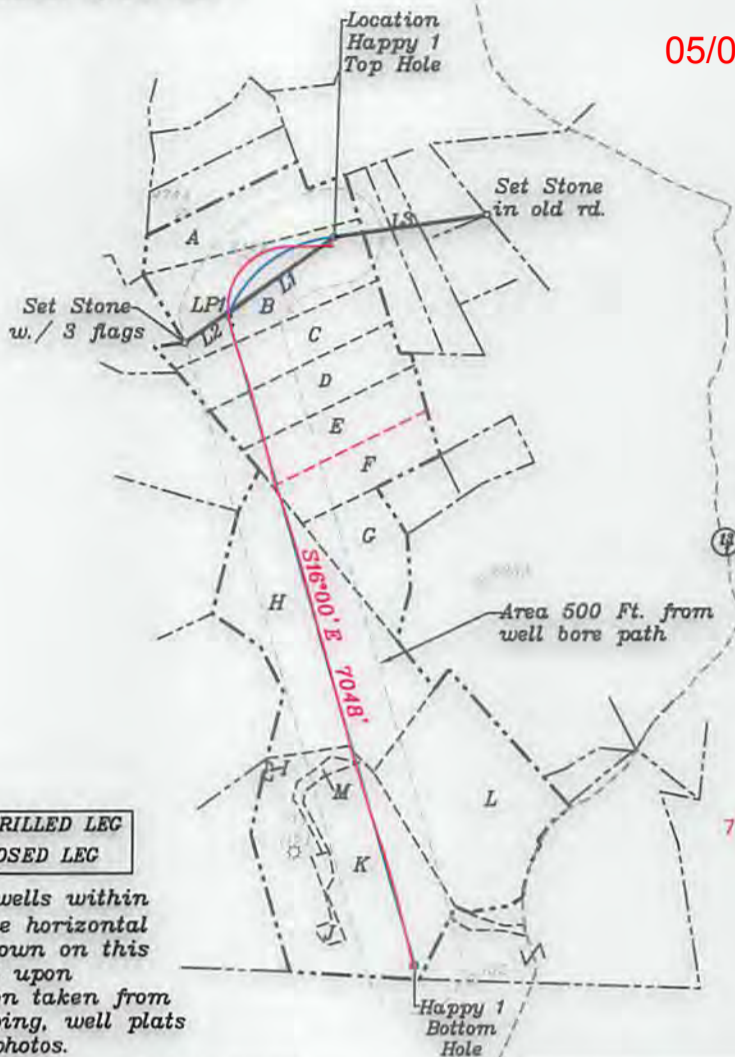


Bottom Hole 11,050'  
 LATITUDE 39-30-00 N (TH)  
 LATITUDE 39-27-30 N (BH)

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.

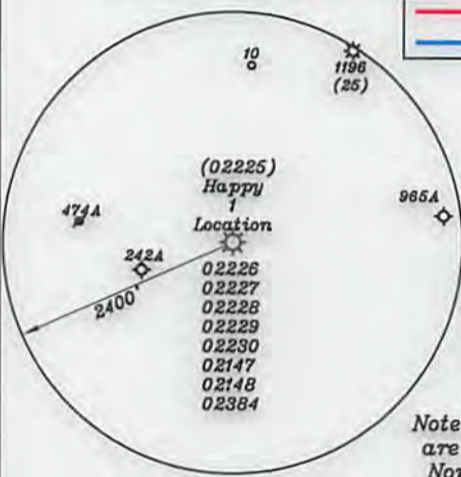
- A- Eidle TM 6/17 26.36 Ac.
- B- Bloom TM 6/18 59.76 Ac. Ls. # T3042A1
- C- Eidle TM 7/17 23.73 Ac. Ls. # T3042A1
- D- Bessinger TM 7/18 26.36 Ac. Ls. # T3039E
- E- Hufford TM 7/19 22.85 Ac. Ls. # T3039E
- F- Hufford TM 7/20 20.21 Ac. Ls. # T3039E
- G- Hufford TM 7/21 20 Ac.
- H- Hufford TM 7/37 80 Ac. Ls. # T3046
- I- Reali TM 6/55 0.262 Ac.
- J- Reali TM 7/46.1 2.734 Ac.
- K- Butcheck TM 7/46 81 Ac. Ls. # RPT1
- L- Hufford TM 7/39 & 49 52.88 Ac.
- M- Reali TM. 7-46.2 3 Ac. Ls. # RPT1

05/03/2019



Proposed	
Top Hole	UTM NAD 83(Meters)- 4368940.5 N, 521433.9 E
Landing Point	UTM NAD 83(Meters)- 4368687.3 N, 521100.8 E
Bottom Hole	UTM NAD 83(Meters)- 4368642.9 N, 521732.4 E
As Drilled	
Top Hole	UTM NAD 83(Meters)- 4368940.03 N, 521433.91 E
Landing Point	UTM NAD 83(Meters)- 4368696.01 N, 521102.40 E
Bottom Hole	UTM NAD 83(Meters)- 4366641.73 N, 521726.46 E

NORTH



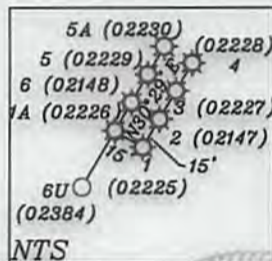
AS-DRILLED LEC  
 PROPOSED LEC

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	S54°36'W	1351'
L2	N54°42'E	1906'
L3	S81°49'W	1607'

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

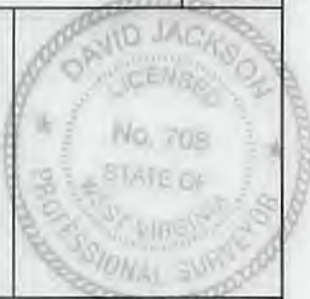
(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS



Bottom Hole 3,377'  
 Top Hole 11,031'  
 LONGITUDE 80-45-00 N (TH)  
 LONGITUDE 80-42-30 N (BH)

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 1  
 API WELL NO. AsDrilled  
 WELL TYPE: OIL GAS X LIQUID INJECTION WASTE DISPOSAL 47 - 095 - 02225  
 (IF 'GAS') PRODUCTION STORAGE DEEP SHALLOW X STATE COUNTY PERMIT  
 LOCATION: ELEVATION 1256.6' WATER SHED Walnut Fork & Woodburn Run  
 DISTRICT McElroy COUNTY Tyler  
 QUADRANGLE TH Shirley 7 1/2', BH Center Point 7 1/2'  
 SURFACE OWNER Arther & Lois Bloom ACREAGE 59.76 ac.  
 OIL & GAS ROYALTY OWNER John Lambert Ice LEASE ACREAGE 316.91 ac

LEASE NO. & ACREAGE: "See ownership list above for lease numbers"  
 PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION X OTHER PHYSICAL CHANGE IN WELL (SPECIFY) AsDrilled  
 PLUG AND ABANDON CLEAN OUT AND REPLUG \_\_\_\_\_  
 TARGET FORMATION Marcellus ESTIMATED DEPTH TVD= 7,050' - TMD= 15,224'  
 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