void.

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 handwritten signature in blue ink, appearing to read "James A. Martin", is written over the typed name and title.

Operator's Well Number: CHARLES FRYE OHI 205H
Farm Name: FRYE, DORTHY V.
U.S. WELL NUMBER: 47-069-00232-00-00
Horizontal 6A New Drill
Date Modification Issued: July 2, 2019

Promoting a healthy environment.

January 31, 2019

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

RE: Modification: Charles Frye OHI 205H

Dear Ms. Adkins

Enclosed please find an updated 6B, Casing, WBD, mylar, & leases for the above captioned well. We are modifying this permit to extend the lateral. This well is situated on the Frye's property, in Triadelphia District, Ohio County, West Virginia.

If you have any questions or desire additional information, please me at 304-884-1613

Thank you.

Sincerely,



Brittany Woody
Regulatory Analyst
Southwestern Energy Production Company, LLC

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WV Department of
Environmental Protection



The Right People doing the Right Things,
wisely investing the cash flow from our
underlying Assets, will create Value+®

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

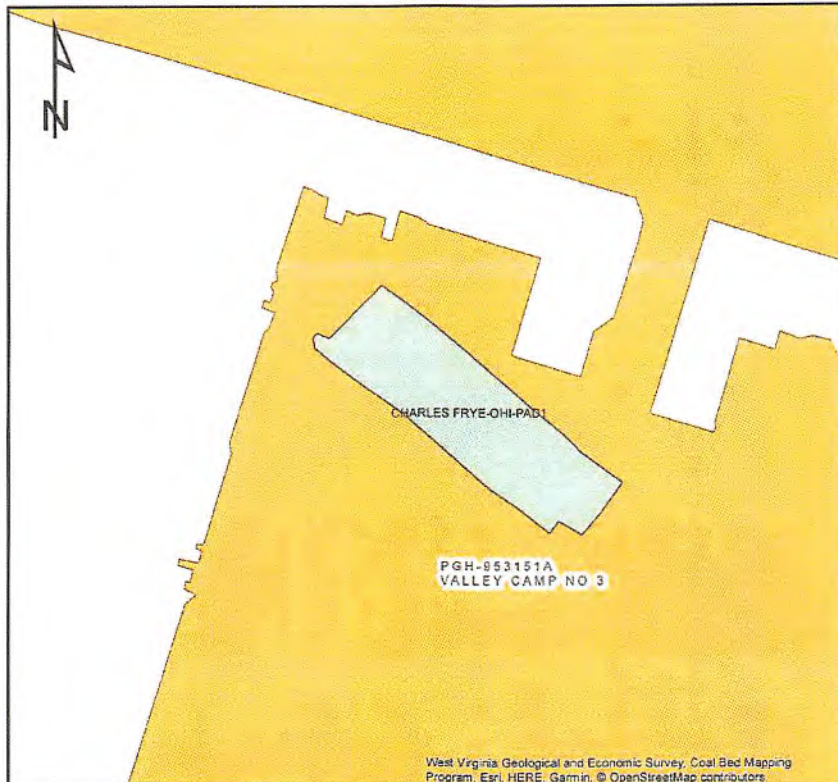
- 1) Well Operator: SWN Production Co., LLC 494512924 069-Ohio 6-Triadel 648-Valley Grove
Operator ID County District Quadrangle
- 2) Operator's Well Number: Charles Frye OHI 205H Well Pad Name: Charles Frye OHI Pad
- 3) Farm Name/Surface Owner: Dorothy Frye, David Frye, Amy Frye, & Carrie Frye Public Road Access: McCutcheon Road
- 4) Elevation, current ground: 1267' Elevation, proposed post-construction: 1267'
- 5) Well Type (a) Gas Oil Underground Storage
Other
(b) If Gas Shallow Deep
Horizontal
- 6) Existing Pad: Yes or No Yes
- 7) Proposed Target Formation(s), Depth(s), Anticipated Thickness and Expected Pressure(s):
Target Formation- Marcellus, Down-Dip Well to the North, Target Top TVD- 6516', Target Base TVD- 6552', Anticipated Thickness- 36', Associated Pressure- 4259

D. Frye
1/15/19

- 8) Proposed Total Vertical Depth: 6536'
- 9) Formation at Total Vertical Depth: Marcellus
- 10) Proposed Total Measured Depth: 17414'
- 11) Proposed Horizontal Leg Length: 10210.80'
- 12) Approximate Fresh Water Strata Depths: 548'
- 13) Method to Determine Fresh Water Depths: Nearby Water Well & Salinity Profile
- 14) Approximate Saltwater Depths: 774' Salinity Profile Analysis
- 15) Approximate Coal Seam Depths: 633'
- 16) Approximate Depth to Possible Void (coal mine, karst, other): Possible Void 633'
- 17) Does Proposed well location contain coal seams directly overlying or adjacent to an active mine? Yes No

(a) If Yes, provide Mine Info: Name: Valley Camp No. 3 Mine
Depth: 602'
Seam: Pittsburgh
Owner: Valley Camp Coal

