

HOFFMAN ASSOCIATES INC
 320 O'Bryan Lane • Van Buren, AR 72956
 Office: 479.474.7916 • Fax: 479.474.2450
 Surveying • handa-inc.com

NOTES ON SURVEY

- COORDINATES 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 FIELD LOCATIONS.
- THIS PLAT DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARCELS SHOWN HEREON.
- NO DWELLINGS AND BUILDINGS WITHIN 625 FEET OF PROPOSED CENTER OF PAD.
- NO WATER WELLS OR DEVELOPED SPRINGS WITHIN 250 FEET OF PROPOSED WELL.
- NO PERENNIAL STREAMS, LAKES, PONDS, RESERVOIRS OR WETLANDS WITHIN 1000 FEET OF THE LIMITS OF DISTURBANCE.
- NO NATURALLY PRODUCING TROUT STREAM WITHIN 300 FEET OF LIMITS OF DISTURBANCE.

TRACT	SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL	ACRES	LEASE NUMBER
2	DALE E ADAMS & MARY K ADAMS (S/R)	CC22-30	2.30	47-000493-000
3	JIMMIE D GEORGE & ROBIN J GEORGE (S/R)	CC22-31	4.00	1-329256-000
4	PAUL DONALD MORRIS (S)	CC22-34	2.00	
	FIRST PRESBYTERIAN CHURCH (R)	CC22-34	2.00	47-0000828-000
5	ROBERT E LOUDIN (S/R)	CC22-13	1.83	1-356252-000
6	JOSEPH B HAUGHT & LISA HAUGHT (S/R)	CC22-15	0.40	47-001040-000
7	JOSEPH B HAUGHT & LISA HAUGHT (S/R)	CC22-14	0.28	47-001040-000
8	DAVID W YAUSSEY (S/R)	CC22-5	0.32	47-000568-000
9	GERALD W DULANEY (S/R)	CC22-6	0.27	47-000915-000
10	GERALD W DULANEY (S/R)	CC22-7	0.21	47-000915-000
11	DUANE TAYLOR (S/R)	CC22-4	3.00	1-313770-000
12	CAROL REED (S/R)	CC22-1	11.25	1-313835-000
13	DONALD C. TAYLOR & CHRISTINA M. TAYLOR (S/R)	CC22-2	2.00	1-313819-001
	DUANE RAY TAYLOR SR. (S/R)	CC22-2	2.00	1-313819-002
14	LISA ANN GREEN (S/R)	CC22-3	0.96	47-000574-000
15	DONALD LEE BARTZ (S/R)	CC18-56	2.55	47-000643-000
16	THOMAS M BOYD, RICHARD A BOYD, & DAVID S BOYD TRUSTEES IN TRUST (S)	CC18-57	34.84	47-001427-000
	THE THOMAS J BOYD TRUST (R)			
17	THOMAS M BOYD, RICHARD A BOYD, & DAVID S BOYD TRUSTEES IN TRUST (S)	CC18-58	27.38	47-001459-000
	THE THOMAS J BOYD TRUST (R)			
18	CHARLES MELVIN ULRICH & AURETTA MINA ULRICH KEADLE (S/R)	CC18-59	1.00	1-329411-001
				1-382481-001
19	NURMI MYRTLE COX & OTHERS (S)	CC18-39	68.18	1-329412-001
	CHARLES MELVIN ULRICH (R)			47-000780-001
	ARETTA MINA ULRICH KEADLE (R)			47-000780-002
	JAMES M SIMPSON II (R)			47-000780-003
	FRISCELLA GAYE BUCHANAN (R)			47-000780-004
	M L BUCHANAN JR (R)			47-000780-005
	DAVID NURMI (R)			47-000780-006
	CHARLES M NURMI (R)			47-000780-007
	CHRISTINE ISABEL HARVEY (R)			47-000780-008
	HEATHER MAIRE RUSCHMAN (R)			47-000780-008

