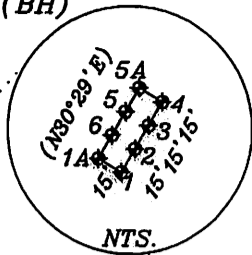


Bottom Hole 9,040'
 LATITUDE 39-30-00 N (TH)
 LATITUDE 39-27-30 N (BH)

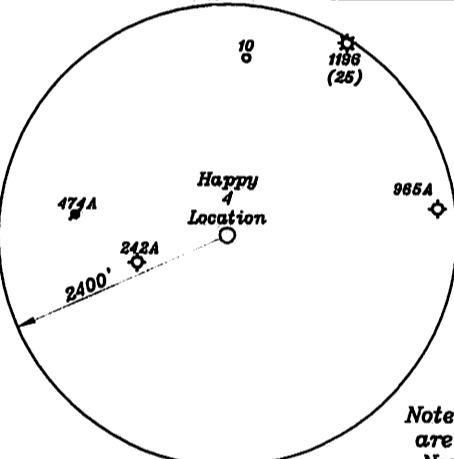
7 1/2'



- A- Idle TM 6/17 26.36 Ac.
- B- Bloom TM 6/18 59.76 Ac. Ls. T3042A1
- C- Idle TM 7/17 23.73 Ac.
- D- Bessinger TM 7/18 26.36 Ac.
- E- Hufford TM 7/19 22.85 Ac.
- F- Hufford TM 7/20 20.21 Ac.
- G- Hufford TM 7/22 10 Ac.
- H- Hufford TM 7/21 20 Ac.
- I- R. Thompson TM 7/2 17.5 Ac. Ls. T3040 & T3041AA
- J- R. R. Thompson TM 7/3 17.5 Ac. Ls. T3040 & T3041AA
- K- R. Thompson TM 7/4 11.66 Ac. Ls. T3040 & T3041AA
- L- R. Thompson TM 7/5 11.66 Ac. Ls. T3040 & T3041AA
- M- R. Thompson TM 7/6 11.66 Ac. Ls. T3040 & T3041AB
- N- Thompson TM 7/23 15.34 Ac.
- O- Hufford & Crew TM 7/24 10 Ac. Ls. T3039C
- P- R. Thompson TM 7/25 31.75 Ac. Ls. T3038A
- Q- Griffin p/o TM 7/38 37.307 Ac.
- R- O'Neil TM 7/38.2 5.03 Ac. Ls. T1-04B
- S- Griffin p/o TM 7/38 106.47 Ac. Ls. T1-04A

Top Hole
 NAD 27- 39.469808 N, 80.750911 W
 UTM NAD 83 (Meters)- 4368952.4 N, 521440.7 E
 State Plane NAD 27- 355682.6 N, 1646867.4 E
LPI
 NAD 27- 39.469068 N, 80.745850 W
 UTM NAD 83 (Meters)- 4368871.5 N, 521876.3 E
 State Plane NAD 27- 355393 N, 1648292 E
Bottom Hole
 NAD 27- 39.454983 N, 80.740294 W
 UTM NAD 83 (Meters)- 4367309.8 N, 522358.7 E
 State Plane NAD 27- 350242 N, 1649790 E

NORTH



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	S78°31'E	1454'
L2	N54°07'E	1948'
L3	S83°09'W	1579'

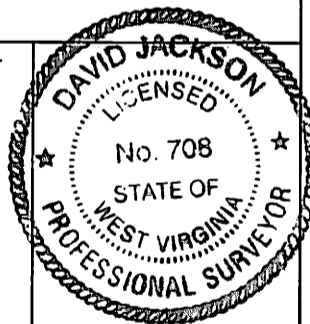
Notes: Ties to wells and corners are based on State Plane Grid North-WV North Zone NAD 27.

(+) 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 November 25, 2014
 OPERATOR'S WELL NO. Happy 4
 API WELL NO. _____
 WELL TYPE: OIL X GAS X LIQUID INJECTION _____ WASTE DISPOSAL _____ 47 - 095 - 02228 H6A
 (IF 'GAS') PRODUCTION X STORAGE _____ DEEP _____ SHALLOW X STATE COUNTY PERMIT
 LOCATION: ELEVATION 1253.5' WATER SHED Walnut Fork & Woodburn Run
 DISTRICT McElroy COUNTY Tyler
 QUADRANGLE TH Shirley 7 1/2', BH Center Point 7 1/2'
 SURFACE OWNER Arthur & Lois Bloom ACREAGE 59.76 ac.
 OIL & GAS ROYALTY OWNER John Lambert Ice LEASE ACREAGE 282.99 ac.

