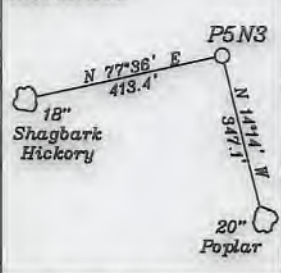


References:



V- Heartwood Forestland Fund IV Limited Partnership  
T.M. 15/3 16.75 Ac. **APC06110**

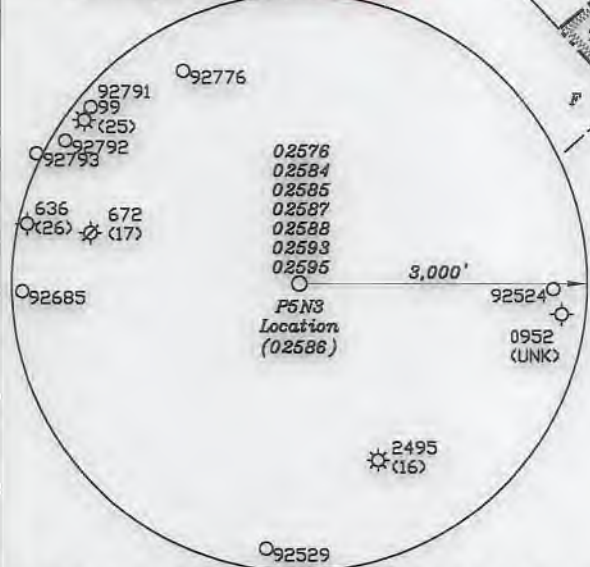
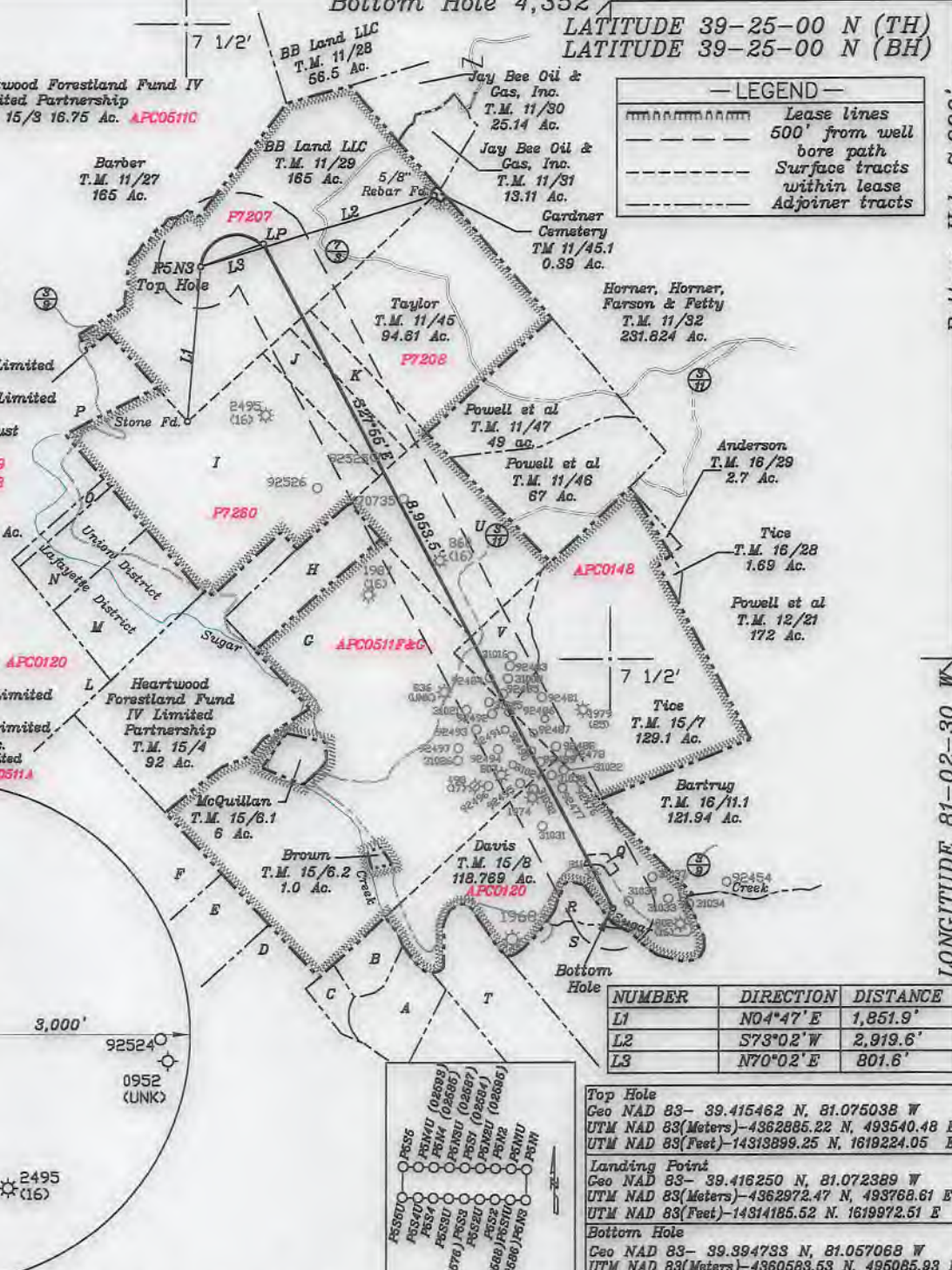
Bottom Hole 4,352'

