

SHL ← 9,118' BHL ← 2,604'

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

Latitude: 39°47'30" N

NOTES ON SURVEY

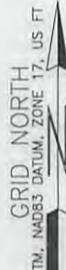
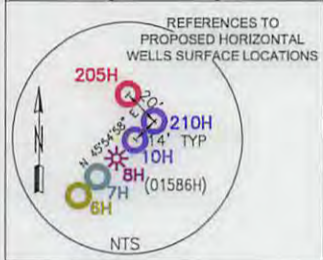
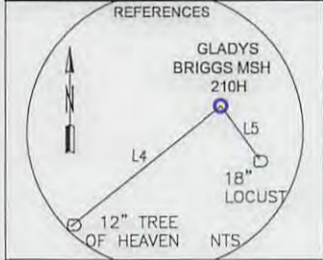
- COORDINATES SYSTEM IS UTM, NAD 83 DATUM, ZONE 17, U.S. FOOT AND WELL COORDINATES ESTABLISHED USING SURVEY GRADE GPS.
- SURFACE AND ROYALTY OWNER INFORMATION AND THEIR BOUNDARIES SHOWN HEREON WERE PLOTTED FROM DEEDS AND/OR TAX PARCEL MAPS PROVIDED BY CLIENT AND FIELD LOCATIONS.
- THIS PLAT DOES NOT 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 100 FEET OF THE LIMITS OF DISTURBANCE.
- NO NATURALLY PRODUCING TROUT STREAM WITHIN 300 FEET OF LIMITS OF DISTURBANCE.
- ALL WELLS WITHIN 500' OF THE HORIZONTAL LEG ARE SHOWN ON THIS PLAT BASED UPON INFORMATION TAKEN FROM DEP MAPPING AND AERIAL PHOTOS

TRACT	SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL	ACRES
1	JAMES RODNEY BRIGGS, ROGER JACOB BRIGGS & JOHN DEAN BRIGGS (S)	7-16-02	121.43
2	JAMES RODNEY BRIGGS, ROGER JACOB BRIGGS & JOHN DEAN BRIGGS (S)	7-16-3	10.00
3	JOHN DEAN BRIGGS & PATTY KAY BRIGGS (S)	7-16-4	81.25
4	THELMA YEATER (LIFE) REMAINDERMEN: JOHN LEE YEATER, SUSAN JANE YEATER & JOSEPH EDWARD YEATER (S)	7-16-29	40.41
5	RICHARD M. YEATER & DEBRA S. YEATER (S)	7-16-29.1	18.39
6	GEORGE R. CUMPSTON & NANCY K. CUMPSTON (S)	7-16-24	115.72
7	GEORGE R. CUMPSTON (S)	7-16-27	20.00
8	JOHN M. BUTLER (S)	7-16-26.1	19.56
9	DAVID T. BUTLER (LIFE) REMAINDERMEN: JOHN BUTLER & BENJAMIN BUTLER (S)	7-16-26	26.34
10	JOHN MATTHEW BUTLER (S)	7-16-39	43.58
11	VINCENT E. LEMASTERS (S)	07-16-01	4.00
12	JACK BRIGGS (S)	07-16-02.1	1.02
13	JOHN D. BRIGGS & PATTY K. BRIGGS (S)	07-16-02.2	1.03

