



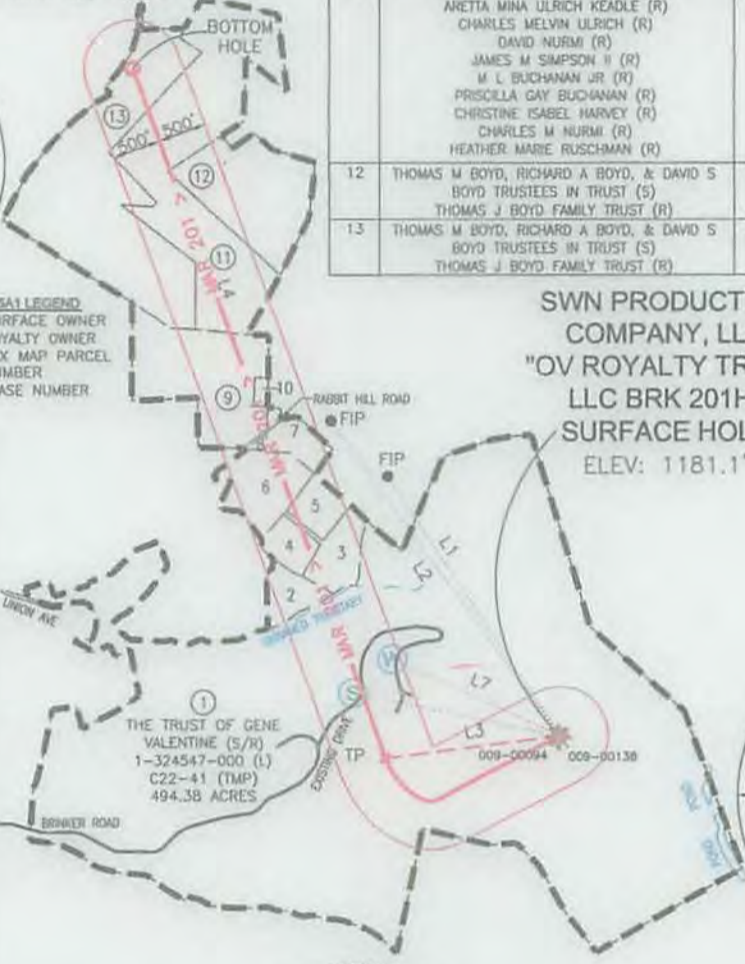
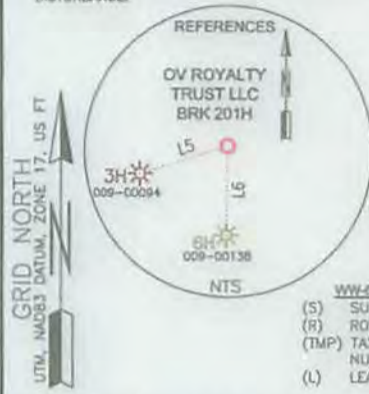
320 O'Bryan Lane • Van Buren, AR 72956
Office: 479.474.7916 • Fax: 479.474.2450
Surveying • handa-inc.com

LINE	DESCRIPTION	DISTANCE	DESCRIPTION	MONUMENT
L1	N 33°39'28" W	3218.72'	SHL TO LANDMARK	FOUND IRON PIN
L2	N 36°16'24" W	4023.51'	SHL TO LANDMARK	FOUND IRON PIN
L3	S 82°48'23" W	1823.91'	SHL TO TPL	
L4	N 20°19'03" W	2568.99'	TPL TO BHL	
L5	S 73°12'42" W	24.31'	SHL TO REF. PNT.	OV ROYALTY TRUST LLC BRK 3H WELL HEAD 009-00094
L6	S 01°12'43" W	23.01'	SHL TO REF. PNT.	OV ROYALTY TRUST LLC BRK 6H WELL HEAD 009-00138
L7	N 65°32'39" W	1914.68'	SHL TO WATER WELL	
L8	N 78°31'28" W	2196.74'	SHL TO SPRING	

