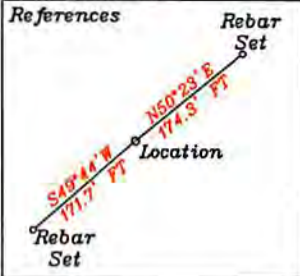
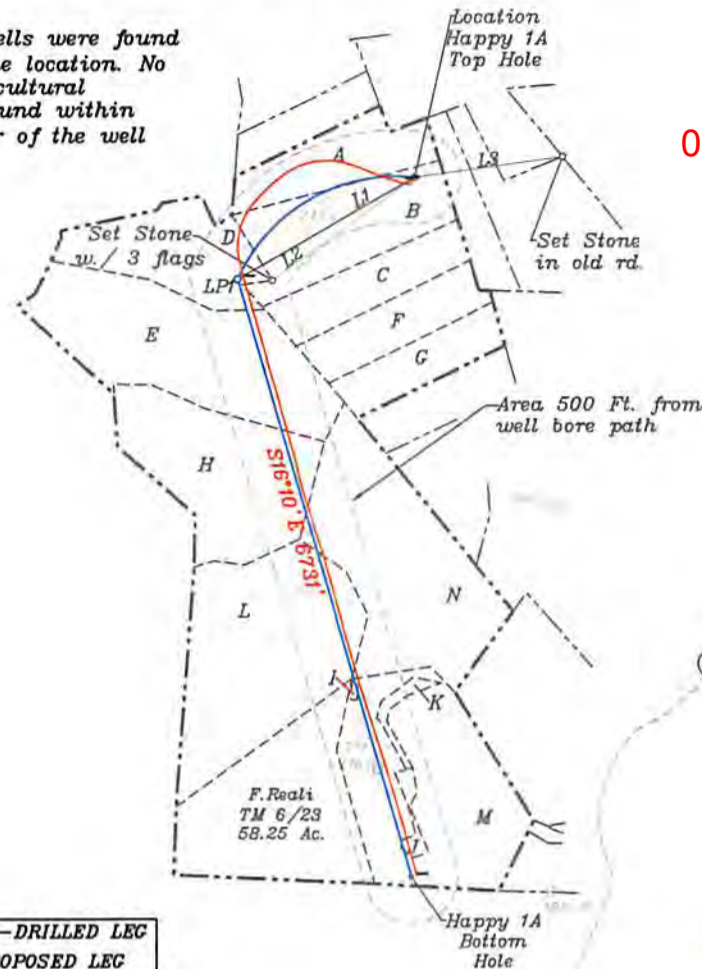


LATITUDE 39-30-00 N (TH)
LATITUDE 39-27-30 N (BH)



Note: No water wells were found within 250' of the location. No dwellings or agricultural buildings were found within 625' of the center of the well pad.

- A- Eidle TM 6/17 26.36 Ac.
- B- Bloom TM 6/18 59.76 Ac. Ls. T3042A1
- C- Eidle TM 7/17 23.73 Ac.
- D- Woodburn TM 6/19 42 Ac. Ls. T1-18
- E- Woodburn TM 6/20 85 Ac. Ls. T3039
- F- Bessinger TM 7/18 26.36 Ac.
- G- Hufford TM 7/19 22.85 Ac.
- H- Ayers TM 6/21 64.22 Ac. Ls. T3045A
- I- Reali TM 6/55 0.262 Ac. Ls. RPT1
- J- Reali TM 7/46.1 2.734 Ac. Ls. RPT1
- K- Reali TM 7/46.2 3 Ac. Ls. RPT1
- L- Roller TM 6/22 88 Ac. Ls. T1-09
- M- Butcheck TM7/46 81 Ac. Ls. RPT1
- N- Hufford TM 7/37 80 Ac. Ls. T3046



05/03/2019

7 1/2'

Bottom Hole 3,347'

Top Hole 11,093'

7 1/2'

