

References

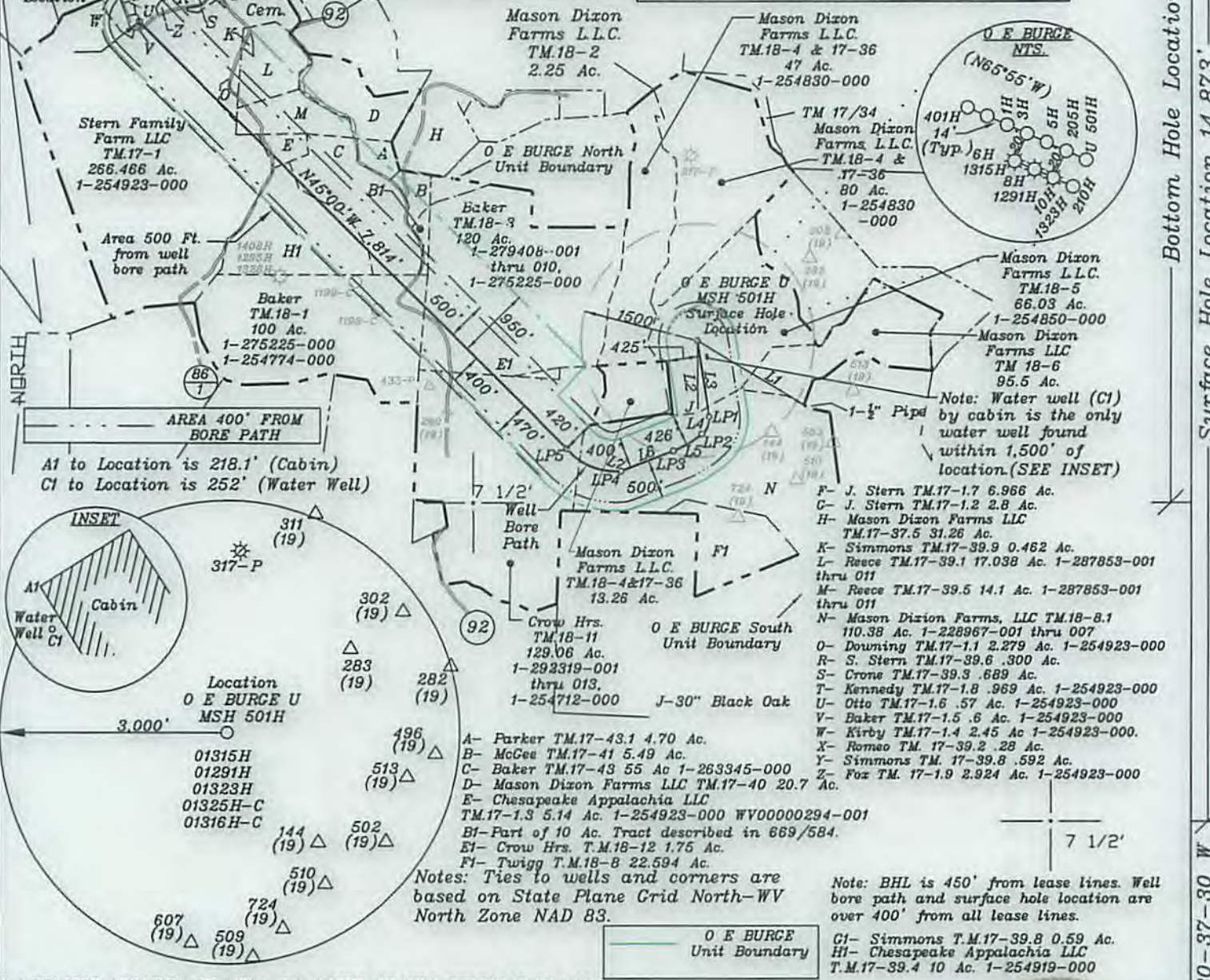
22' Sycamore
Location
S12°57'W
D 261.7
N 39°40'E

Note: This cabin is the only dwelling within 625' of the center of the pad.

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	N58°53'W	1,705'
L2	N00°59'W	938'
L3	S08°59'E	1,002'
L4	S23°29'W	242'
L5	S59°42'W	424'
L6	S69°03'W	729'
L7	N67°54'W	764'

Surface Hole Location	
UTM NAD 83 (Meters)	-4400168.9 N, 531564.4 E
Landing Point 1	
UTM NAD 83 (Meters)	-4399868.2 N, 531617.1 E
Landing Point 2	
UTM NAD 83 (Meters)	-4399800.0 N, 531588.8 E
Landing Point 3	
UTM NAD 83 (Meters)	-4399733.0 N, 531478.4 E
Landing Point 4	
UTM NAD 83 (Meters)	-4399650.1 N, 531272.4 E
Landing Point 5	
UTM NAD 83 (Meters)	-4399734.0 N, 531055.4 E
Bottom Hole Location	
UTM NAD 83 (Meters)	-4401389.2 N, 529343.9 E



Bottom Hole Location 10,747'
Surface Hole Location 14,873'

LONGITUDE 80-37-30 W

(+) 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 RULES ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.

(SIGNED) David Z Jackson
 R.P.E. _____ L.L.S. 708



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

DATE September 17, 2015
 OPERATOR'S WELL NO. O E BURGE U MSH 501H
 API WELL NO. 47-051-01853H6A
 STATE COUNTY PERMIT

WELL TYPE: OIL GAS X LIQUID INJECTION WASTE DISPOSAL
 (IF 'GAS') PRODUCTION X STORAGE DEEP X SHALLOW

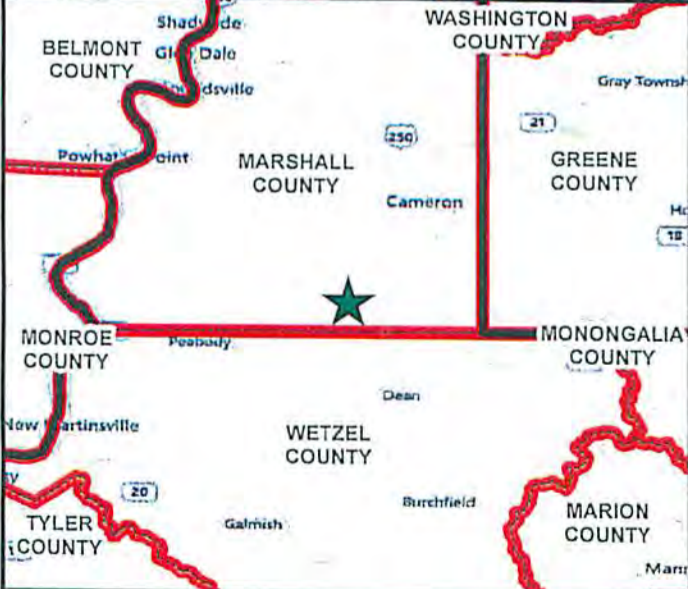
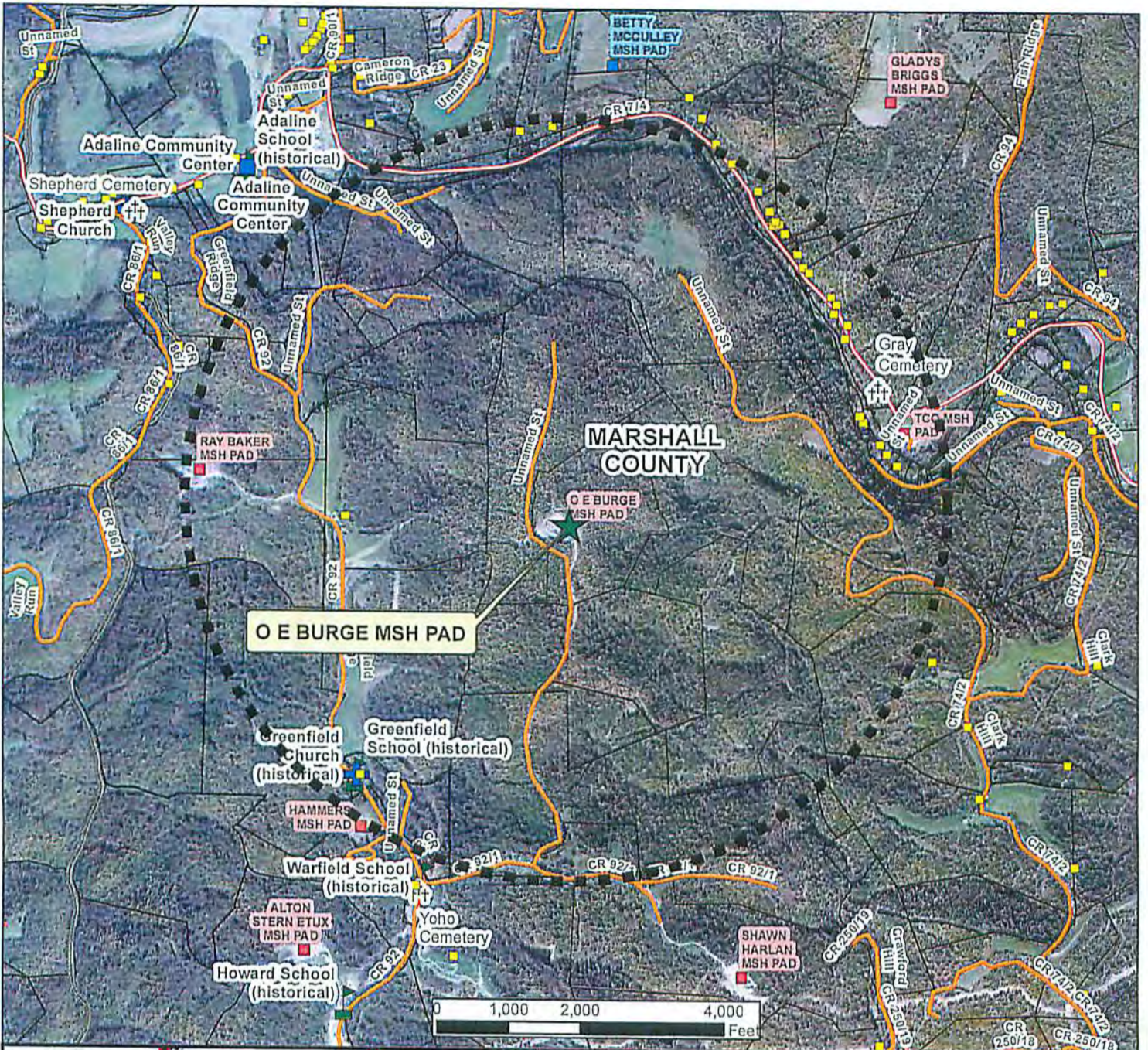
LOCATION: ELEVATION 1,342' WATER SHED Laurel Run
 DISTRICT Liberty COUNTY Marshall
 QUADRANGLE Glen Easton 7 1/2'

SURFACE OWNER Mason Dixon Farms L.L.C. ACREAGE 16.02/2015
 OIL & GAS ROYALTY OWNER O. E. Burge et al LEASE ACREAGE 869.055 ac
 LEASE NO. See Above

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 Utica ESTIMATED DEPTH TMD= 21,169'; TVD= 12,306'
 WELL OPERATOR SWN Production Co. LLC DESIGNATED AGENT Dee Southall
 ADDRESS P.O. Box 1300 Jane Lew, WV 26378 ADDRESS P.O. Box 1300 Jane Lew, WV 26378

Attachment #4



<p>Legend</p> <ul style="list-style-type: none"> CHK Pad Site <ul style="list-style-type: none"> ACTIVE (Red square) PROPOSED (Blue square) Commercial Building (Yellow square) County line (Red outline) Mile Poles (Black square) 		<p>N</p>
<p>Office of Oil and Gas</p> <p>JUN 18 2015</p> <p>WV Department of Environmental Protection</p> <p>O E BURGE MSH PAD</p> <p>MARSHALL COUNTY, WEST VIRGINIA</p> <p>Pad Site Entry Coordinates: N 4400173.9 m, E 531552.6 m (UTM 17N)</p> <p>Access Road Coordinates: N 4399706.4 m, E 531541.0 m (UTM 17N)</p>		
Scale: 1:24,000	Coordinate System: NAD 1983 UTM Zone 17N	
Date: 9/3/2014		

10/02/2015