LATITUDE 39-25-00 N (TH)  
LATITUDE 39-25-00 N (BH)

— LEGEND —

-----	Lease lines
-----	500' from well bore path
-----	Surface tracts within lease
-----	Adjoiner tracts

- A- Napier T.M. 4/28.18 20.524 Ac.
- B- Napier T.M. 4/28.17 17.164 Ac.
- C- Winland T.M. 4/28.18 8.076 Ac.
- D- Hooper T.M. 4/25 23.066 Ac.
- E- Cuman T.M. 4/24 51.0 Ac.
- F- Fleming T.M. 4/15 87.5 Ac.
- G- Heartwood Forestland Fund IV Limited Partnership T.M. 15/3 266 Ac.
- H- Heartwood Forestland Fund IV Limited Partnership T.M. 15/5 50 Ac.
- I- Melanie Jo Manuse Revocable Trust T.M. 11/41 123.27 Ac.
- J- Taylor T.M. 11/44 25.8 Ac. **P7259**
- K- Taylor T.M. 11/43 18.6 Ac. **P7258**
- L- Hall T.M. 4/7 39.5 Ac.
- M- Heartwood Forestland Fund IV Limited Partnership T.M. 15/2 27 Ac.
- N- Golden Eagles Resources LLC & Hummer Properties LLC T.M. 15/12 28.944 Ac.
- O- Hall T.M. 11/49 6.36 Ac.
- P- Golden Eagles Resources LLC & Hummer Properties LLC T.M. 11/40 62.083 Ac.
- Q- Fourqurean T.M. 15/8.1 1.231 Ac. **APC0120**
- R- Hansen T.M. 4/29 3.5 Ac.
- S- Heartwood Forestland Fund IV Limited Partnership T.M. 4/51 114 Ac.
- T- Heartwood Forestland Fund IV Limited Partnership T.M. 15/11 50.00 Ac.
- U- Heartwood Forestland Fund IV Limited Partnership T.M. 15/1 52.5 Ac. **APC0511A**



NUMBER	DIRECTION	DISTANCE
L1	N04°47' E	1,851.9'
L2	S73°02' W	2,919.6'
L3	N70°02' E	801.6'

