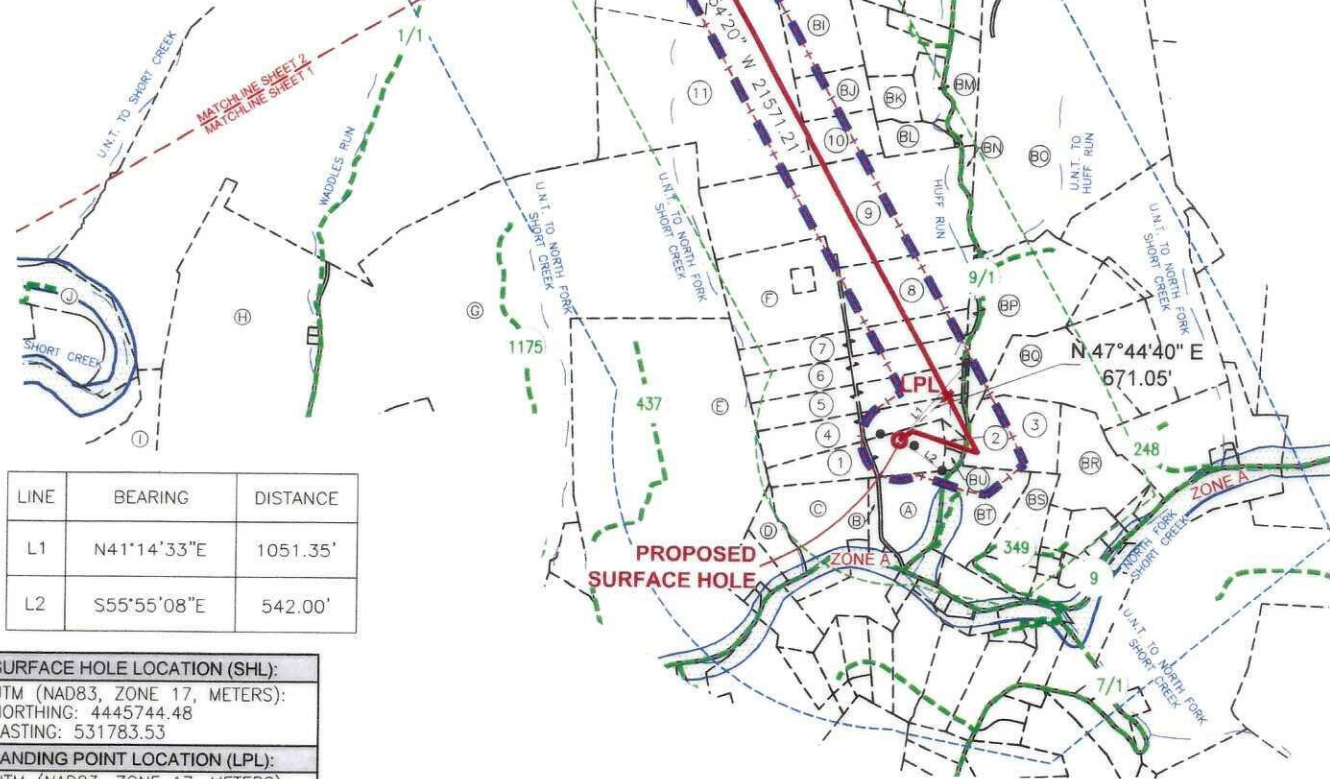
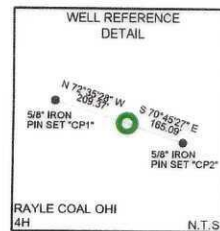


LATITUDE: 40°10'00" SURFACE HOLE (2000' SCALE) 491'

LATITUDE: 40°15'00" BOTTOM HOLE (2000' SCALE)

JHA SURVEYING,
ENGINEERING
ENVIRONMENTAL
ARCHITECTURE
68011 Vineyard Road
St. Clairsville, Ohio 43950
740-695-6100

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



LINE	BEARING	DISTANCE
L1	N41°14'33\"E	1051.35'
L2	S55°55'08\"E	542.00'

SURFACE HOLE LOCATION (SHL):

UTM (NAD83, ZONE 17, METERS):
NORTHING: 4445744.48
EASTING: 531783.53

LANDING POINT LOCATION (LPL):

UTM (NAD83, ZONE 17, METERS):
NORTHING: 4445884.48
EASTING: 531932.54

BOTTOM HOLE LOCATION (BHL):

UTM (NAD83, ZONE 17, METERS):
NORTHING: 4451584.10
EASTING: 528659.74

NOTES ON SURVEY

- COORDINATE SYSTEM IS UTM NAD 83 DATUM, ZONE 17, U.S. FOOT AND WELL COORDINATES ESTABLISHED USING SURVEY GRADE GPS.
- 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.
- 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 NATURALLY PRODUCING TROUT STREAM WITHIN 300 FEET OF THE LIMITS OF DISTURBANCE.
- NO WATER WELLS OR DEVELOPED SPRINGS WITHIN 250 FEET OF PROPOSED WELL.

