

GRT28
WV 516737
EQT PRODUCTION COMPANY

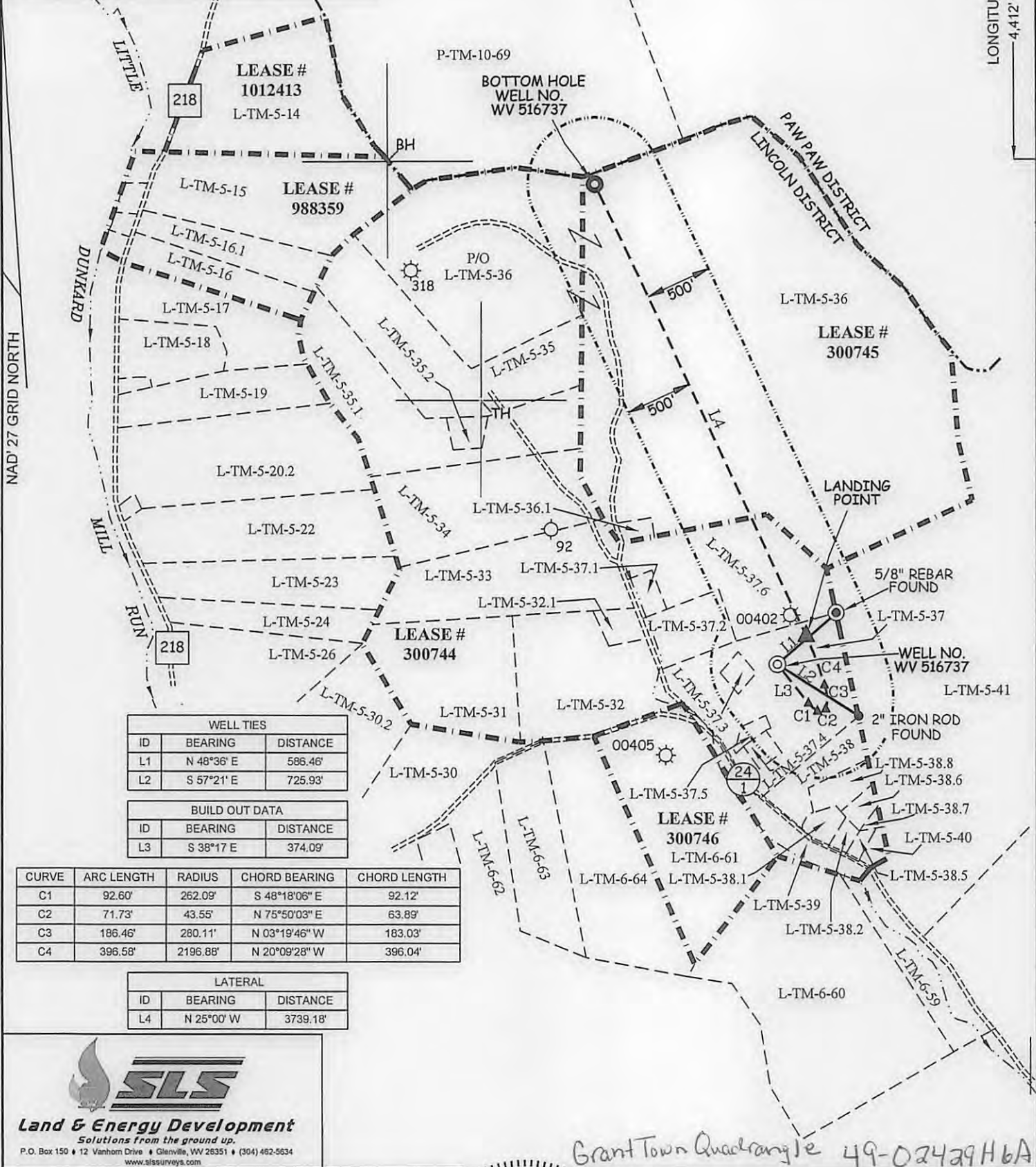
9,734'

LATITUDE 39°35'00"

LONGITUDE 80°12'30"

4,412'

NAD'27 GRID NORTH



| WELL TIES | | |
|-----------|------------|----------|
| ID | BEARING | DISTANCE |
| L1 | N 48°36' E | 586.46' |
| L2 | S 57°21' E | 725.93' |

| BUILD OUT DATA | | |
|----------------|------------|----------|
| ID | BEARING | DISTANCE |
| L3 | S 38°17' E | 374.09' |

| CURVE | ARC LENGTH | RADIUS | CHORD BEARING | CHORD LENGTH |
|-------|------------|----------|---------------|--------------|
| C1 | 92.60' | 262.09' | S 48°18'06" E | 92.12' |
| C2 | 71.73' | 43.55' | N 75°50'03" E | 63.89' |
| C3 | 186.46' | 280.11' | N 03°19'46" W | 183.03' |
| C4 | 396.58' | 2196.88' | N 20°09'28" W | 396.04' |

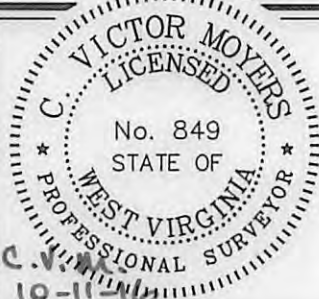
| LATERAL | | |
|---------|------------|----------|
| ID | BEARING | DISTANCE |
| L4 | N 25°00' W | 3739.18' |