<b>Top Hole</b>	Geo NAD 83- 39.415462 N, 81.075038 W
	UTM NAD 83(Meters)-4362885.22 N, 493540.48 E
	UTM NAD 83(Feet)-14313899.25 N, 1619224.05 E
<b>Landing Point</b>	Geo NAD 83- 39.416250 N, 81.072389 W
	UTM NAD 83(Meters)-4362972.47 N, 493768.61 E
	UTM NAD 83(Feet)-14314185.52 N, 1619972.51 E
<b>Bottom Hole</b>	Geo NAD 83- 39.394733 N, 81.057068 W
	UTM NAD 83(Meters)-4360583.53 N, 495085.93 E
	UTM NAD 83(Feet)-14306347.80 N, 1624294.43 E

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NO. \_\_\_\_\_  
 DRAWING NO. 1  
 SCALE 1" = 2000'  
 MINIMUM DEGREE OF ACCURACY 1 in 200  
 PROVEN SOURCE OF ELEVATION GPS  
submeter unit

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 RULES ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.

(SIGNED) David L. Jackson  
 R.P.E. \_\_\_\_\_ P.S. 708



STATE OF WEST VIRGINIA  
 Division of Environmental Protection  
 OFFICE OF OIL AND GAS

DATE June 29, 2018  
 Revised July 01, 2019  
 OPERATOR'S WELL NO. P5N3  
 API WELL NO. 47-073-02586 H6A  
 WELL TYPE: OIL X GAS X LIQUID INJECTION X WASTE DISPOSAL \_\_\_\_\_  
 (IF "GAS") PRODUCTION X STORAGE \_\_\_\_\_ DEEP \_\_\_\_\_ SHALLOW X  
 LOCATION: ELEVATION 868.1' WATER SHED Sugar Creek of Outlet Middle Island Creek (HUC-10)  
 DISTRICT Union COUNTY Pleasants  
 QUADRANGLE Bens Run 7 1/2'

SURFACE OWNER BB Land, LLC. ACREAGE 165.0 Ac.  
 OIL & GAS ROYALTY OWNER Roger Wells, Howard Wells, J.R. Wells, LEASE ACREAGE 165.0 Ac.  
Clint Jones, Beverly Walker, Sara Wells & Thomas Dunsford, Yvonne Shelley LEASE NO. P7207

PROPOSED WORK: DRILL X CONVERT \_\_\_\_\_ DRILL DEEPER \_\_\_\_\_ REDRILL \_\_\_\_\_ FRACTURE OR  
 STIMULATE X PLUG OFF OLD FORMATION \_\_\_\_\_ PERFORATE NEW  
 FORMATION \_\_\_\_\_ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_

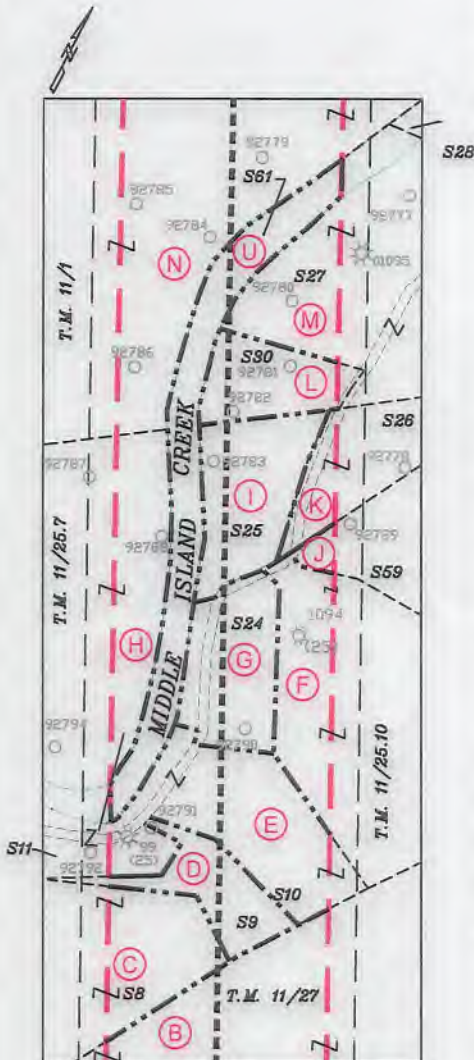
PLUG AND ABANDON \_\_\_\_\_ CLEAN OUT AND REPLUG \_\_\_\_\_  
 TARGET FORMATION Marcellus ESTIMATED DEPTH TVD = 5,900'; TMD = 16,155'  
 WELL OPERATOR Jay-Bee Oil & Gas, Inc. DESIGNATED AGENT Randy Broda  
 ADDRESS 60 Walnut Avenue, Suite 190, Clark NJ 07066 ADDRESS 3570 Shields Hill Rd., Cairo, WV 26337