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WELL PAD: CHARLES FRYE OHI PAD1		Legend	
VOID: YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>		<input type="checkbox"/> VALLEY CAMP NO. 3 MINE <input type="checkbox"/> CHARLES FRYE OHI PAD1	
MINE: VALLEY CAMP NO. 3 MINE COMPANY: VALLEY CAMP COAL SEAM: PITTSBURGH DEPTH: 602'			
ADJACENT TO ACTIVE MINE: YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>			
MINE: _____ COMPANY: _____ SEAM: _____ DEPTH: _____			

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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#	730'	730'	679 sx/CTS
Coal	See	Surface	Casing				
Intermediate	9 5/8"	New	J-55	36#	2077'	2077'	784 sx/CTS
Production	5 1/2"	New	HCP-110	20#	17414'	17414'	see 472a Tab 275a make program
Tubing							
Liners							

C. Frye 1-15-19

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	See	Surface	Casing				
Intermediate	9 5/8"	12 1/4"	0.395	3950	1768	Class A	1.19/50% 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:				

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 or run external casing packer/cementing stage tool above void interval and perform 2 stage cementing operation dependent upon depth of void. Run casing not less than 20' below void nor more than 75' 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 @ 100 barrels a minute.

21) Total Area to be disturbed, including roads, stockpile area, pits, etc., (acres): 13.6

22) Area to be disturbed for well pad only, less access road (acres): 12.0

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:

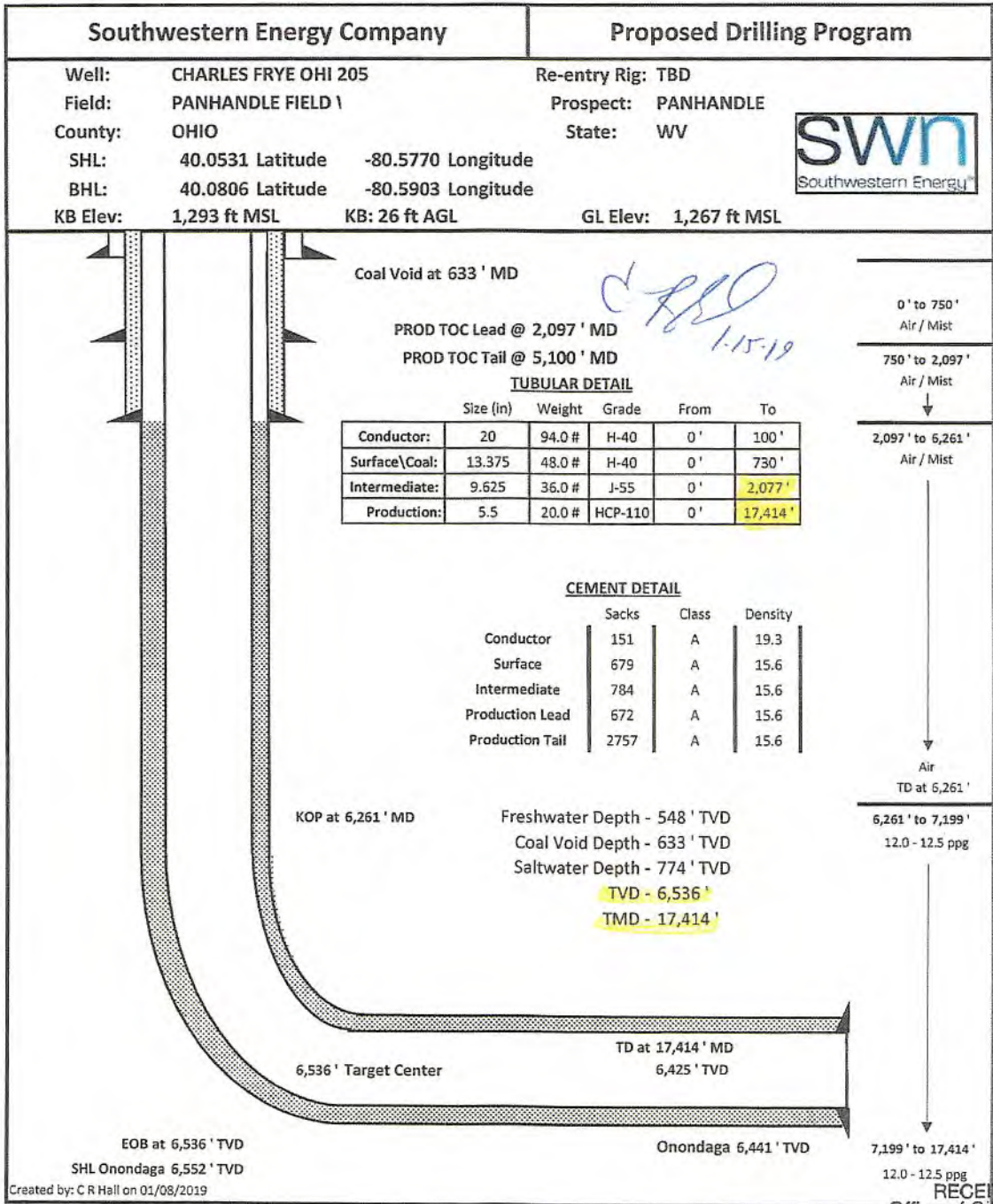
All boreholes will be conditioned with circulation and rotation for a minimum of one bottoms up and continuing until operator is satisfied with borehole conditions.

*Note: Attach additional sheets as needed.

