

(2,000' SCALE) LATITUDE: 40°12'30" SURFACE HOLE

(2,000' SCALE) LATITUDE: 40°12'30" BOTTOM HOLE

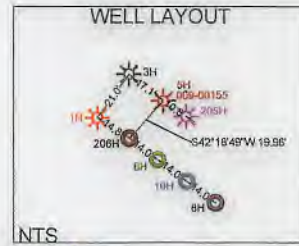
6664'

3246'



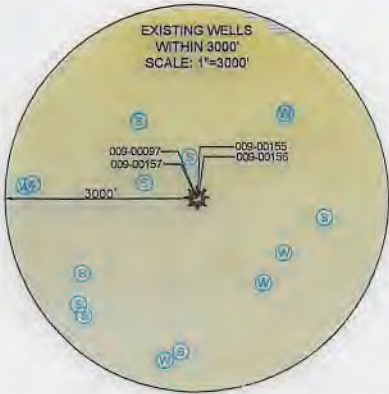
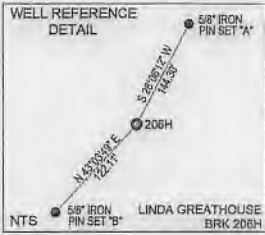
www.jhacompanies.com

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



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

06/14/2019



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: 4450484.49 EASTING: 533447.37
LANDING POINT LOCATION (LPL):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4450342.24 EASTING: 533015.62
BOTTOM HOLE LOCATION (BHL):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4446803.67 EASTING: 534506.62

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





	(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS	MINIMUM DEGREE OF ACCURACY: 1/200	LINDA GREATHOUSE BRK
	WVDEP OFFICE OF OIL & GAS 601 57TH STREET CHARLESTON, WV 25034	PROVEN SURVEY SOURCE OF ELEVATION: GRADE GPS (NAVD 88, US FT)	OPERATOR'S WELL #: 206H API WELL #: 47 009 00278 STATE COUNTY PERMIT
WELL TYPE: OIL <input type="checkbox"/> WASTE DISPOSAL <input type="checkbox"/> PRODUCTION <input checked="" type="checkbox"/> DEEP <input type="checkbox"/> GAS <input checked="" type="checkbox"/> LIQUID INJECTION <input type="checkbox"/> STORAGE <input type="checkbox"/> SHALLOW <input checked="" type="checkbox"/>		ELEVATION: 1,139.1'	
WATERSHED: UPPER OHIO SOUTH		QUADRANGLE: BETHANY, WV	
DISTRICT: BUFFALO COUNTY: BROOKE		ACREAGE: ±322.84	
SURFACE OWNER: LINDA REEVES GREATHOUSE & VICKI LYNN HAMILTON		ACREAGE: ±322.84	
OIL & GAS ROYALTY OWNER: LINDA REEVES GREATHOUSE & VICKI LYNN HAMILTON		ESTIMATED DEPTH: 6,029' TVD 19,066.6'TMD	
DRILL <input checked="" type="checkbox"/> DRILL DEEPER <input type="checkbox"/> REDRILL <input type="checkbox"/> FRACTURE OR STIMULATE <input checked="" type="checkbox"/> PLUG OFF OLD FORMATION <input type="checkbox"/> PERFORATE NEW FORMATION <input type="checkbox"/>			
CONVERT <input type="checkbox"/> PLUG & ABANDON <input type="checkbox"/> CLEAN OUT & REPLUG <input type="checkbox"/> OTHER CHANGE <input type="checkbox"/> (SPECIFY)			
TARGET FORMATION: MARCELLUS			
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:		REVISIONS:	
<ul style="list-style-type: none"> 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 		<ul style="list-style-type: none"> DATE: 02-07-2019 API #: 47-009-XXXX DRAWN BY: D. REED SCALE: 1" = 3000' DRAWING NO: 2018-204 WELL LOCATION PLAT 	