JACKSON SURVEYING  
INC.

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

**P5N3U  
LEASE AREA  
223.843± AC.**



Detail A  
N.T.S.



P.S.  
706

*David L. Jackson*

TRACT	SURFACE OWNER	TM PARCEL Union Dist.	ACRES
S1	MATTHEW A. & DAWNA M. TAYLOR	11 / 43	18.6
S2	MATTHEW A. & DAWNA M. TAYLOR	11 / 44	25.8
S3	MELANIE JO MANUSE REVOCABLE TRUST	11 / 41	123.27
S4	GOLDEN EAGLES RESOURCES LLC & HUMMER PROPERTIES LLC	11 / 40	62.063
S5	MAX E. & LINDA L. HALL & CLINTON HALL JR.	11 / 34	38.33
S6	GOLDEN EAGLE RESOURCES LLC	11 / 35	30.893
S7	EDWARD W. JEFFREY L. WILLIAMSON	11 / 33	14.25
S8	KENNETH G. & DORIS A. HOLMES	11 / 25.12	21.267
S9	JOSHUA S. & ABIGAIL K. HOLMES	11 / 25.14	2.268
S10	RONALD S. & VICKIE L. HOLMES	11 / 25.11	0.75
S11	MATTHEW S. & STEFANIE A. HOLMES	11 / 25.6	0.581
S12	JON. R. & SHARON Y. BAILEY	11 / 25.13	0.624
S13	DEANE SCHULTHEIS	11 / 25.5	0.75
S14	KENNETH G. & DORIS A. HOLMES	11 / 25.3	5.621
S15	BENNY D. & C. DARLENE WHARTON	11 / 25.4	2.25
		11 / 25.8	TOTAL
S16	THETA D. & NEAL RODNEY MYERS	11 / 24	0.21
S17	JAMES KEVIN STOUT, ET AL	11 / 23.1	0.524
S18	JAMES KEVIN STOUT, ET AL	11 / 23.2	0.084
S19	STEPHEN A. & LINDA K. POYNTER	11 / 23	0.93
S20	SUGAR VALLEY SCHOOL	11 / 25.1	0.57
S21	LINDA L. SHIMER	11 / 22	3.63
S22	DEPARTMENT OF NATURAL RESOURCES	11 / 22.1	1.37
S23	MICHAEL BLANIE BEAGLE	11 / 21	1.0
S24	EMMA JULIA FELL MIXER	11 / 25	5.033
S25	GARY BURIAN	11 / 2	6.1
S26	EMMA JULIA FELL MIXER	11 / 25.2	4.687
S27	KENNETH G. HOLMES, ET AL	11 / 3	18.45
S28	ROGER Q. & KIMBERLY A. HOLMES, ET AL	11 / 3.1	1.75
S29	ROGER Q. & KIMBERLY A. HOLMES, ET AL	11 / 4	1.0
S30	EDWARD B. & MELISSA K. HOLMES	11 / 3.2	3.447
S31	JOHN TICE	10 / 51.1	1.0
S32	JIMMY M. THAXTON II	11 / 51	5.564
S33	JOHN P. & BRENDA J. RIGGS	10 / 49	4.0
S34	JESSE M. & JUDITH K. BARNHART	10 / 24	25
S35	JESSE M. & JUDITH K. BARNHART	10 / 26	1.0
S36	LARRY O. & BRENDA L. BARNHART	10 / 25	10.0
S37	LARRY O. & BRENDA L. BARNHART, ET AL	10 / 7.1	1.0
S38	HEARTWOOD FORESTLAND FUND IV LIMITED PARTNERSHIP	6 / 56.1	12.5
S39	CARROLL L. ASH	5 / 36	15.0
S40	MICHEAL W. METZ	5 / 37	20.0
S41	NATHAN WADE BENNETT	6 / 109	5.011
S42	CEMETERY	-	-
S43	DAVID ROGER & PATTY SUE MCCARTNEY	6 / 30.1	6.0
S44	DAVID ROGER & PATTY SUE MCCARTNEY	6 / 31	0.75
S45	RICHARD L. LEWIS JR. & BERYLANN LEWIS	6 / 32	6.08
S46	TIMOTHY R. & PAMELA J. NICHOLS	5 / 38	11.21
S47	HEARTLAND FORESTLAND FUND IV LIMITED PARTNERSHIP	6 / 100	84
S48	JAY BEE OIL & GAS, INC.	11 / 31	13.11
S49	LARRY WILLIAM HORNER, ET AL	11 / 32	231.82
S50	GARDNER CEMETERY	11 / 45.1	0.39
S51	LOUIE A. STANLEY	6 / 37	60.0
S52	CHARLES R. & BETH ANN MANKINS	6 / 38	23.5
S53	CHARLES R. & BETH ANN MANKINS	6 / 39	25.5
S54	CHARLES R. & BETH ANN MANKINS	6 / 30	45.0
S55	MARK J. & MICHELLE LYNN WEAVER	5 / 56	117.412
S56	JOSEPH & CYNTHIA AYERS	5 / 61	35.981
S57	RICHARD C. & DIANE BEANE	10 / 7	20.0
S58	ROBERT WILLIAM BUTLER, ET AL	6 / 103	38.93
S59	ROGER Q. & KIMBERLY A. HOLMES	11 / 25.9	20.53
S60	ROGER Q. & KIMBERLY A. HOLMES	11 / 5	111.0
S61	WEST VIRGINIA DIVISION OF NATURAL RESOURCES	MIDDLE ISLAND CREEK	6.77