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(SHL) Latitude: 40°05'00"

SURFACE HOLE 9896'

(BHL) Latitude: 40°05'00" BOTTOM HOLE

1944'

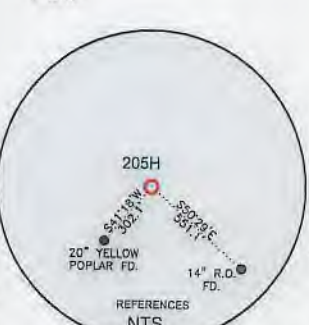
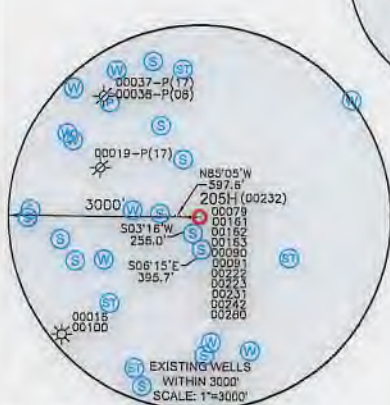
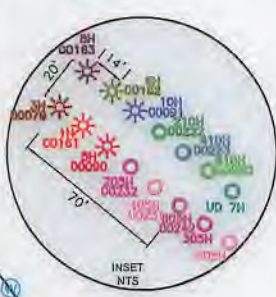
JACKSON SURVEYING INC.

P.O. Box 1460
677 W. Main St.
Clarksburg, WV 26302
304-623-5851

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

LINE	BEARING	DISTANCE	DESCRIPTION	MONUMENT
L1	N 56°41'17" W	1520.19'	SHL TO LANDMARK	CNR FENCE POST
L2	S 06°38'43" E	866.11'	SHL TO LANDMARK	LARGE STONE
LINE	BEARING	DISTANCE	CURVE LENGTH	DESCRIPTION
L3	N 49°03'19" E	1838.33'	2264.79'	SHL TO LPL

SURFACE HOLE LOCATION (SHL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4,433,731.297 EASTING: 536,076.579
LANDING POINT LOCATION (LPL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4,434,098.493 EASTING: 536,499.816
BOTTOM HOLE LOCATION (BHL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4,436,787.325 EASTING: 534,932.547

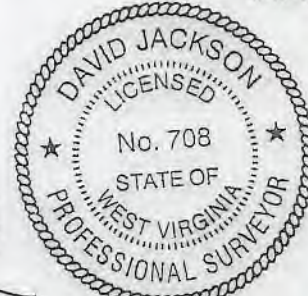


WELL RESTRICTIONS

- NO OCCUPIED DWELLINGS > 2500 SQ FT. WITHIN 625 FEET OF CENTER OF PAD.
- NO AGRICULTURE BUILDINGS > 2500 SQ FT. WITHIN 625 FEET OF CENTER OF PAD.
- NO WATER WELLS OR DEVELOPED SPRINGS ARE WITHIN 250 FEET OF PROPOSED WELL.
- NO PERENNIAL STREAMS, LAKES, PONDS, OR RESERVOIRS WITHIN 100 FEET OF THE LIMITS OF DISTURBANCE.
- NO NATURALLY PRODUCING TROUT STREAM WITHIN 300 FEET OF LIMITS OF DISTURBANCE.
- NO GROUND INTAKE OF PUBLIC WATER SUPPLY WITHIN 1000 FEET OF WELL PAD, LIMITS OF DISTURBANCE, E & S CONTROLS OR PUBLIC WATER SUPPLY.

NOTES ON SURVEY

- 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.
- THIS PLAT DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARCELS SHOWN HEREON.
- ALL INSETS ARE GRID NORTH UNLESS OTHERWISE DEPICTED.
- 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. 708

David L Jackson

2000 0 2000

GRAPHIC SCALE IN FEET

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)

COMPANY: CHARLES FRYE OHI

OPERATOR'S WELL #: 205H

API WELL #: 47 STATE 069 COUNTY PERMIT 00232

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

WATERSHED: MARLOW RUN OF MIDDLE WHEELING CREEK OF WHEELING CREEK (HUC-10) ELEVATION: 1266.8'

DISTRICT: TRIADELPHIA COUNTY: OHIO QUADRANGLE: VALLEY GROVE, WV

SURFACE OWNER: DOROTHY FRYE (LIFE ESTATE), AMY M. FRYE & CARRIE L. FRYE (REMAINDERMAN) ACREAGE: ±105.00

OIL & GAS ROYALTY OWNER: DOROTHY V. FRYE ACREAGE: ±105.00

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: 6,536 TVD 17,414 TMD

WELL OPERATOR: SWN PRODUCTION COMPANY, LLC ADDRESS: 1300 FORT PIERPONT ROAD, SUITE 200 CITY: MORGANTOWN STATE: WV ZIP CODE: 26508

DESIGNATED AGENT: BRITTANY WOODY ADDRESS: 1300 FORT PIERPONT ROAD, SUITE 200 CITY: MORGANTOWN STATE: WV ZIP CODE: 26508

LEGEND:

- PROPOSED SURFACE HOLE / BOTTOM HOLE
- EXISTING / PRODUCING WELLHEAD
- LPL* LANDING POINT LOCATION
- EXISTING WATER WELL
- EXISTING SPRING
- SURVEYED BOUNDARY
- DRILLING UNIT
- LEASE BOUNDARY
- PROPOSED PATH

