

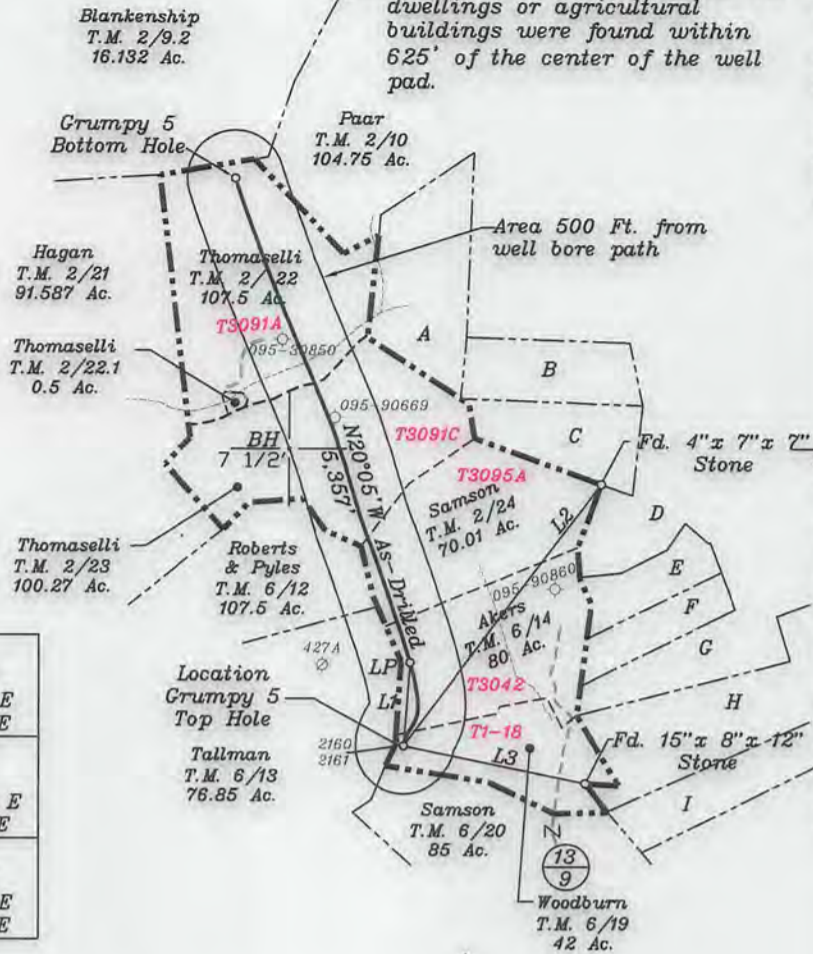
LATITUDE 39-30-00 N (TH)

Top Hole 4,015'
Bottom Hole 5,870'

References



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.



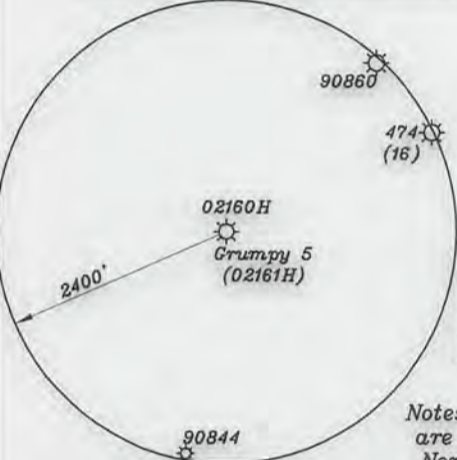
- A-Rush T.M. 2/13 8.88 Ac.
- B-Jones T.M. 2/12 93 Ac.
- C-Thomaselli T.M. 2/14 29 Ac.
- D-Lemaster et al. T.M. 6/26 87.06 Ac.
- E-McHenry Trust T.M. 6/15 15.81 Ac.
- F-Bowser T.M. 6/16 15.82 Ac.
- G-Thompson T.M. 6/17 26.36 Ac.
- H-Bloom T.M. 6/18 59.76 Ac.
- I-Eidle T.M. 7/17 23.73 Ac.

Note: Lease numbers are in red.

Top Hole	
Geo NAD 83-	39.467750 N, 80.764228 W
UTM NAD 83 (Meters)-	4368711.9 N, 520280.8 E
UTM NAD 83 (Feet)-	14333015.6 N, 1706954.7 E
LPI	
Geo NAD 83-	39.470124 N, 80.764036 W
UTM NAD 83 (Meters)-	4368975.4 N, 520296.7 E
UTM NAD 83 (Feet)-	14333880.1 N, 1707006.7 E
Bottom Hole	
Geo NAD 83-	39.483864 N, 80.770802 W
UTM NAD 83 (Meters)-	4370498.8 N, 519710.8 E
UTM NAD 83 (Feet)-	14338878.1 N, 1705084.6 E

NORTH

Bottom Hole 5,878'
Top Hole 11,747'
LONGITUDE 80-45-00 N



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	N04°21'E	867'
L2	S37°04'W	3,408'
L3	N78°13'W	1,932'

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

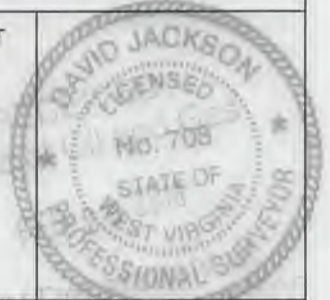
(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

NOTES:
1. CORNER TIES, REFERENCES, PROPERTY LINE INFORMATION, 2400' CIRCLE AND SURFACE OWNERSHIPS WERE TAKEN FROM PLAT BY ERNEST J. BENCHEK III DATED JUNE 06, 2014. FILE NO. 201369.
2. WELL HEAD WAS FIELD LOCATED BY JACKSON SURVEYING USING RTK GPS AND IS BASED UPON AN OPUS SOLUTION.
3. LEG AND BH LOCATIONS ARE BASED UPON A DRILLING REPORT BY PANTHER DRILLING SYSTEMS DATED 11-06-14 WITH JOB NUMBER NE140033H.

FILE NO. _____
DRAWING NO. 1
SCALE 1" = 1000'
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 Jackson
R.P.E. _____ L.L.S. 708



STATE OF WEST VIRGINIA
Division of Environmental Protection
OFFICE OF OIL AND GAS

DATE February 5, 2016
OPERATOR'S WELL NO. Grumpy 5
API WELL NO. As-Drilled

WELL TYPE: OIL GAS X LIQUID INJECTION WASTE DISPOSAL 47 — 095 — 02161H
(IF "GAS") PRODUCTION X STORAGE DEEP SHALLOW X STATE COUNTY PERMIT
LOCATION: ELEVATION 1297.0 WATER SHED Elder Run & Woodburn Run
DISTRICT McElroy COUNTY Tyler
QUADRANGLE Shirley 7 1/2'

SURFACE OWNER Diana Woodburn Samson ACREAGE 42.00 ac.
OIL & GAS ROYALTY OWNER Diana Woodburn Samson LEASE ACREAGE 42.00 ac.

06/17/2016

LEASE NO. & ACREAGE: "See ownership list above for lease numbers"

PROPOSED WORK: DRILL X CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE X PLUG OFF OLD FORMATION PERFORATE NEW FORMATION X OTHER PHYSICAL CHANGE IN WELL (SPECIFY) As-Drilled
PLUG AND ABANDON CLEAN OUT AND REPLUG

TARGET FORMATION Marcellus ESTIMATED DEPTH TVD=7,082 TMD=12,877'
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