47-073-0 2587H6A

**Notes:**

1. All wells within 500' of the horizontal leg are shown on this plat based upon information taken from DEP mapping, well plats, & aerial photos.
2. Ties to wells and corners are based on State Plans Grid North-WV North Zone NAD 83.
3. No water wells were found within 250' of the well location. No dwellings or buildings were found within 625' from the center of the pad. No perennial stream is located within 100' of the LOD. No producing trout stream is located within 300' of the LOD.
4. All deep wells within 3000' of well bore path are shown on this plat.



Jay Bee  
Oil & Gas

DRILLING  
into the future

OPERATOR'S WELL #: P5N3U -02587	P5N3U Well Plat PAGE 2 OF 3 DATE: 11/28/2018
DISTRICT: UNION	
COUNTY: PLEASANTS	
STATE: WV	



JACKSON SURVEYING

INC.

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

P5N3U  
LEASE AREA  
223.843± AC.

Tracts	Tax Map/Parcel Union District	Lease #	Lessor, Grantor, etc
A	11/29	P7207	Jay Bee Royalty
B	11/27	P7206	Hazel Bunner
B	11/27	P7206	Antero Resources Corp
B	11/27	P7206	Jay Bee Royalty
C	11/25.12	P7267L	Virginia Ruth Fell Sole
C	11/25.12	P7267L	Emma Julia Fell Mixer
C	11/25.12	P7267L	Kenneth G. & Doris A. Holmes
D, E	11/25.11; 25.14	P7267K	Virginia Ruth Fell Sole
D, E	11/25.11; 25.14	P7267K	Emma Julia Fell Mixer
D, E	11/25.11; 25.14	P7267K	Ronald and Vickie Holmes
F	11/25.10	P7267J	Marvin and Sandra K. Lamm
F	11/25.10	P7267J	Emma Julia Fell Mixer
F	11/25.10	P7267J	Virginia Ruth Fell Sole
G	11/25	P7267A	Ronald and Vickie Holmes
G	11/25	P7267A	Virginia Ruth Fell Sole
G	11/25	P7267A	Emma Julia Fell Mixer
G	11/25	P7267A	Kenneth G. Holmes
G	11/25	P7267A	Roger and Kimberly. Holmes
G	11/25	P7267A	Ronald and Vickie Holmes
G	11/25	P7267A	Marvin and Sandra K. Lamm
H	11/25.7	P7267G	Virginia Ruth Fell Sole
H	11/25.7	P7267G	Roger and Kimberly. Holmes
H	11/25.7	P7267G	Ronald and Vickie Holmes
H	11/25.7	P7267G	Marvin and Sandra K. Lamm