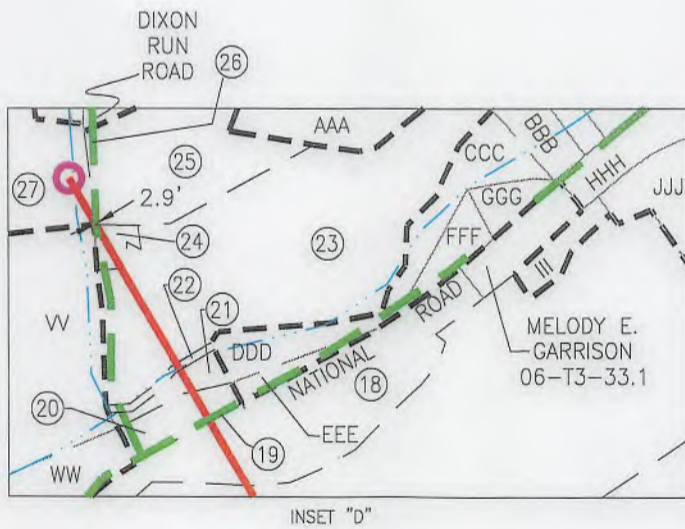
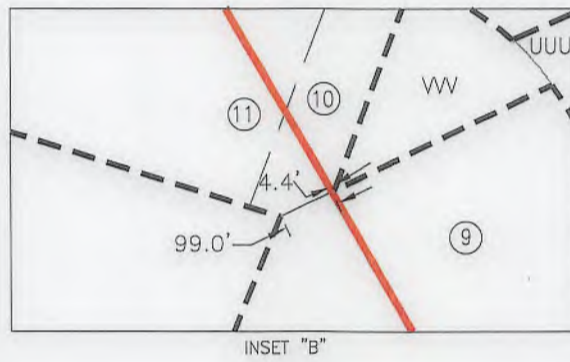
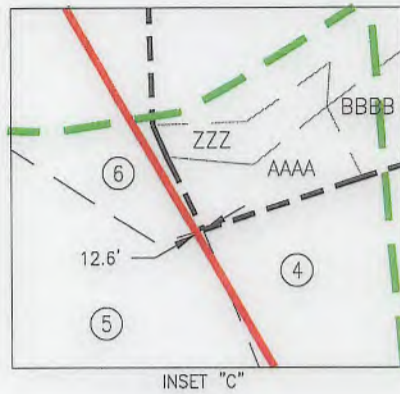
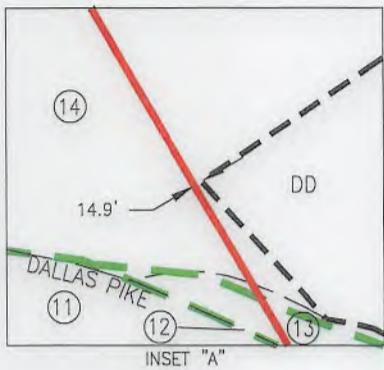
REVISIONS:



- REVISOR: REVISED SHL 01-29-2019
- DATE: 01-21-2019
- DRAWN BY: N. MANO
- SCALE: 1" = 2000'
- DRAWING NO:
- WELL LOCATION PLAT

JACKSON SURVEYING

INC.

P.O. Box 1460
677 W. Main St.
Clarksburg, WV 26302
304-623-5851



REVISIONS:	COMPANY:		 		
▲ REVISED SHL 01-29-2019					
	OPERATOR'S	CHARLES FRYE OHI	API #:	DATE: 01-21-2019	
	WELL #:	205H	47-069-00232	DRAWN BY: N. MANO	
	DISTRICT:	TRIADDELPHIA	COUNTY:	OHIO	SCALE: N/A
			STATE:	WV	DRAWING NO:
					WELL LOCATION PLAT 2