SURFACE HOLE LOCATION (SHL):
 UTM (NAD83, ZONE 17, METERS):
 NORTHING: 4,401,982.369
 EASTING: 532,908.000

LANDING POINT LOCATION (LPL):
 UTM (NAD83, ZONE 17, METERS):
 NORTHING: 4,402,361.136
 EASTING: 533,355.176

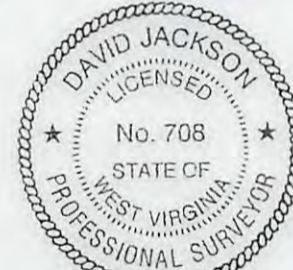
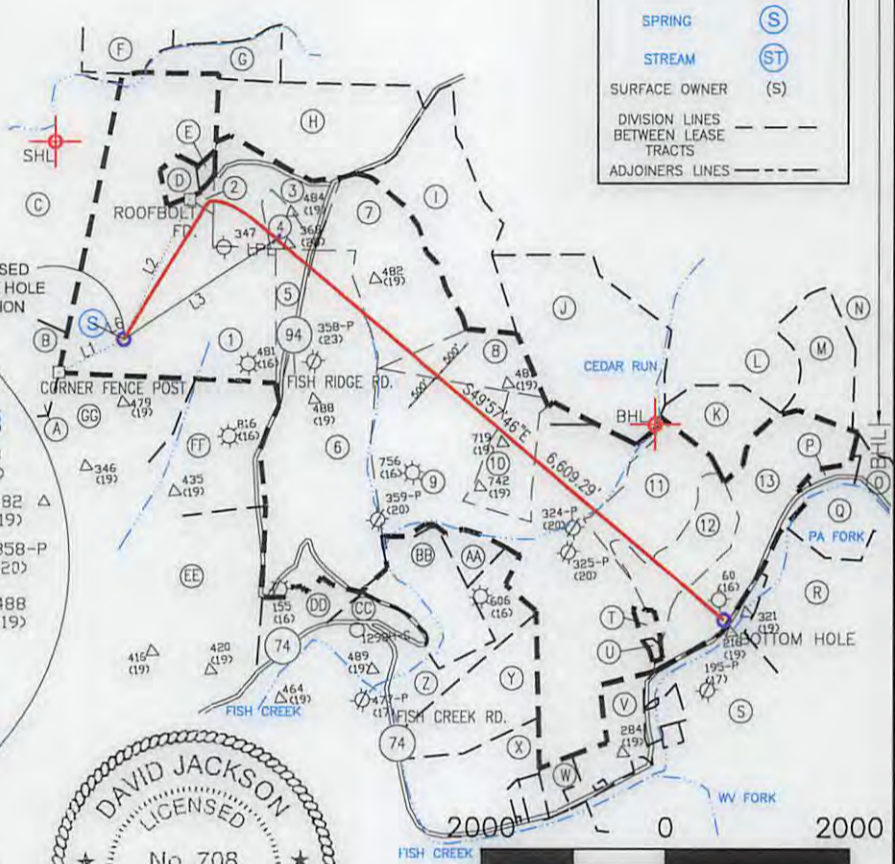
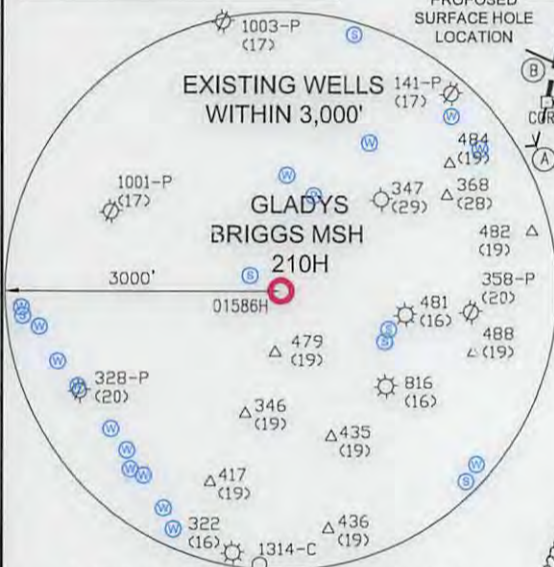
BOTTOM HOLE LOCATION (BHL):
 UTM (NAD83, ZONE 17, METERS):
 NORTHING: 4,401,065.230
 EASTING: 534,897.546



LINE	BEARING	DISTANCE	DESCRIPTION
L1	S 63°08'29" W	789.92'	SHL TO CNR FP
L2	N 25°21'38" E	1,668.60'	SHL TO ROOFBOLT
L3	N 49°44'05" E	1,922.66'	SHL TO LPL
L4	S 51°05'23" W	536.31'	SHL TO 12" TREE OF HEAVEN
L5	S 31°12'43" E	180.94'	SHL TO 18" LOCUST
L6	N 63°43'03" W	376.59'	SHL TO WATER RESERVOIR (SPRING)

LEGEND

- WATERWELL (W)
- SPRING (S)
- STREAM (ST)
- SURFACE OWNER (S)
- DIVISION LINES BETWEEN LEASE TRACTS (---)
- ADJOINERS LINES (---)



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. 708 *David L Jackson*

COMPANY: **SWN** Production Company, LLC

GLADYS BRIGGS MSH
 OPERATOR'S WELL #: 210H
 API WELL #: 47 051 01885
 STATE COUNTY PERMIT

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

MINIMUM DEGREE OF ACCURACY: 1/200

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

WVDEP OFFICE OF OIL & GAS 601 57TH STREET CHARLESTON, WV 25034

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

WATERSHED: FISH CREEK OF UPPER OHIO RIVER 2 ELEVATION: 1,382.2'

DISTRICT: LIBERTY COUNTY: MARSHALL QUADRANGLE: CAMERON 7 1/2'

SURFACE OWNER: JAMES RODNEY BRIGGS, ROGER JACOB BRIGGS & JOHN DEAN BRIGGS ACREAGE: 121.43

OIL & GAS ROYALTY OWNER: DAVID BONAR; HARRISON J. BRIGGS & GLADYS R. BRIGGS ACREAGE: 121.43

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: 7,150' TVD 14,601' TD

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

--- LEASE BOUNDARY
 --- MARCELLUS DHP
 --- ABANDONED PATH

REVISIONS:
 Δ REVISED OWNERSHIP & DHP 08-31-2016
 Δ REVISED OWNERSHIP 09-02-2016

DATE: 10-30-2015
 DRAWN BY: N. MANO
 SCALE: 1" = 2000'
 DRAWING NO:
 WELL LOCATION PLAT