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. 2503

2000 0 2000

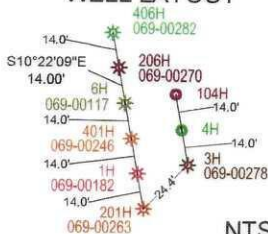
GRAPHIC SCALE IN FEET



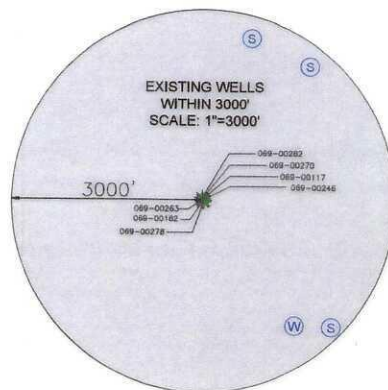
(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
WVDEP
OFFICE OF OIL & GAS
601 57TH STREET
CHARLESTON, WV 25034



WELL LAYOUT



NTS



COMPANY:

expand

OPERATOR'S WELL #: RAYLE COAL UP OHI 4H

API WELL #: 47 069 00385
STATE COUNTY PERMIT

WELL TYPE: OIL ☐ WASTE DISPOSAL ☐ PRODUCTION ☒ DEEP ☒ GAS ☒ LIQUID INJECTION ☐ STORAGE ☐ SHALLOW ☐	ELEVATION: 1064.1'
WATERSHED: UPPER OHIO SOUTH	QUADRANGLE: TILTONSVILLE, OH
DISTRICT: RICHLAND COUNTY: OHIO	ACREAGE: ±15.306
SURFACE OWNER: HERBERT DIANE	ACREAGE: ±15.306
OIL & GAS ROYALTY OWNER: HERBERT DIANE	
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: POINT PLEASANT	UNIT SIZE: 431.563 ACRES
ESTIMATED DEPTH: 10677' TVD 32747' TMD	

WELL OPERATOR: EXPAND OPERATING LLC
ADDRESS: 1300 FORT PIERPONT DRIVE, SUITE 201
CITY: MORGANTOWN STATE: WV ZIP CODE: 26508

DESIGNATED AGENT: BRITTANY WOODY
ADDRESS: 1300 FORT PIERPONT DRIVE, SUITE 201
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
- DRILLING UNIT
- PROPOSED PATH
- NATURAL WATERWAY
- PUBLIC ROAD
- DHP BUFFER

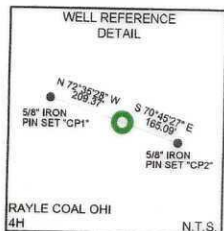
REVISIONS:

DATE: 05-15-2026
API NO: 47-069-XXXXX
DRAWN BY: PWZ
SCALE: 1" = 2000'
DRAWING NO: 2018-864
WELL LOCATION PLAT

JHA SURVEYING
ENGINEERING
ENVIRONMENTAL
ARCHITECTURE
68011 Vineyard Road
St. Clairsville, Ohio 43950
740-695-6100

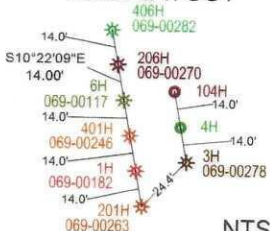
GRID NORTH
UTM, NAD83 DATUM, ZONE 17, US FT

LATITUDE: 40°10'00" SURFACE HOLE (2000' SCALE) 491'
10667'
LATITUDE: 40°15'00" BOTTOM HOLE (2000' SCALE)



LINE	BEARING	DISTANCE
L1	N41°14'33\"E	1051.35'
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WELL LAYOUT



SURFACE HOLE LOCATION (SHL):

UTM (NAD83, ZONE 17, METERS):
NORTHING: 4445744.48
EASTING: 531783.53

LANDING POINT LOCATION (LPL):