WELL BORE TABLE FOR SURFACE / ROYALTY OWNERS		
TRACT	SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL
1	LINDA REEVES GREATHOUSE & VICKI LYNN HAMILTON (S/R)	03-837-0087.0000
TRACT	SURFACE OWNER	TAX PARCEL
2	ROCCO BASIL	03-842-0019.0000
3	PHYLLIS P. MARKER	03-842-0052.0000
4	JAMES L. BONAR & ET AL	03-842-0054.0000
5	WINDSOR POWER HOUSE COAL COMPANY	03-842-0055.0000
6	RALPH O. & GINA L. SMITH	03-842-0064.0000
7	MIKE RYNIWEC	03-842-0033.0000
8	MIKE RYNIWEC	03-842-0034.0000
9	CAROL G. DWYER	03-847-0030.0000
10	TERRY D. HARWATT	03-847-0032.0001
11	JOHN WILSON, MARK WILSON, CAROL SHAIN & BETH HOOD	03-847-0025.0003
12	CAROL DWYER	03-847-0025.0000
13	SUSAN IRENE ROEDER, GLEN FRANCIS & ET AL	03-847-0034.0000
14	ROBERT W. & EDITH A. MILVET	03-847-0040.0000
15	RONALD G. & DONNA M. KELLER	03-847-0041.0000
16	DEREK J. & NICOLE L. ENNIS	03-847-0043.0000
17	DEREK J. & NICOLE L. ENNIS	09-L1-43
18	DEREK J. & NICOLE ENNIS	03-L1-4.2
19	JANICE L. SEYLER	09-WL1-9.3
20	DEBORAH J. & THOMAS W. BUKOVAC	09-WL1-9.1
21	DEBORAH J. & THOMAS W. BUKOVAC	09-WL1-9
22	BERNARD PETTIT	09-WL1-10
23	BERNARD R. PETTIT	09-WL1-11
24	BERNARD R. PETTIT	09-WL1-7
25	JEFFREY W. & JULIE L. RYAN	09-WL1-12
26	BENJAMIN T. BORDAS	09-WL1-12.1

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
BJ	NJS HOLDINGS, LLC	09-WL3-51
BK	CHARLES BONAR	03-L1-4
BL	MICHAEL A. & DIANA L. RICE	09-WL3-3
BM	FRANK, JR. & J.D. BLASKOVICH	09-WL3-2
BN	FRANK BLASKOVICH, JR. & JENNIFER D. BLASKOVICH	09-WL3-1
BO	CHARLES BONAR	03-L1-21.1
BP	MATTHEW P. BONAR	03-L1-21.3
BQ	CHARLES W. & CHARLOTTE R. BONAR	03-L1-2.6
BR	LAWRENCE & MARTHA SAYRE	03-847-0014.0000
BS	CAROL DWYER	03-847-0025.0002
BT	BETH ANN HOOD	03-847-0028.0001
BU	RONALD J. & BETH A. HOOD	03-847-0027.0000
BV	CAROL G. DWYER	03-847-0029.0000
BW	WAYNE A. ABERCROMBIE, JR.	03-847-0028.0000
BX	SCOTT T. WILHELM	03-847-0028.0001
BY	PHILIPS R. & CORISSA DWAYER	03-847-0025.0004
BZ	THURMAN O., JR. & KATHY I. SPEECE	03-847-0024.0000
CA	ROBERT E. & LAURA G. GREATHOUSE	03-847-0025.0001
CB	JOHN D. MILLER & JENNIFER LYN NEWMAN	03-847-0022.0000
CC	LAWRENCE G. & CATHIE SUE PAUGH	03-847-0021.0000
CD	LAWRENCE GRANT PAUGH	03-847-0020.0000
CE	STEISON E. & WENDY S. SUTER	03-847-0023.0000
CF	JOSEPH S. & JANE M. BUREK	03-847-0019.0000
CG	ELIZABETH ELLEN FLUHARTY	03-847-0018.0000
CH	APPALACHIA MIDSTREAM SERVICES, LLC	03-842-0029.0000
CI	HENRY HEINZROTH	03-842-0032.0000
CJ	HAROLD RICHARD & JOY LYNN KENNY	03-842-0020.0000
CK	BRUCE & DARLENE HENTHORN	03-842-0014.0000
CL	BRUCE & DARLENE HENTHORN	03-842-0019.0001
CM	EDWARD E. & NANCY J. CONLEY	03-842-0017.0000
CN	RICKEY & DEBRA CONLEY	03-842-0018.0000
CO	EDWARD E. & NANCY J. CONLEY	03-842-0016.0000
CP	EDWARD E. & NANCY J. CONLEY	03-842-0015.0000
CQ	DANIEL R. GORBY	03-842-0026.0000
CR	DANIEL R. GORBY	03-842-0003.0000
CS	ELLEN M. STANLEY	03-842-0001.0000
CT	VICTOR CHARLES SMITH	03-837-0130.0000
CU	CHRISTOPHER SCOTT MILLER	03-837-0094.0000
CV	KEVIN CHUMNEY	03-837-0093.0000