LONGITUDE 80-45-00 N

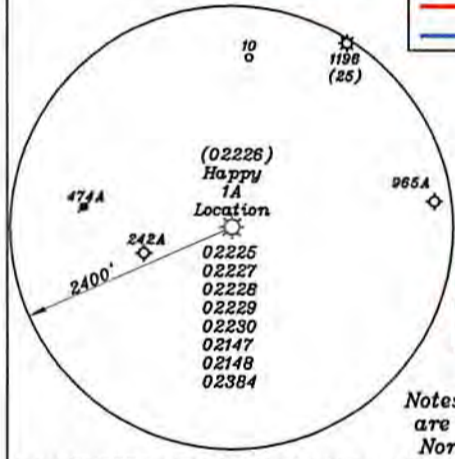
Proposed	
Top Hole	UTM NAD 83(Meters)- 4368942.7 N, 521429.9 E
Landing Point	UTM NAD 83(Meters)- 4368598.6 N, 520850.8 E
Bottom Hole	UTM NAD 83(Meters)- 4368641.3 N, 521455.4 E
AsDrilled	
Top Hole	UTM NAD 83(Meters)- 4368942.43 N, 521430.35 E
Landing Point	UTM NAD 83(Meters)- 4368610.38 N, 520868.98 E
Bottom Hole	UTM NAD 83(Meters)- 4368650.18 N, 521472.69 E

NORTH

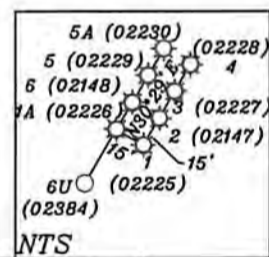
AS-DRILLED LEG
PROPOSED LEG

Note: All wells within 500' of the horizontal leg are shown on this plat based upon information taken from DEP mapping, well plats & aerial photos.

NUMBER	DIRECTION	DISTANCE
L1	S60°21'W	2141'
L2	N54°18'E	1901'
L3	S82°09'W	1617'



Notes: Ties to wells and corners are based on State Plane Grid North-WV North Zone NAD 27.



(+) 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 REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENERGY.
(SIGNED) David L Jackson
R.P.E. _____ L.L.S. 708



STATE OF WEST VIRGINIA
Division of Environmental Protection
OFFICE OF OIL AND GAS
DATE December 22, 2017
OPERATOR'S WELL NO. Happy 1A
API WELL NO. AsDrilled
WELL TYPE: OIL X GAS X LIQUID INJECTION X WASTE DISPOSAL X STATE COUNTY PERMIT
(IF 'GAS') PRODUCTION X STORAGE X DEEP X SHALLOW X
LOCATION: ELEVATION 1256.9' WATER SHED Walnut Fork & Woodburn Run
DISTRICT McElroy COUNTY Tyler
QUADRANGLE Shirley 7 1/2'
SURFACE OWNER Arthur & Lois Bloom ACREAGE 59.76 ac.
OIL & GAS ROYALTY OWNER John Lambert Ice LEASE ACREAGE 505.976 ac.

LEASE NO. & ACREAGE: "See ownership list above for lease numbers"
PROPOSED WORK: DRILL X CONVERT X DRILL DEEPER X REDRILL X FRACTURE OR STIMULATE X PLUG OFF OLD FORMATION X PERFORATE NEW FORMATION X OTHER PHYSICAL CHANGE IN WELL (SPECIFY) AsDrilled
PLUG AND ABANDON X CLEAN OUT AND REPLUG X
TARGET FORMATION Marcellus ESTIMATED DEPTH TVD= 7,064 - TMD= 16,188' ±
WELL OPERATOR Jay-Bee Oil & Gas, Inc. DESIGNATED AGENT Randy Broda
ADDRESS 1720 Rt. 22, East Union, NJ 07083 ADDRESS 3570 Shields Hill Rd., Cairo, WV 26337