UTM (NAD83, ZONE 17, METERS):
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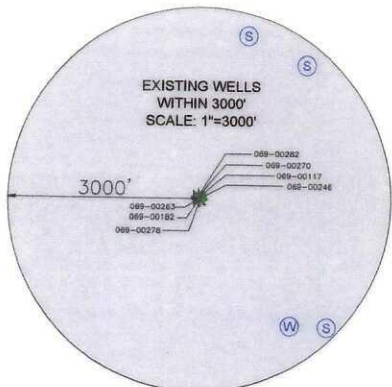
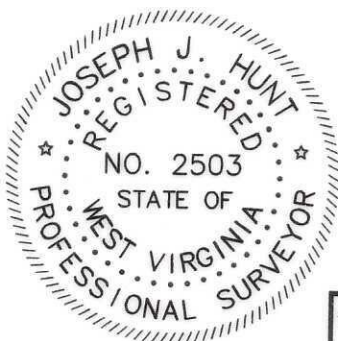
NOTES ON SURVEY

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P.S. 2503: *Joseph J. Hunt*
2000 0 2000

GRAPHIC SCALE IN FEET



COMPANY:

expand

OPERATOR'S WELL #: RAYLE COAL UP OHI 4H

API WELL #: 47 069 00385
STATE COUNTY PERMIT

WELL TYPE: OIL ☐ WASTE DISPOSAL ☐ PRODUCTION ☒ DEEP ☒ GAS ☒ LIQUID INJECTION ☐ STORAGE ☐ SHALLOW ☐	ELEVATION: 1064.1'
WATERSHED: UPPER OHIO SOUTH	QUADRANGLE: TILTONSVILLE, OH
DISTRICT: RICHLAND COUNTY: OHIO	ACREAGE: ±15.306
SURFACE OWNER: HERBERT DIANE	ACREAGE: ±15.306
OIL & GAS ROYALTY OWNER: HERBERT DIANE	
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: POINT PLEASANT	UNIT SIZE: 431.563 ACRES
ESTIMATED DEPTH: 10677' TVD 32747' TMD	

WELL OPERATOR: EXPAND OPERATING LLC
ADDRESS: 1300 FORT PIERPONT DRIVE, SUITE 201
CITY: MORGANTOWN STATE: WV ZIP CODE: 26508

DESIGNATED AGENT: BRITTANY WOODY
ADDRESS: 1300 FORT PIERPONT DRIVE, SUITE 201
CITY: MORGANTOWN STATE: WV ZIP CODE: 26508

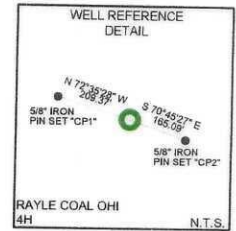
LEGEND:
● PROPOSED SURFACE HOLE / BOTTOM HOLE
● EXISTING / PRODUCING WELLHEAD
● LPL LANDING POINT LOCATION
● EXISTING WATER WELL
● EXISTING SPRING
— DRILLING UNIT
— PROPOSED PATH
— NATURAL WATERWAY
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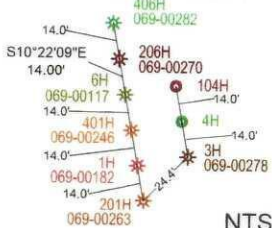
GRID NORTH
UTM, NAD83 DATUM, ZONE 17, US FT

LATITUDE: 40°10'00" SURFACE HOLE (2000' SCALE) 491'-10667'
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WELL LAYOUT



NTS

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NOTES ON SURVEY

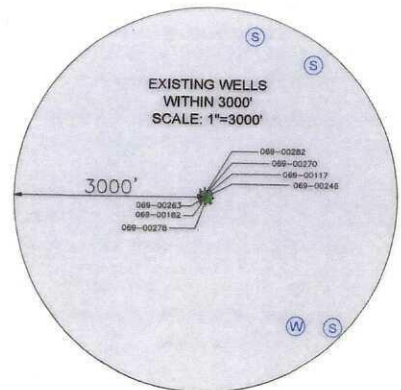
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P.S. 2503

2000 0 2000

GRAPHIC SCALE IN FEET



COMPANY:

expand



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

OPERATOR'S WELL #: RAYLE COAL UP OH 4H

API WELL #: 47 069 00385
STATE COUNTY PERMIT

WELL TYPE: OIL ☐ WASTE DISPOSAL ☐ PRODUCTION ☒ DEEP ☒ GAS ☒ LIQUID INJECTION ☐ STORAGE ☐ SHALLOW ☐
WATERSHED: UPPER OHIO SOUTH
DISTRICT: RICHLAND COUNTY: OHIO
SURFACE OWNER: HERBERT DIANE
OIL & GAS ROYALTY OWNER: HERBERT DIANE
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: POINT PLEASANT UNIT SIZE: 431.563 ACRES ESTIMATED DEPTH: 10677' TVD 32747' TMD