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
A	DEBRA F. CYPHERT, MATTHEW H. FAIR & ET AL	03-837-0091.0000
B	ROBERT BONE	03-837-0090.0000
C	ROBERT BONE	03-837-0089.0000
D	ROBERT BONE	03-837-0090.0001
E	DEBRA F. CYPHERT, MATTHEW H. FAIR & ET AL	03-837-0088.0000
F	CARL R. & SANDRA S. CLARK	03-837-0086.0000
G	BRIAN K. & GINA M. HANEY	03-837-0077.0000
H	LPS INVESTMENT PARTNERSHIP	03-837-0066.0000
I	EDGAR S. & CECELIA M. ERDMAN	03-842-0049.0000
J	ELLEN B. SANFORD	03-837-0076.0000
K	JAMES & JO ELLEN HAIZLETT	03-842-0060.0002
L	AUSTIN WAYNE & JUSTINE ADAH WADE	03-842-0060.0001
M	AUSTIN WAYNE & JUSTINE ADAH WADE	03-842-0050.0000
N	TRUMAN A. & MARY SPEECE, DOROTHY SPEECE & THURMAN SPEECE, JR.	03-842-0058.0000
O	WINDSOR POWER HOUSE COAL COMPANY	03-842-0053.0000
P	WINDSOR POWER HOUSE COAL COMPANY	03-842-0051.0000
Q	WINDSOR POWER HOUSE COAL COMPANY	03-842-0056.0000
R	WINDSOR POWER HOUSE COAL COMPANY	03-842-0057.0000
S	JEFFREY S. & DAWNA J. WARD	03-842-0059.0004
T	RALPH O. & GINA L. SMITH	03-842-0070.0000
U	RALPH O. & GINA L. SMITH	03-842-0068.0000
V	RALPH O. & GINA L. SMITH	03-842-0066.0000
W	RALPH & GINA SMITH	03-842-0065.0000
X	MICHAEL DAVID & BETH ANN FINK	03-842-0038.0000
Y	DOUGLAS L. & BELINDA TURNER	03-842-0035.0000
Z	NOEL R. & JOYCE L. SCHWERTFEGER	03-842-0040.0000
AA	JOHN E. HARWATT, TERRY D. HARWATT & SHIRLEY MAE NEIL	03-847-0032.0000
AB	TERRY D. HARWATT	03-847-0031.0000
AC	TERRY D. HARWATT	03-847-0032.0004
AD	TERRY D. HARWATT	03-847-0032.0002
AE	SANDRA K. ROEDER, GLENN I. FRANCIS, JR. & ET AL	03-847-0035.0000
AF	BRIAN G. & DEBORA I. FEIST	03-847-0036.0000
AG	ERNEST, JR. & SUSAN ROEDER	03-847-0037.0000
AH	SUSAN ROEDER, GLENN IRWIN FRANCIS, JR. & ET AL	03-847-0038.0000
AI	SUSAN IRENE ROEDER, GLEN FRANCIS & ET AL	03-847-0039.0000
AJ	JOHN E. & EDITH R. HARWATT	03-847-0032.0003
AK	DEREK J. & NICOLE L. ENNIS	03-847-0033.0001
AL	OHIO COUNTY COMMISSION	09-WL1-1
AM	BONNIE J. CARR & DEAN S. CARR	09-WL1-2
AN	CHILDRENS FARM TRUST	09-WL1-14
AO	JANICE J. SEYLER	09-WL1-4
AP	BERNARD R. PETTIT	09-WL1-9.5
AQ	THOMAS W. & DEBROAH J. BUKOVAC	09-WL1-9.2
AR	DEBORAH J. & THOMAS W. BUKOVAC	09-WL1-9.7
AS	DEBORAH J. & THOMAS W. BUKOVAC	09-WL1-9.6
AT	MISTI D. PASSARELLO	03-L1-13
AU	GEORGE E. DENNIS	09-WL1-13
AV	JEREMIAH J. & CHELSIE C. BUKOVAC	09-WL3-22.1
AW	AMANDA J. & DOUGLAS G. NAYLOR	09-WL3-22
AX	META M. LASCH	09-WL3-133
AY	TIMOTHY L. & PATRICIA L. SCHERF	09-WL3-132
AZ	B. SEIDLER, R. TAYLOR, M. MAUCK & F. STANLEY (L/E)	09-WL3-17
BA	B. SEIDLER, R. TAYLOR, M. MAUCK & F. STANLEY (L/E)	09-WL3-16
BB	B. SEIDLER, R. TAYLOR, M. MAUCK & F. STANLEY (L/E)	03-WL3-15
BC	PAUL E. DAWSON	09-WL3-21
BD	R.L. CLARK, JR. & C.L. HLEBICZKI	09-WL3-131
BE	JERALDINE W. DAILEY	09-WL3-130
BF	JERALDINE W. DAILEY	09-WL3-129
BG	ROBERT S. & JANET L. WISE	09-WL3-127.1
BH	LIBERTY HIGH SCHOOL	09-WL3-7
BI	MASONIC LODGE 26 A.F.A.M.	09-WL3-6

47-009-00278

REVISIONS:	COMPANY:	 	
	OPERATOR'S	LINDA GREATHOUSE BRK	DATE: 02-07-2019
	WELL #:	206H	API #: 47-009-XXXX
	DISTRICT:	BUFFALO	DRAWN BY: D. REED
	COUNTY:	BROOKE	SCALE: N/A
	STATE:	WV	DRAWING NO: 2018-204
			WELL LOCATION PLAT