06/26/2015

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) _____
 PLUG AND ABANDON _____ CLEAN OUT AND REPLUG _____
 TARGET FORMATION Marcellus ESTIMATED DEPTH TVD=7,255 - TMD=15,040' +
 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

LONGITUDE 80-45-00 N (TH)
 LONGITUDE 80-42-30 N (BH)

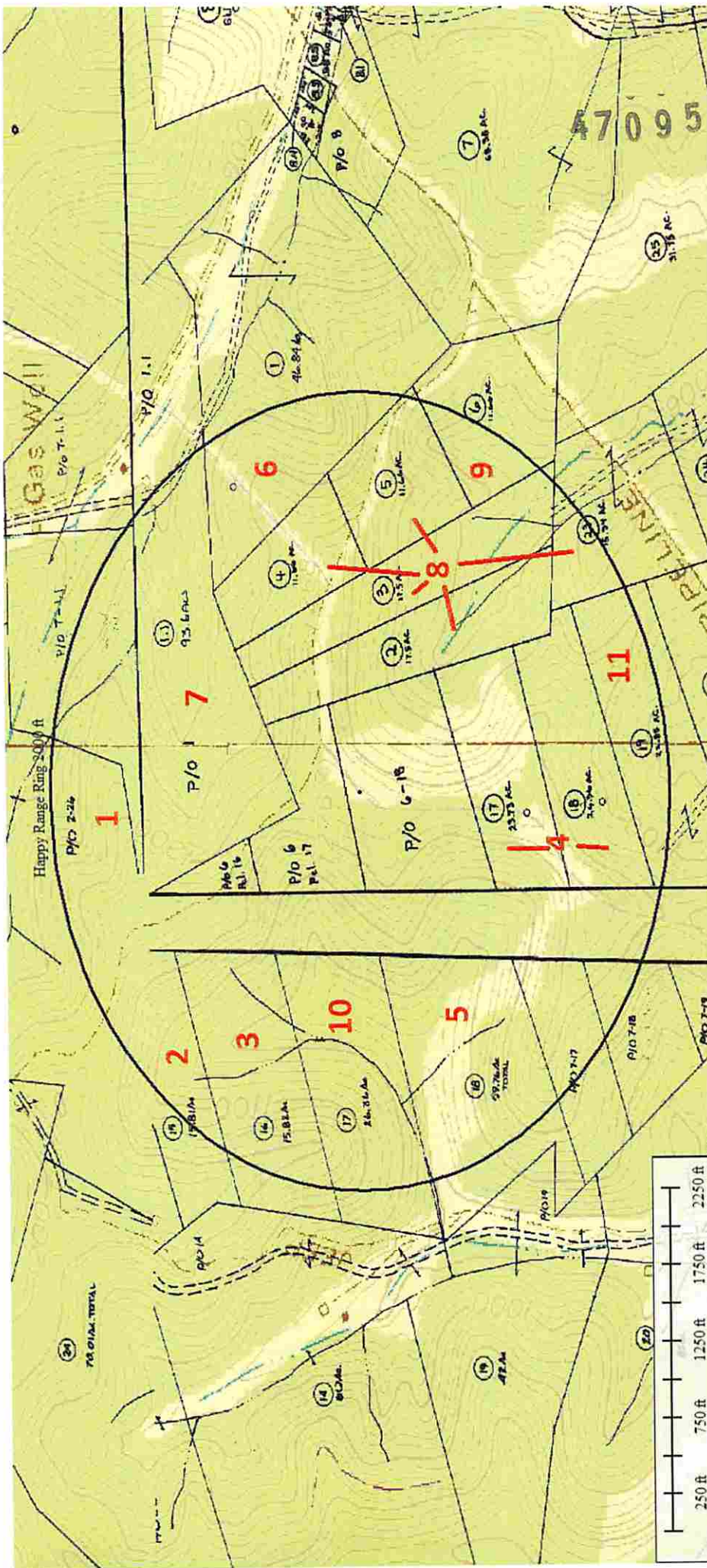
Bottom Hole 1097'

Bottom Hole 10,992'

7 1/2'

4709502228

4709502228



06/26/2015