**JACKSON SURVEYING
INC.**

P.O. Box 1460
677 W. Main St.
Clarksburg, WV 26302
304-623-5851

WELL BORE TABLE FOR SURFACE / ROYALTY OWNERS		
TRACT	SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL
1	DOROTHY V. FRYE (LIFE ESTATE), AMY M. FRYE & CORRIE L. FRYE (REMAINDERMEN) (S)/ DOROTHY V. FRYE (R)	06-T14-01
TRACT	SURFACE OWNER	TAX PARCEL
2	GEORGE L. DUNN & NANCY M. DUNN(LIFE), POSEY, DUNN, HAND & KERCHER (S)	06-T9-20
3	SARAH ANN PORTER (S)	06-T9-20.44
4	DALLAS PIKE CAMPGROUND, L.L.C. (S)	06-T9-15
5	DALLAS PIKE CAMPGROUND, L.L.C. (S)	06-T9-16.4
6	WARREN ALLEN GRIFFITH & SHARON MAE GRIFFITH (S)	06-T9-15.3
7	WEST VIRGINIA DEPARTMENT OF TRANSPORTATION (S)	I-70
8	JAMIE RIGGLE, F/K/A JAMIE DENHAM (S)	06-T9-10
9	JOHN E. STANTON & DIANE M. STANTON (S)	06-T8-28
10	LARRY J. DONATO (S)	06-T8-23
11	LINDA STOCK CLARK, A/K/A LINDA LEE CLARK (S)	06-T8-21
12	WEST VIRGINIA DEPARTMENT OF TRANSPORTATION (S)	WV COUNTY RT. 41 (DALLAS PIKE)
13	KENNETH M. PARKER (S)	06-T8-22
14	BRIAN NEAL MILAN, JOEL GEORGE MCFARLAND, & DON EARL MCFARLAND (S)	06-T8-12
15	KEVIN S. KOSEM & BRENDA A. KOSEM (S)	06-T3-27
16	STEPHEN J. GRETCHEN & THERESA L. GRETCHEN (S)	06-T8-11
17	MELODY E. GARRISON; ALBERT W. BOND (S)	06-T3-20
18	MELODY E. GARRISON (S)	06-T3-33
19	WEST VIRGINIA DEPARTMENT OF TRANSPORTATION (S)	NATIONAL ROAD
20	JEFF HOCKENBERRY (S)	06-T3-17
21	JEFF HOCKENBERRY (S)	06-T3-15.5
22	GERALD T. MOORE & ANNA M. MOORE (S)	06-T3-15.4
23	GERALD T. MOORE & ANNA M. MOORE (S)	06-T3-15
24	GERALD T. MOORE & ANNA M. MOORE (S)	06-T3-14.1
25	GERALD T. MOORE & ANNA M. MOORE (S)	06-T3-14
26	WEST VIRGINIA DEPARTMENT OF TRANSPORTATION (S)	DIXON RUN ROAD
27	BOARD OF COMMISSION OF OHIO COUNTY (S)	03-L13-03

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
A	DALLAS PIKE CAMPGROUND, LLC	06-T8-47.10
B	JOHN HENRY STANTON & MARTHA STANTON	06-T8-29
C	OHIO COUNTY DEVELOPMENT AUTHORITY	06-T8-67
D	KAREN M. NOLL, MARK A. HOHMAN, JEFFREY J. HOHMAN, CHRISTINE M. MINCH, AMY J. TORRES, BARBARA J. ELCHENLAUB, SUSAN K. SHARP, DAVID H. HOHMAN, TIMOTHY P. TEUFEL & HARRY A. HOHMAN TRUST AGREEMENT, UNDER AGREEMENT DATED THE 25TH DAY OF JUNE, 2014, WITH DAVID, H. HOHMAN TRUSTEE	06-T8-27
E	H3, LLC	06-T8-20.2
F	RACHEL WIECHMAN, AMY MARTINI, JOHN WIECHMAN, ROBERT WIECHMAN, STEVEN WIECHMAN, RANDY WIECHMAN & GARY WIECHMAN	06-T8-11.1
G	GARY S. BOBES & JILL A. BOBES	06-T8-20
H	KENNETH L. MURPHY & R.L. MURPHY	06-T8-10
	UNITED PRESBYTERIAN CHURCH (TRUSTEES)	06-T8-09
J	DOUGLAS SHUMAN	06-T3-19
K	JANIE K. KUHENS	06-T3-34
L	SUPERIOR INDUSTRIAL LAUNDRIES, INC.	06-T30-26
M	PAULA C. STEPHAN & ORION E. STEPHAN	06-T30-25
N	LOGAN J. FISHER	06-T30-24
O	ROBERT B. CLARK & EVELYN M. CLARK	06-T30-23
P	KAREN L. HARRIGAN	06-T30-22
Q	PHK, LLC	06-T30-21
R	TAMMY M. HAMMONS	06-T30-20
S	EDDIE L. MCDANIELS & TRACY L. MCDANIELS	06-T30-19
T	JUSTIN S. MARSH & ASHLEY FONNER	06-T30-18.1
U	HOLLY M. FLACK	06-T30-18
V	BARBARA ANN MCKENNA (LIFE); JOSEPH A. MCKENNA, III (REMAINDERMAN)	06-T30-17
W	BOARD OF COMM. OHIO CO.	06-T30-13
X	KENNETH L. NELSON	06-T30-10
Y	CINDY M. HUNTER	06-T30-11.1
Z	CINDY M. HUNTER	06-T30-11
AA	CINDY MARIE HUNTER	06-T30-12
BB	RANDY & BRENDA HANNING	06-T3-5.2
CC	RANDY DALE & BRENDA JOYCE HANNING	06-T3-5.1
DD	BOARD OF COMMISSIONERS	06-T3-10
EE	BARBARA A. SHORES	06-T3-09
FF	JAMES R. HUGHES & DARLA J. HUGHES	06-T3-08
GG	TRACY E. KETRON & JOHN P. KETRON	06-T3-07
HH	ALFRED DERR, JR	06-T3-06
	CARL J. SELLER	03-L13-24
JJ	KIMBERLY STEVENSON, JAMES STEVENSON, BRENDA STEVENSON DELGADO	03-L13-6.1
KK	TYSON L. LOVERIDGE & VANESSA LOVERIDGE	03-L13-6
LL	TYSON L. LOVERIDGE & VANESSA LOVERIDGE	03-L13-6.4
MM	JAMES E. WHEELER, III & CHRISTINE WHEELER	03-L13-8.2
NN	JAMES E. WHEELER, JR. & B.J. WHEELER	03-L13-09
OO	JAMES E. WHEELER, JR. & B.J. WHEELER	03-L13-10
PP	JOLLY W. WHEELER, SR. & SARAH JANE WHEELER (LIFE)	03-L13-12.3
QQ	STEVEN P. SHEARER	03-L13-12.1
RR	GARY L. DEMERSKI & MARY C. DEMERSKI	03-L13-14
SS	KEITH E. BARON & C.J. BARON	03-L13-15
TT	HARRY E. HOLMAN & C.L. HOLMAN	06-T3-12
UU	HARRY E. HOLMAN & CHERYL L. HOLMAN	06-T3-11
VV	OHIO COUNTY COMMISSION	06-T3-28
WW	JDS INVESTMENTS, LLC	06-T3-16