NOTES ON SURVEY

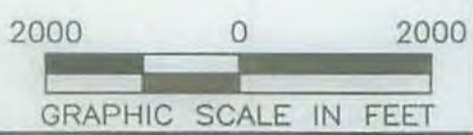
- COORDINATES SYSTEM IS UTM, NAD 83 DATUM, ZONE 17, U.S. FOOT AND WELL COORDINATES ESTABLISHED USING SURVEY GRADE GPS.
- SURFACE AND ROYALTY OWNER INFORMATION AND THEIR BOUNDARIES SHOWN HEREON WERE PLOTTED FROM DEEDS AND/OR TAX PARCEL MAPS PROVIDED BY CLIENT AND FIELD LOCATIONS.
- THIS PLAT DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARCELS SHOWN HEREON.
- NO DWELLINGS AND BUILDINGS WITHIN 625 FEET OF PROPOSED OF 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	CHARLES R BOGGS (S/R)	4-C226-57	6.72	47-000692-000
3	CHARLES V ISINGHOOD & BETTY ISINGHOOD (S/R)	4-CC22-32	13.00	47-000551-000
4	JOHN ISINGHOOD (S/R)	4-C226-83	5.00	47-000446-000
5	CHARLES V ISINGHOOD & BETTY ISINGHOOD (S/R)	4-CC22-33	5.74	47-000551-000
6	BETTY HANLON (S/R)	4-C22C-128	4.32	47-000313-000
7	CAROLYN FREEMAN (S/R)	4-CC22-40	5.83	47-000895-000
8	JOHN ISINGHOOD (S/R)	4-C22C-160	1.50	47-000446-000
9	LISA M DELANY & SHAWN A DELANY (S) DANIEL R VIRTUE & DIANE L VIRTUE (S) EARL PRICE (R) LINDA ROSSER (R)	4-C22C-163	0.30	1-120107-002 1-120107-001
10	LISA M DELANY & SHAWN A DELANEY (S) LINDA ROSSER (R)	4-C22C-163.01	2.72	1-120107-001
11	MYRTLE COX NURMI & OTHERS (S) ANETTA MINA ULRICH KEADLE (R) CHARLES MELVIN ULRICH (R) DAVID NURMI (R) JAMES M SIMPSON II (R) M L BUCHANAN JR (R) PRISCILLA GAY BUCHANAN (R) CHRISTINE ISABEL HARVEY (R) CHARLES M NURMI (R) HEATHER MARIE RUSCHMAN (R)	4-CC18-39	68.18	47-000780-001 1-329412-001 47-000780-005 47-000780-002 47-000780-004 47-000780-003 47-000780-007 47-000780-006 47-000780-008
12	THOMAS M BOYD, RICHARD A BOYD, & DAVID S BOYD TRUSTEES IN TRUST (S) THOMAS J BOYD FAMILY TRUST (R)	4-CC18-58	27.38	47-001459-000
13	THOMAS M BOYD, RICHARD A BOYD, & DAVID S BOYD TRUSTEES IN TRUST (S) THOMAS J BOYD FAMILY TRUST (R)	4-CC18-62	59.82	47-001459-000



SURFACE HOLE LOCATION (SHL):
GEOGRAPHIC (NAD83): LATITUDE: 40.285749° LONGITUDE: -80.584320°
UTM (NAD83, ZONE 17, FEET): NORTHING: 14,631,060.720 EASTING: 1,756,341.720
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,459,556.227 EASTING: 535,334.027
"TURNING POINT" LOCATION (TPL):
GEOGRAPHIC (NAD83): LATITUDE: 40.285145° LONGITUDE: -80.590812°
UTM (NAD83, ZONE 17, FEET): NORTHING: 14,630,832.337 EASTING: 1,754,532.238
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,459,486.615 EASTING: 534,782.496
BOTTOM HOLE LOCATION (BHL):
GEOGRAPHIC (NAD83): LATITUDE: 40.304668° LONGITUDE: -80.600120°
UTM (NAD83, ZONE 17, FEET): NORTHING: 14,637,930.133 EASTING: 1,751,904.208
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,461,650.028 EASTING: 533,981.471

SURVEYED BY TRIPLE H ENTERPRISES, WEST UNION, WV.



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 *Karnell Boice*

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)

OV ROYALTY TRUST LLC BRK
OPERATOR'S WELL #: 201H
API WELL #: 47 09 0063
STATE COUNTY PERMIT

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

WATERSHED: BUFFALO CREEK ELEVATION: 1181.1'

DISTRICT: CROSS CREEK COUNTY: BROOKE QUADRANGLE: STUEBENVILLE EAST WV.

SURFACE OWNER: THE TRUST OF GENE VALENTINE ACREAGE: ±494.38

OIL & GAS ROYALTY OWNER: THE TRUST OF GENE VALENTINE ACREAGE: ±494.38

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: 5,768' TVD 14,595' 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:	REVISIONS:	DATE: 05-06-2015
○ PROPOSED SURFACE HOLE / BOTTOM HOLE		
⊙ EXISTING / PRODUCING WELLHEAD	--- LEASE BOUNDARY	
⊗ ABANDONED WELL	--- 500' DHP BUFFER	
⊕ PLUGGED & ABANDONED WELL	- MAR 1 - MARCELLUS DHP	
△ CUT CONDUCTOR	--- ABANDONED PATH	
		DRAWN BY: S. HUTTON
		SCALE: 1" = 2000'
		DRAWING NO: 58531
		WELL LOCATION PLAT



Legend

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

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



Received
Oil & Gas
9 2015