WELL OPERATOR: EXPAND OPERATING LLC
ADDRESS: 1300 FORT PIERPONT DRIVE, SUITE 201
CITY: MORGANTOWN STATE: WV ZIP CODE: 26508

DESIGNATED AGENT: BRITTANY WOODY
ADDRESS: 1300 FORT PIERPONT DRIVE, SUITE 201
CITY: MORGANTOWN STATE: WV ZIP CODE: 26508

LEGEND:
PROPOSED SURFACE HOLE / BOTTOM HOLE
EXISTING / PRODUCING WELLHEAD
LANDING POINT LOCATION
EXISTING WATER WELL
EXISTING SPRING
DRILLING UNIT
PROPOSED PATH
NATURAL WATERWAY
PUBLIC ROAD
DHP BUFFER

REVISIONS:
DATE: 05-15-2026
API NO: 47-069-XXXXX
DRAWN BY: PWZ
SCALE: 1" = 2000'
DRAWING NO: 2018-864
WELL LOCATION PLAT

WELL BORE TABLE FOR SURFACE/ROYALTY OWNERS		
TRACT	SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL
1	HEBERT DIANE	4-R6-17.10
TRACT	SURFACE OWNER	TAX PARCEL
2	BRYAN STELLA M & KATHLEEN J	4-R6-17.1
3	GOFF WINDELL H II & GLADYS	4-R6-27.1
4	PAHOUNDIS MARIKA & GEORGE	4-R6-17.9
5	JOWETT ESTER & TONY	4-R6-17.8
6	BRUNER LAND COMPANY INC	4-R6-17.7
7	DELANCEY KIKI	4-R6-17.6
8	RAYLE COAL CO	4-R6-17.4
9	RAYLE COAL CO	4-R6-17.3
10	HERCULES GARY & MARTHA	4-R6-4.1
11	SEAMON MARC	4-R6-2
12	BONAR BRUCE D & WILLIAM D	3-B46-20
13	STEWART DOUGLAS L	3-B46-21
14	GILBERT TRACY	3-B46-22.1
15	BRITT DANNY GENE & VIRGINIA MARGARET	3-B46-27
16	BOARD OF COMM OHIO CO & WHG OHIO COUNTY AIRPORT AUTH	4-R5-10
17	GREATHOUSE BARRY L & PATRICIA A	3-B41-82
18	GREATHOUSE BARRY L & PATRICIA A	3-B41-83
19	HAYMAN FREDERICK C JR & STACEY A	3-B41-83.1
20	GREATHOUSE BARRY L & PATRICIA A	3-B41-32
21	MILLER ROBERT J JR & LINDA	3-B41-47
22	NICOLOAN RAY PAUL	3-B41-42
23	PEREZ DONNA MARIE	3-B41-37
24	WINDSOR POWER HOUSE COAL CO	3-B41-5
25	WINDSOR POWER HOUSE COAL CO	3-B41-7
26	WEST PENN POWER CO	1-BB41-14
27	WEST PENN POWER CO	1-BB41-6
28	WEST PENN POWER CO	1-BB36-28
29	WEST PENN POWER CO	1-BB36-27
30	ALLEGHENY ENERGY SUPPLY	1-BB36-30
31	THE BROOKE COUNTY COMMISSION	1-BB41-8
32	BUSINESS DEV CORP OF THE NORTHERN PANHANDLE	1-BB36-2

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
A	WOOD RICHARD A JR	4-R6-24.6
B	VOLZ CHARLES R	4-R6-22
C	ENNIS LOUIS J JR & GRETCHEN L	4-R6-19.2
D	MOX DOUGLAS & LISA W	4-R6-19
E	SEAMON MARC	4-R6-37
F	RAYLE COAL CO	4-R6-17
G	BOARD OF COMM OHIO CO	4-R5-55
H	EVICK ANDREW JOHN	4-R5-49
I	WINDSOR COAL COMPANY	4-R5-50
J	MJ MHP ESTATES LLC	4-R5-13
K	S E W TRUST; WOLOSHAN SHANE E, TRUSTEE	4-R5-9
L	R N MCCONELL FAMILY TRUST	4-R2-20
M	ZEIDLER HENRY W; ZEIDLER JUDITH K; BURGGRAF MARGARET L	3-B46-15
N	GREATHOUSE BARRY L	3-B46-18
O	FRANCIS KEITH R	3-B41-31
P	MOORE ROSEMARY KINDER	3-B41-35
Q	WOLEN MICHAEL A & LINDA S	3-B41-36
R	MOORE LAWRENCE R & ROSEMARY K	3-B41-34
S	MOORE LAWRENCE R & ROSEMARY K	3-B41-33
T	MOORE ROSEMARY KINDER	3-B41-30
U	MOORE LAWRENCE R & ROSEMARY	3-B41-21.1
V	WINDSOR POWER HOUSE COAL CO	3-B41-21
W	WINDSOR POWER HOUSE COAL CO	1-BB41-5
X	WINDSOR POWER HOUSE COAL CO	1-BB41-3
Y	WEST PENN POWER CO	1-BB41-17
Z	WEST PENN POWER CO	1-BB41-16