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
XX	GERALD T. MOORE	06-T3-20.2
YY	GERALD T. MOORE & ANNA M. MOORE	06-T3-20.3
ZZ	CHERYL L. HOLMAN & H.E. HOLMAN	06-T3-13
AAA	GERALD T. MOORE & ANNA M. MOORE	06-T3-15.3
BBB	CAROL G. TEMPLIN	08-VG10-01
CCC	AMC, INC.	06-T3-15.1
DDD	WHEELING POWER COMPANY	06-T3-15.2
EEE	WHEELING POWER COMPANY	06-T3-17.1
FFF	CAROL G. TEMPLIN	06-T3-18
GGG	CAROL G. TEMPLIN	06-T3-18.1
HHH	WILLIAM EDWARD CROW	08-VG10-14.1
III	CAROL G. TEMPLIN	06-T3-20.1
JJJ	ROBERT W. MCCORD JR. & DIANNA L. MCCORD	06-T3-21
KKK	LAURA R. BERNIER	06-T3-24
LLL	RUTH R. HALL	06-T3-25
MMM	WILMA E. BROCK & ROBERT A. BROCK	06-T3-26.1
NNN	RICHARD HENRY & REBECCA HENRY	06-T3-26
OOO	RANDAL ALAN HOWARD	06-T8-16
PPP	BRYAN NEAL MILAN, JOEL GEORGE MCFARLAND & DON EARL MCFARLAND	06-T8-13
QQQ	DONNA LEE ROBERSON	06-T8-14
RRR	JOEL P. ORTH	06-T8-15
SSS	MARY F. STONE	06-T8-15.1
TTT	EARL THOMAS BEABOUT, SR. & ANN ELIZABETH BEABOUT	06-T9-1.2
UUU	ALICIA COAD & BRENT NIXON	06-T9-08
VVV	LARRY J. DONATO	06-T8-23.1
WWW	MARGARET TUSTIN GREENWALD KLUG	06-T9-09
XXX	EDWARD D. GARRISON	06-T9-11
YYY	FREDERICK H. TUSTIN	06-T9-15.1
ZZZ	MICHAEL J. JOHNSON & ELIZA J. JOHNSON	06-T9-59
AAAA	MICHAEL J. JOHNSON	06-T9-15.6
BBBB	MICHAEL J. JOHNSON	06-T9-15.2
CCCC	DALLAS PIKE CAMPGROUND INC.	06-T9-15
DDDD	LINDA M. ORR & ROBERT BRADY ORR	06-T9-13
EEEE	CHEROKEE TRADING POST, INC.	06-T9-17.7
FFFF	CHEROKEE TRADING POST, INC.	06-T9-17.6
GGGG	BRIAN D. DOLENCE & DONNA J. DOLENCE	06-T9-17.1
HHHH	JOSHUA R. BOYD & AMY M. BOYD	06-T9-20.22
IIII	JOSHUA R. BOYD & AMY M. BOYD	06-T9-20.18
JJJJ	PHILLIP MARQUART & KERSTEN MARQUART	06-T9-20.45
KKKK	SARAH ANN PORTER	06-T9-20.41
LLLL	NANCY DUNN	06-T9-20.2
MMMM	CHRISTOPHER R. DUNN & TANAKA H. DUNN	06-T9-20.46
NNNN	GEORGE L. DUNN & NANCY M. DUNN (LIFE), KATHERINE A. POSEY, CHRISTOPHER DUNN, RHONDA L. HAND & CONSTANCE L. KERCHER	06-T9-20.50
OOOO	JAMES L. ABERCROMBIE & DIANA L. ABERCROMBIE	06-T9-20.30
PPPP	JAMES L. ABERCROMBIE & DIANA L. ABERCROMBIE	06-T9-20.29
QQQQ	DONNA L. HOLMAN-ALOE	06-T9-20.23
RRRR	MICHAEL J. WHEELER	06-T9-20.31
SSSS	MICHAEL J. WHEELER	06-T9-20.26
TTTT	MICHAEL J. WHEELER	06-T9-20.37
UUUU	BRENT A. HILL & PATTY J. HILL	06-T9-20.47
VVVV	BRENT A. HILL & PATTY J. HILL	06-T9-20.32
WWWW	DONALD W. PEGG & JANICE L. PEGG	06-T9-20.1
XXXX	GARY FLANEGIN	06-T9-20.20
YYYY	MICHAEL W. NASH & CECELIA J. NASH	06-T9-20.19
ZZZZ	LISA A. OLIVER	06-T9-20.21