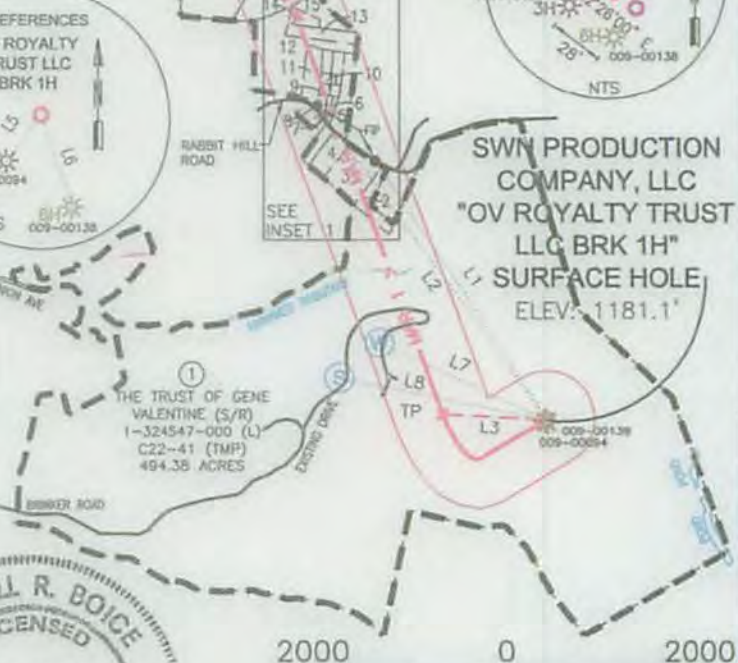
LINE	DESCRIPTION	DISTANCE	DESCRIPTION	MONUMENT
L1	N 33°34'38" W	3205.29'	SHL TO LANDMARK	FOUND IRON PIN
L2	N 36°13'04" W	4009.89'	SHL TO LANDMARK	FOUND IRON PIN
L3	N 87°05'48" W	1079.86'	SHL TO TPL	
L4	N 20°06'37" W	7738.82'	TPL TO BHL	
L5	S 37°34'12" W	19.81'	SHL TO REF. PNT.	OV ROYALTY TRUST LLC BRK 3H WELL HEAD 009-00094
L6	S 18°40'23" E	33.45'	SHL TO REF. PNT.	OV ROYALTY TRUST LLC BRK 3H WELL HEAD 009-00138
L7	N 85°38'34" W	1900.90'	SHL TO WATER WELL	
L8	N 78°41'20" W	2185.03'	SHL TO SPRING	

SURFACE HOLE LOCATION (SHL):
 GEOGRAPHIC (NAD83):
 LATITUDE: 40.285773°
 LONGITUDE: -80.584360°
 UTM (NAD83, ZONE 17, FEET):
 NORTHING: 14,631,069.401
 EASTING: 1,756,330.524
 UTM (NAD83, ZONE 17, METERS):
 NORTHING: 4,459,558.872
 EASTING: 535,330.614
"TURNING POINT" LOCATION (TPL):
 GEOGRAPHIC (NAD83):
 LATITUDE: 40.285937°
 LONGITUDE: -80.588226°
 UTM (NAD83, ZONE 17, FEET):
 NORTHING: 14,631,124.093
 EASTING: 1,755,252.092
 UTM (NAD83, ZONE 17, METERS):
 NORTHING: 4,459,575.543
 EASTING: 535,001.908
BOTTOM HOLE LOCATION (BHL):
 GEOGRAPHIC (NAD83):
 LATITUDE: 40.305925°
 LONGITUDE: -80.597648°
 UTM (NAD83, ZONE 17, FEET):
 NORTHING: 14,638,390.815
 EASTING: 1,752,591.366
 UTM (NAD83, ZONE 17, METERS):
 NORTHING: 4,461,790.444
 EASTING: 534,190.917

WWW-SH LEGEND
 (S) SURFACE OWNER
 (R) ROYALTY OWNER
 (TMP) TAX MAP PARCEL NUMBER
 (L) LEASE NUMBER

REFERENCES
 OV ROYALTY TRUST LLC BRK 1H
 3H
 009-00094
 009-00138
 NTS

EXISTING WELLS WITHIN 3,000'
 009-90251 009-90220
 009-90252 009-70350
 009-90253 009-70353
 009-90254 009-70353
 009-90255 009-70353
 009-00094 009-00138
 009-90263
 NTS



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. 667 *Darrell Boice*



(+) 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: **SWN** Production Company, LLC

OV ROYALTY TRUST LLC BRK
 OPERATOR'S WELL #: 1H
 API WELL #: 47 09 00162
 STATE COUNTY PERMIT

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

WATERSHED: BUFFALO CREEK
 DISTRICT: CROSS CREEK COUNTY: BROOKE
 SURFACE OWNER: THE TRUST OF GENE VALENTINE
 OIL & GAS ROYALTY OWNER: THE TRUST OF GENE VALENTINE
 DRILL DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION

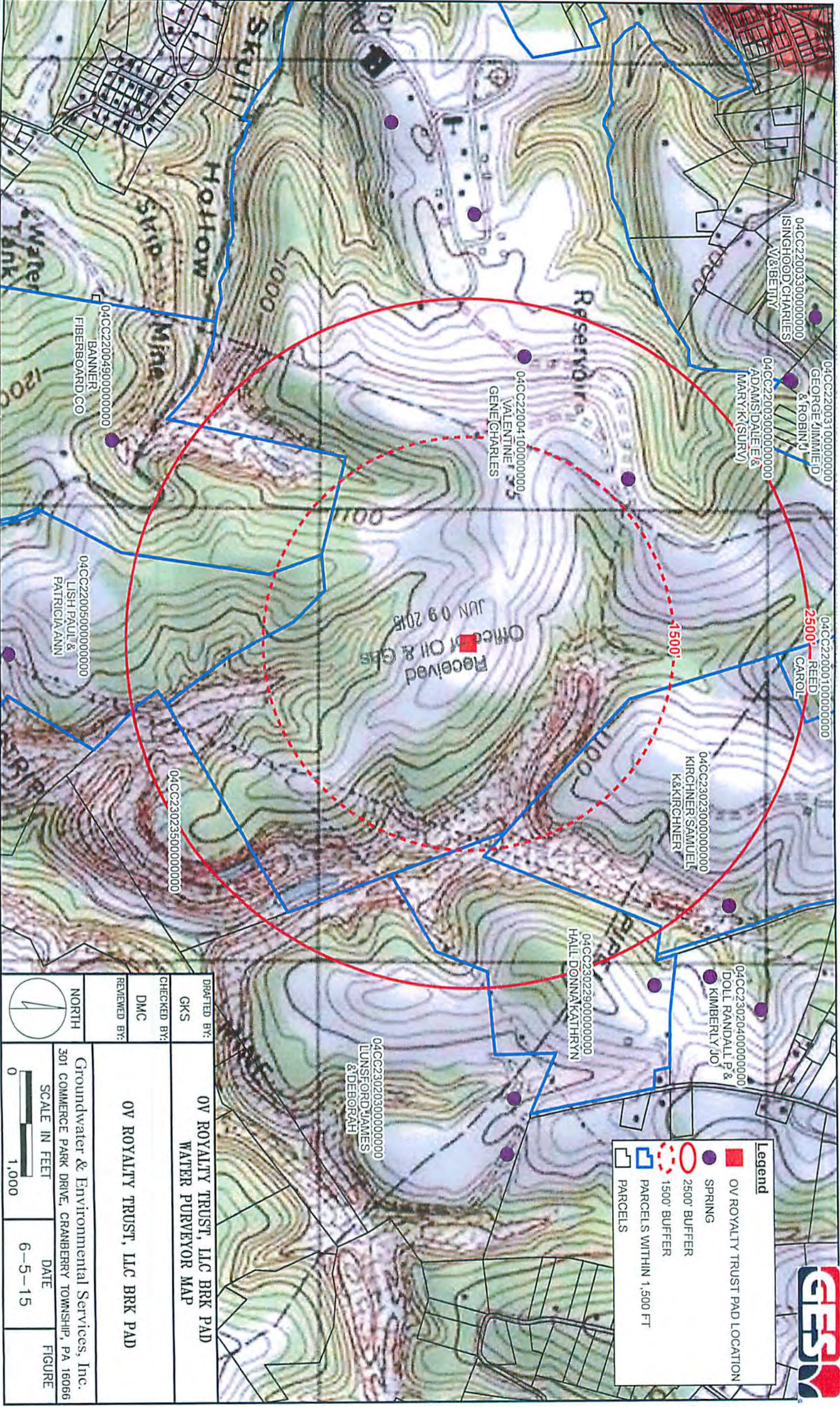
CONVERT PLUG & ABANDON CLEAN OUT & REPLUG OTHER CHANGE (SPECIFY)
 TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: 5,770' TO 14,511' TMD

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:
 ○ PROPOSED SURFACE HOLE / BOTTOM HOLE
 ✖ EXISTING / PRODUCING WELLHEAD
 ✖ ABANDONED WELL
 ✖ PLUGGED & ABANDONED WELL
 △ CUT CONDUCTOR

REVISIONS:
 --- LEASE BOUNDARY
 --- 500' DHP BUFFER
 -MAR 1 >- MARCELLUS DHP
 --- ABANDONED PATH

DATE: 05-06-2015
 DRAWN BY: S. HUTSON
 SCALE: 1" = 2000'
 DRAWING NO: 58529
 WELL LOCATION PLAT



Legend

- OV ROYALTY TRUST PAD LOCATION
- SPRING
- 2500' BUFFER
- 1500' BUFFER
- PARCELS WITHIN 1,500 FT
- PARCELS

Received
 Office of Oil & Gas
 JUN 09 2015

DRAFTED BY: GKS CHECKED BY: DMC REVIEWED BY:	OV ROYALTY TRUST, LLC BRK PAD WATER PURVEYOR MAP OV ROYALTY TRUST, LLC BRK PAD
NORTH 	Groundwater & Environmental Services, Inc. 301 COMMERCE PARK DRIVE, CRANBERRY TOWNSHIP, PA 16066
	DATE: 6-5-15 FIGURE: