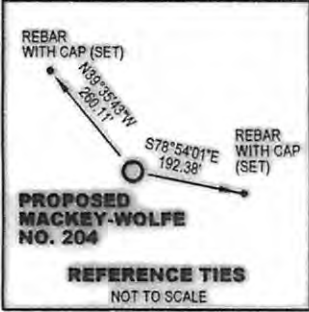


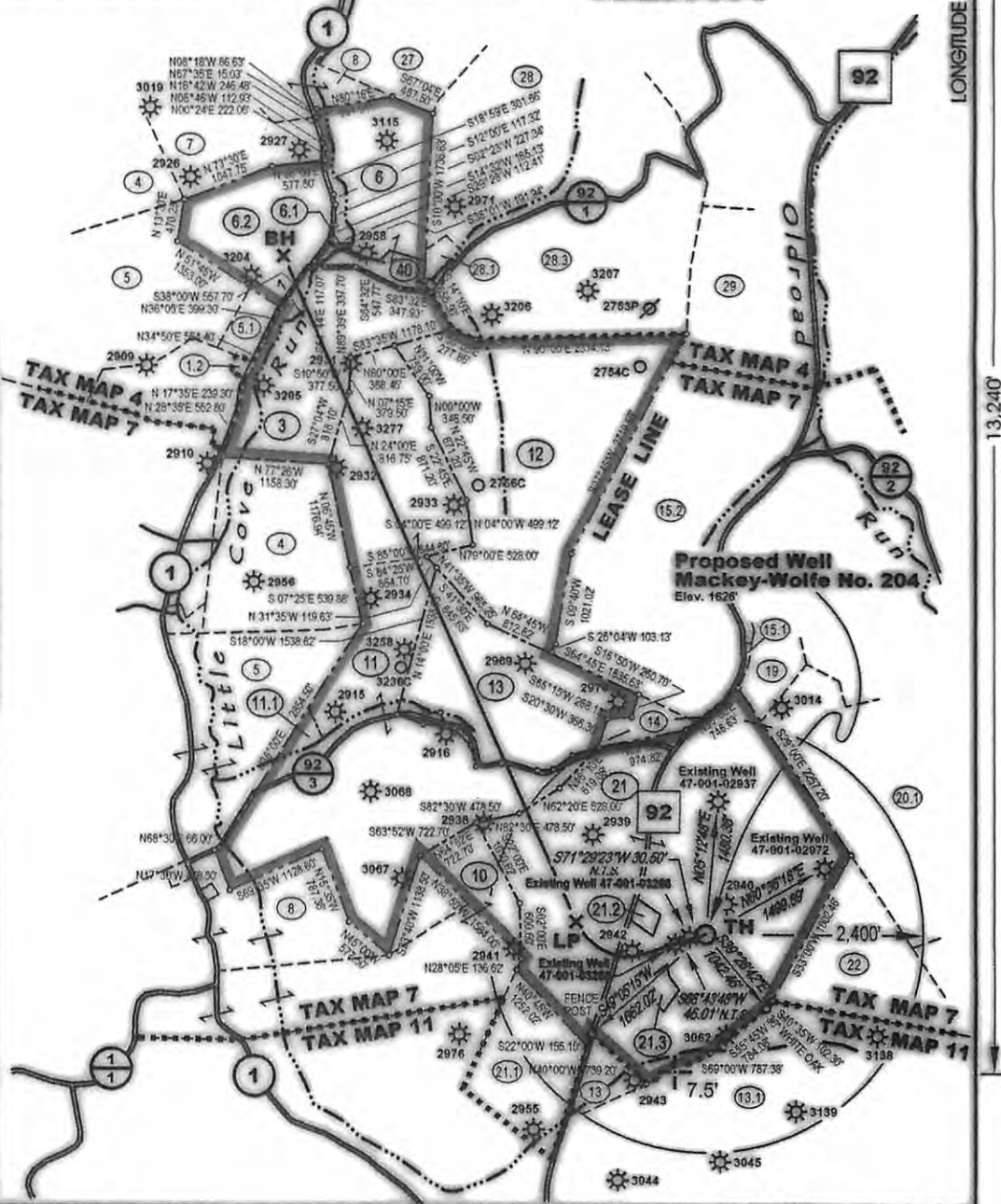
Well 204	UTM Zone 17 nad83 (meters)	WV North State Plane nad27 (feet)	Latitude / Longitude (WGS84)
Top Hole (TH)	N4345718.1449 E596070.2693	N275358.545 E1890483.704	N39°15'19.7064" E-79°53'11.5331"
Landing Point (LP)	N4345752.6875 E595636.0179	N275495.605 E1889060.744	N39°15'20.9988" E-79°53'29.6304"
Bottom Hole (BH)	N4347968.1726 E594614.7056	N282821.084 E1885830.180	N39°16'33.2579" E-79°54'11.1167"

3,330'
LATITUDE 39°17'30"
LONGITUDE 79°52'30"



Lease Surface Properties				
Tax Map Parcel	Surface Owner(s)	DB / Pg	Acreage	
4 6	Lawrence L. Boyce, Jr.	391 / 415	51.94 Ac.	
4 6.1	Lawrence L. Boyce, Jr.	391 / 415	Lot	
4 6.2	Zackery S. Bergdorf & Rosalea Harker	382 / 528	41.53 Ac.	
4 40	Lawrence L. Boyce, Jr.	391 / 415	7.6 Ac.	
7 3	WACO Oil & Gas and Mike Ross, Inc.	382 / 528	65.15 Ac.	
7 4	Mary L. Craig & David A. Keener	359 / 437	64 Ac.	
7 10	James Pitzer	W83 / 86	89.98 Ac.	
7 11	Scott L. & Denise E. Harshberger	414 / 157	168.83 Ac.	
7 11.1	Scott L. & Denise E. Harshberger	361 / 293	2.13 Ac.	
7 12	Zackery Bergdorf	405 / 528	180.25 Ac.	
7 13	Doris J. Wolfe & Catherine Wolfe	379 / 506	65 Ac.	
7 21	John M. Wolfe & Margaret Mackey	387 / 417	229.13 Ac.	
7 21.2	John Wolfe	387 / 417	1.86 Ac.	
7 21.3	John Wolfe	387 / 417	Lot	
7 40	Lawrence L. Boyce, Jr.	391 / 415	7.6 Ac.	

Adjoining Surface Properties				
Tax Map Parcel	Surface Owner(s)	DB / Pg	Acreage	
4 4	George D. Pitzer Life Estate	---	99 Ac.	
4 5	Russell L. Keener	389 / 410	74.80 Ac.	
4 5.1	Gregory & Leta S. Louk	382 / 330	10 Ac.	
4 7	Gary G. & Joyce K. Avers	374 / 495	51.11 Ac.	
4 26.1	William W. Gregg	248 / 506	62.75 Ac.	
4 27	Robert L. Smith	387 / 193	64.41 Ac.	
4 28.3	Rosalea Harker	382 / 528	70 Ac.	
7 1.2	David Lee Wilson etur	278 / 173	1 Ac.	
7 5	Clare T. & Carol F. Auvil	418 / 41	101 Ac.	
7 8	John S. Pitzer, Sr.	329 / 330	105.75 Ac.	
7 14	John Moore & Margaret J. Wolfe	337 / 1	8.4 Ac.	
7 15.1	Joyce E. Turner	414 / 522	0.5 Ac.	
7 15.2	Harold R. & Parlina Shaw	251 / 149	140 Ac.	
7 19	Joyce E. Turner	414 / 522	25 Ac.	
7 20.1	Thomas & Treasia Rhoden	425 / 198	150 Ac.	
7 21.1	Hazel N. Wolfe Heirs	WB22 / 150	30 Ac.	
7 22	Hazel N. Wolfe Heirs	WB22 / 150	44 Ac.	
11 13	Hazel N. Wolfe Heirs	WB22 / 150	7.14 Ac.	
11 13.1	John M. Wolfe	WB320 / 324	79.09 Ac.	



MSES consultants, inc.
 FILE NO. 13-355-1 Mackey-Wolfe 204 Well Plat
 DRAWN BY SARC
 SCALE 1" = 2000'
 MIN. DEGREE OF ACCURACY SUBMETER
 PROVEN SOURCE OF ELEVATION:
GPS (SURVEY GRADE)

I, THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF, AND THAT IT SHOWS ALL INFORMATION REQUIRED BY LAW AND THE RULES ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.
 (SIGNED) Daniel Trembly
 R.P.E. _____ P.S. 2029



STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
OIL AND GAS DIVISION



DATE JULY 15 20 13
 OPERATOR'S WELL NO. MACKEY-WOLFE NO. 204
 API WELL NO.
47 001 03268
 STATE COUNTY PERMIT NO.
STATE COUNTY PERMIT NO.

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 IF "GAS", PRODUCTION STORAGE DEEP SHALLOW Cancelled Mod
 LOCATION: ELEVATION 1,626' WATERSHED LITTLE COVE RUN
 DISTRICT COVE COUNTY BARBOUR
 QUADRANGLE THORNTON, W V 7.5' NEAREST TOWN COALBANK
 SURFACE OWNER JOHN M. WOLFE & MARGARET MACKEY ACREAGE 229.13
 OIL & GAS ROYALTY OWNER JOHN M. WOLFE & MARGARET MACKEY LEASE ACREAGE 229.13
 LEASE NO. _____
 PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE
 PLUG OFF OLD FORMATION PERFORATE NEW FORMATION
 OTHER PHYSICAL CHANGE IN WELL (SPECIFY) HORIZONTAL
 PLUG AND ABANDON CLEAN OUT AND REPLUG
 TARGET FORMATION MARCELLUS ESTIMATED DEPTH TVD 8,064' / TMD 16,936'
 WELL OPERATOR MOUNTAINEER-KEYSTONE LLC DESIGNATED AGENT NATHAN SKEEN
 ADDRESS 1111 VAN VOORIS ROAD, SUITE G ADDRESS 1111 VAN VOORIS ROAD, SUITE G
MORGANTOWN, W V 26505 MORGANTOWN, W V 26505

FORM IV-6

COUNTY **001**
 PERMIT NO. **03268**

11/21/2014