REVISIONS:
A REVISED SHL 01-29-2019

COMPANY:

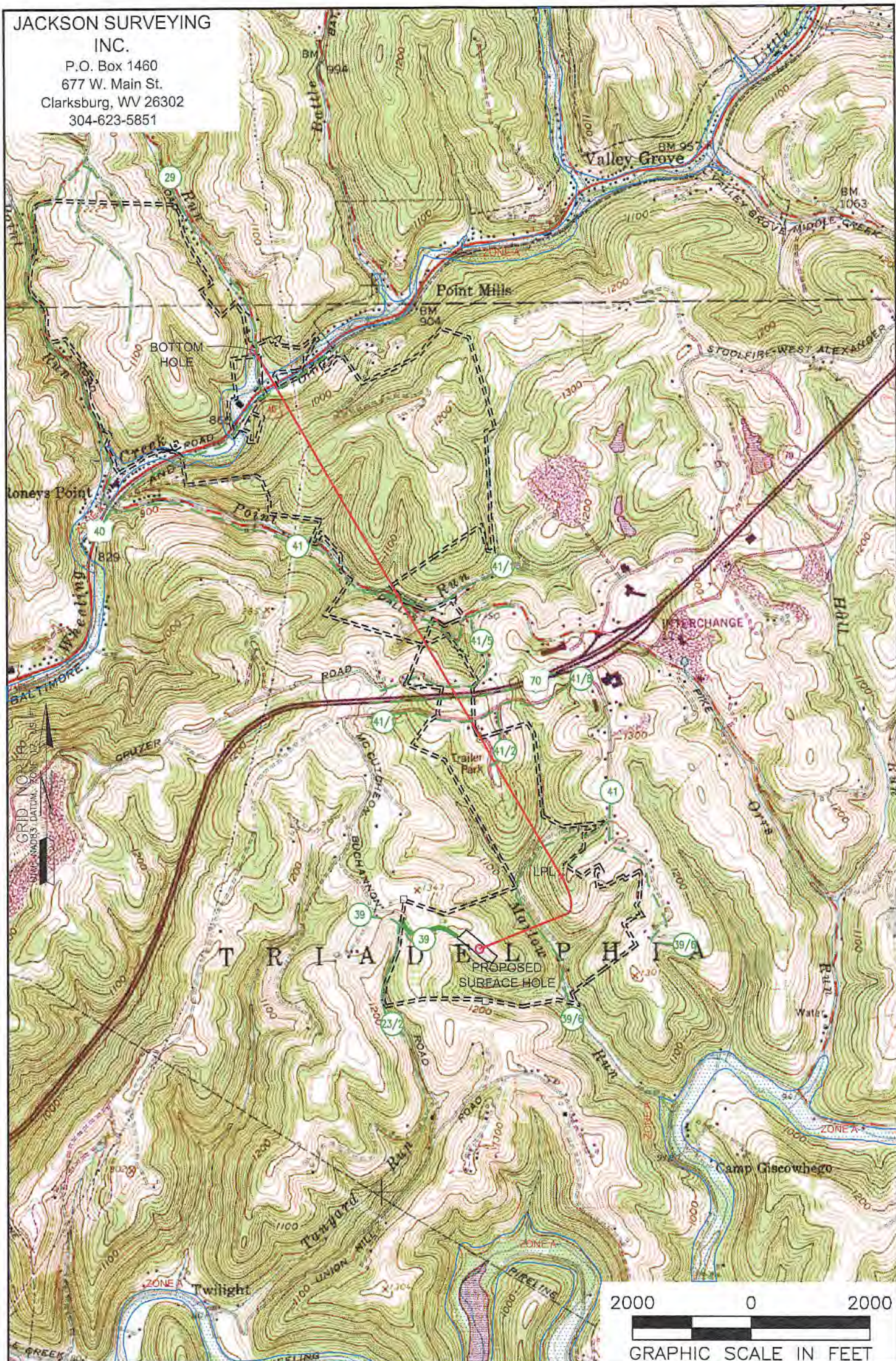


OPERATOR'S	CHARLES FRYE OHI	API #:	DATE: 01-21-2019
WELL #:	205H	47-069-00232	DRAWN BY: N. MANO
DISTRICT:	TRIADELPHIA	COUNTY:	SCALE: N/A
		STATE:	DRAWING NO:
		WV	WELL LOCATION PLAT 3

JACKSON SURVEYING

INC.

P.O. Box 1460
677 W. Main St.
Clarksburg, WV 26302
304-623-5851



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
- FLOOD PLAN
- ACCESS ROAD
- - - PUBLIC ROAD
- ACCESS ROAD TO PREV. SITE
- = = = LEASE BOUNDARY
- PROPOSED PATH

WELL OPERATOR: SWN PRODUCTION COMPANY, LLC	WELL (FARM) NAME: CHARLES FRYE OHI	WELL # 205H	SERIAL #
ADDRESS: P.O. BOX 1300 JANE LEW, WV 26378	COUNTY - CODE OHIO - 069	DISTRICT; TRIADELPHIA	
SURFACE OWNER: DOROTHY V. FRYE	USGS 7 1/2 QUADRANGLE MAP NAME VALLEY GROVE, WV	API # 47-069-00232	