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
AA	WEST PENN POWER COMPANY	1-BB41-7
AB	WEST PENN POWER COMPANY	1-BB41-10
AC	OHIO POWER COMPANY	1-BB41-1
AD	OHIO FRANKLIN REAL ESTATE COMPANY	1-BB41-4
AE	OHIO FRANKLIN REAL ESTATE COMPANY	1-BB41-2
AF	BUSINESS DEV CORP OF THE NORTHERN PANHANDLE	1-BB36-23
AG	BUSINESS DEV CORP OF THE NORTHERN PANHANDLE	1-BB36-24
AH	BUSINESS DEV CORP OF THE NORTHERN PANHANDLE	1-BB36-1
AI	PLANTS RALPH	1-BB36-3
AJ	WINDSOR POWER HOUSE COAL CO	1-BB36-25
AK	WINDSOR POWER HOUSE COAL CO	1-BB36-26
AL	WINDSOR POWER HOUSE COAL CO	3-B36-91
AM	WINDSOR POWER HOUSE COAL CO	3-B41-39
AN	HALL DONALD P & MARY M (JTWS)	3-B41-38
AO	HANCHER JAMES	3-B41-44
AP	SCHUETZ JOY ANN	3-B41-43
AQ	SCHUETZ JOY ANN & EBBIE J	3-B41-45
AR	SCHUETZ JOY ANN & EBBIE J	3-B41-46
AS	YOUNG FRED W JR	3-B41-54.1
AT	YOUNG FRED W JR	3-B41-54.3
AU	FREELAND ERIC C	3-B41-54
AV	STEPHENS KARL DOUGLAS	3-B41-54.2
AW	MILLER WILLIAM & DAWNA	3-B41-61
AX	PROVENZANO TRINA ANN & ROBIN M SCRIPP	3-B41-80
AY	WOOD MARY R	3-B41-84
AZ	GEBHARDT JAMES B & MELISSA D	3-B46-29
BA	GEBHARDT JAMES B & MELISSA D & AXEL (JTWS)	3-B46-29.2
BB	BAXTER RACHEL R	3-B46-28
BC	FRIEND REBECCA, RUSSELL	3-B46-30
BD	FRIEND LEVI CHARLES	3-B46-26
BE	WILLIAMS ROBERT	3-B46-25
BF	GILBERT TRACY	3-B46-22
BG	BLAKE BUSTER T & BARBARA A	3-B46-23
BH	MY THREE SONS HOLDINGS LP	3-B46-24
BI	HERCULES GARY & MARTHA	4-R6-4
BJ	HERCULES GARY & MARTHA	4-R6-4.2
BK	HERCULES GARY & MARTHA	4-R6-6.1
BL	HERCULES GARY & MARTHA	4-R6-5
BM	HERCULES MARTHA	4-R6-7
BN	HERCULES GARY WAYNE	4-R6-16
BO	WINDSOR COAL COMPANY	4-R6-12
BP	SHOOK WAYNE E	4-R6-15
BQ	DAVIS CHARLES B III & ELIZABETH MARIE	4-R6-14.4
BR	CRABTREE RANDALL L & KOVALSKI CYNTHIA S	4-R6-27.3
BS	CARENBAUER NICOLE L	4-R6-28.6
BT	GOFF WINDELL H II & GLADYS	4-R6-24.3
BU	WINDSOR COAL COMPANY	4-R6-25
BV	HAYMAN FREDERICK CLAY JR & STACY ANN (JTWS)	3-B46-41
BW	GREATHOUSE BARRY L	3-B46-19
BX	WEST PENN POWER CO	1-BB41-9

06/26/2026

REVISIONS:	COMPANY: 				
	OPERATOR'S		RAYLE COAL UP OHI		DATE: 05-15-2026
	WELL #:		4H		API NO: 47-069-XXXXX
	DISTRICT:	COUNTY:	STATE:		DRAWN BY:PWZ
	RICHLAND	OHIO	WV		SCALE: N/A
					DRAWING NO:2018-864
					WELL LOCATION PLAT