H	11/25.7	P7267G	Emma Julia Fell Mixer
H	11/25.7	P7267G	Kenneth G. & Doris A. Holmes
I	11/2	P7267	Gary Burian
I	11/2	P7267	Virginia Ruth Fell Sole
I	11/2	P7267	Kenneth G. Holmes
I	11/2	P7267	Roger and Kimberly. Holmes
I	11/2	P7267	Ronald and Vickie Holmes
I	11/2	P7267	Marvin and Sandra K. Lamm
I	11/2	P7267	Emma Julia Fell Mixer
J	11/25.9	P7267I	Roger and Kimberly. Holmes
J	11/25.9	P7267I	Emma Julia Fell Mixer
J	11/25.9	P7267I	Virginia Ruth Fell Sole
K	11/25.2	P7267B	Marvin and Sandra K. Lamm
K	11/25.2	P7267B	Emma Julia Fell Mixer
K	11/25.2	P7267B	Roger and Kimberly. Holmes
K	11/25.2	P7267B	Kenneth G. Holmes
K	11/25.2	P7267B	Ronald and Vickie Holmes
L	11/3.2	P7267Q	Emma Julia Fell Mixer
L	11/3.2	P7267Q	Edward Holmes
L	11/3.2	P7267Q	Melissa Holmes
M	11/3	P7267O	Kenneth G. Holmes
M	11/3	P7267O	Roger and Kimberly. Holmes
M	11/3	P7267O	Ronald and Vickie Holmes
M	11/3	P7267O	Marvin and Sandra K. Lamm
M	11/3	P7267O	Emma Julia Fell Mixer
N	11/1	P7041	Linda Shimer
N	11/1	P7041	John Grim
O	6/66	P7039	Ridgetop Capital IV LP
O	6/66	P7039	BB Land LLC
P	6/103	P7059	Ridgetop Capital IV LP
P	6/103	P7059	BB Land LLC
Q	6/64	P7122	Erma K. Pethel
Q	6/64	P7122	John Grim
Q	6/64	P7122	Linda L. Shimer
Q	6/64	P7122	Blackrock Enterprises
R	6/37	P7121	Erma K. Pethel
R	6/37	P7121	John Grim
R	6/37	P7121	Linda L. Shimer
R	6/37	P7121	Blackrock Enterprises
S	10/18A	P7098	John Grim
S	10/18A	P7098	Erma Pethel
S	10/18A	P7098	Linda L. Shimer
S	10/18A	P7098	Blackrock Enterprises
T	6/30	P7070	Ridgetop Capital IV LP
T	6/30	P7070	BB Land LLC
U	Middle Island Creek	MIC 5	West Virginia Division of Natural Resources



P.S. 708

*David L. Jackson*

Notes: The information on this page was furnished by Jay Bee Oil & Gas.



Jay Bee  
Oil & Gas

DRILLING  
into the future

OPERATOR'S  
WELL #: P5N3U -02587  
DISTRICT: UNION  
COUNTY: PLEASANTS  
STATE: WV

P5N3U Well Plat  
PAGE 3 OF 3  
DATE: 11/28/2018