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: *Tail Han*
 Its: Senior Landman

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Environmental Protection

EXHIBIT "A"

Attached to and made a part of the State of West Virginia Oil and Gas Permit Form, W-6A1, by SWN Production Company, LLC, Operator
Charles Frye OHI 205H
Ohio County, West Virginia

#	TMP	LESSOR	LESSEE	ROYALTY	8K/PG
1)	06-T14-01	Dorothy V. Frye, a widow	Great Lakes Energy Partners, L.L.C. Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	12.50%	775/335 808/375 883/204
2)	06-T9-20	George L. Dunn and Nancy M. Dunn, husband and wife	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	14.00%	795/556 885/524
3)	06-T9-20.44	Charles Porter and Sarah Ann Porter, his wife	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	18.00%	807/294 883/291
4)	06-T9-16	Dallas Pike Campground, LLC	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	18.00%	811/686 883/216
5)	06-T9-16.4	Dallas Pike Campground, LLC	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	18.00%	811/682 883/216
6)	06-T9-15.3	Warren Allen Griffith and Sharon Mae Griffith, husband and wife	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	18.00%	845/102 885/404
7)	I-70	Warren Allen Griffith and Sharon Mae Griffith, husband and wife	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	18.00%	845/102 885/404
	I-70	Jamie Riggle f/k/a Jamie Denham, a married woman dealing in her sole and separate property	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	18.00%	849/760 885/416
8)	06-T9-10	Jamie Riggle f/k/a Jamie Denham, a married woman dealing in her sole and separate property	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	18.00%	849/760 885/416
9)	06-T8-28	John E. Stanton and Diane M. Stanton, husband and wife	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	18.00%	816/73 884/253
10)	06-T8-23	Larry J. Donato, a married man dealing his sole and separate property	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	18.00%	847/464 885/416
11)	06-T8-21	Frances F. Darrah, a widow	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	12.50%	846/684 885/482

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Charles Frye OHI 205H
Ohio County, West Virginia

12)	WV County RT. 41 (Dallas Pike)	West Virginia Department of Transportation, Division of Highways	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	15.00%	830/11 883/611
13)	06-T8-22	Kenneth M. Parker, single	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	18.00%	816/690 883/243
14)	06-T8-12	Joel George McFarland, a married man dealing in his sole and separate property Don Earl McFarland, a single man Brian Neal Milan, a single man	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	18.00% 18.00% 18.00%	817/783 884/325 817/608 884/325 817/745 884/325
15)	06-T3-27	Kevin S. Kosem and Brenda A. Kosem, husband and wife	Chevron U.S.A. Inc. Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	16.00%	834/30 858/359 885/296
16)	06-T8-11	Stephen J. Gretchen and Theresa L. Gretchen, husband and wife	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	12.50%	789/524 885/482
17)	06-T3-20	Clyde E. McCord, a married man dealing in his sole and separate property (life estate) and Melody E. Garrison, a married woman dealing in her sole and separate property (remainderman)	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	12.50%	791/37 885/500
18)	06-T3-33	Melody E. Garrison, a single woman	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	12.50%	791/409 885/500
19)	National Road	West Virginia Department of Transportation, Division of Highways	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	15.00%	830/11 883/611
20)	06-T3-17	Darlene A. Klug, a single woman	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	18.00%	805/258 883/267

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Charles Frye OHI 205H
Ohio County, West Virginia

		Jeff Hockenberry, a single man	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	18.00%	806/309 883/267
21)	06-T3-15.5	Jeff Hockenberry, a single man	SWN Production Company, LLC	18.00%	951/292
22)	06-T3-15.4	Gerald T. Moore & Anna M. Moore, husband and wife	SWN Production Company, LLC	16.00%	950/634
23)	06-T3-15	Gerald T. Moore and Anna M. Moore, husband and wife	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	18.00%	808/191 883/303
24)	06-T3-14.1	Gerald T. Moore and Anna M. Moore, husband and wife	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	18.00%	808/313 883/291
25)	06-T3-14.1	Gerald T. Moore and Anna M. Moore, husband and wife	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	18.00%	808/313 883/291
26)	Dixon Run Road	West Virginia Department of Transportation, Division of Highways	SWN Production Company, LLC	15.00%	928/794
27)	03-L13-03	The Board of Commissioners of Ohio County a/k/a The County Commission of Ohio County, State of West Virginia	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	18.00%	804/711 885/272

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SWN Production Company, LLC
1300 Fort Pierpont Dr, Ste 201
Morgantown, WV 26508
Tel: 304 884 1610
Fax: 304 471 2497
www.swn.com

January 21, 2019

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

RE: SWN's proposed well: Charles Frye OHI 205H in Ohio County, West Virginia, Drilling under McCutcheon Road, Cherokee PI, Dallas Pike, I-70 Cruiser Road, Cabela Drive, Orrs Run Road, & Co Hwy 39/6.

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 McCutcheon Road, Cherokee PI, Dallas Pike, I-70 Cruiser Road, Cabela Drive, Orrs Run Road, & Co Hwy 39/6.. 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,

Travis Hill
Senior Landman
SWN Production Company, LLC

The Right People doing the Right Things,
wisely investing the cash flow from our
underlying Assets, will create Value.®

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