Land & Energy Development
Solutions from the ground up.
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www.slsurveys.com

Grant Town Quadrangle 49-02429H6A

| (S.P.C. NORTH ZONE) (UTM(M) ZONE 17 NORTH) | | | |
|--|-------------------|--------------------|--|
| NAD'27 S.P.C.(FT) | N. 387,423.73 | E. 1,791,955.27 | |
| NAD'27 GEO. | LAT-(N) 39.561359 | LONG-(W) 80.237917 | |
| NAD'83 UTM (M) | N. 4,379,360.75 | E. 565,482.78 | |
| LANDING POINT | | | |
| NAD'27 S.P.C.(FT) | N. 387,638.97 | E. 1,792,170.69 | |
| NAD'27 GEO. | LAT-(N) 39.561954 | LONG-(W) 80.237159 | |
| NAD'83 UTM (M) | N. 4,379,427.42 | E. 565,547.32 | |
| BOTTOM HOLE | | | |
| NAD'27 S.P.C.(FT) | N. 391,027.86 | E. 1,790,590.52 | |
| NAD'27 GEO. | LAT-(N) 39.571223 | LONG-(W) 80.242863 | |
| NAD'83 UTM (M) | N. 4,380,451.87 | E. 565,048.68 | |



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

| LEGEND | |
|---------------------------------|------------|
| LEASE LINE | ----- |
| SURFACE LINE | ----- |
| WELL LATERAL | ----- |
| OFFSET LINE | ----- |
| TIE LINE | ----- |
| CREEK | ----- |
| ROAD | ----- |
| COUNTY ROUTE | ----- |
| PROPOSED WELL | ⊙ |
| EXISTING WELL | ⊙ |
| PERMITTED WELL | ⊙ |
| LINCOLN DISTRICT TAX MAP-PARCEL | L-TM-00-00 |
| PAW PAW DISTRICT TAX MAP-PARCEL | P-TM-00-00 |

SCALE 1" = 1000' FILE NO. 8423P516737
DATE OCTOBER 11, 20 16
REVISED _____, 20 ____
OPERATORS WELL NO. WV 516737
API WELL NO. 47 — 049 — 02429
STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
DIVISION OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS



WELL OPERATOR EQT PRODUCTION COMPANY DESIGNATED AGENT REX C. RAY
ADDRESS 115 PROFESSIONAL PLACE P.O. BOX 280 ADDRESS 115 PROFESSIONAL PLACE P.O. BOX 280
BRIDGEPORT, WV 26330 BRIDGEPORT, WV 26330

COUNTY NAME PERMIT

03/17/2017

GRT28
WV 516737
EQT PRODUCTION COMPANY

9,734'

LATITUDE 39°35'00"

LONGITUDE 80°12'30"

(S.P.C. NORTH ZONE) (UTM(M) ZONE 17 NORTH)

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LANDING POINT

| | | |
|-------------------|-------------------|--------------------|
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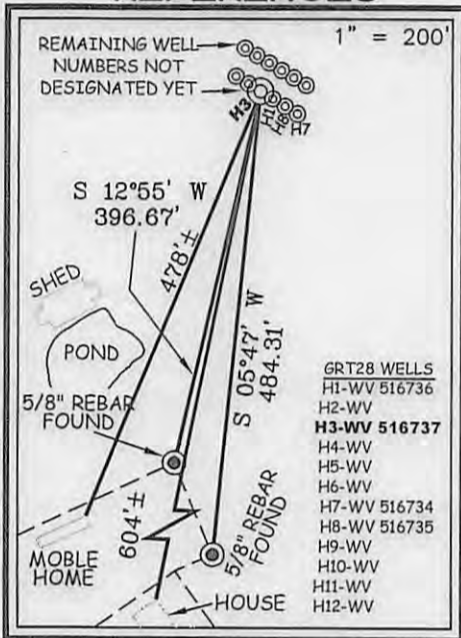
BOTTOM HOLE

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ROYALTY OWNERS
 L.L. MORRIS & MIKE ROSS, INC 169 AC± LEASE NO. 300745



REFERENCES



NOTES ON SURVEY

1. NO WATER WELLS WERE FOUND WITHIN 250' OF PROPOSED GAS WELL. NO AGRICULTURAL BUILDINGS ≥ 2500 SQ.FT. WERE FOUND WITHIN 625' OF THE CENTER OF PROPOSED WELL PAD.
2. SEE REFERENCE BOX FOR DISTANCE TO EXISTING DWELLINGS WITHIN 625' OF THE CENTER OF PROPOSED WELL PAD.
3. WELL SPOT CIRCLE & TOPO MARK SCALE IS 1"=2000'

| | | |
|-------------|-----------------------------|----------------|
| L-TM-5-14 | ROBIN TENNANT ET AL | 25.28 ACRES± |
| L-TM-5-15 | JOSEPH LONGWELL ET AL | 22.76 ACRES± |
| L-TM-5-16 | RICHARD KINCELL ET AL | 7.88 ACRES± |
| L-TM-5-16.1 | ROGER PARKER | 7.88 ACRES± |
| L-TM-5-17 | JEAN CLARK | 9.26 ACRES± |
| L-TM-5-18 | JACK & MILDRED COOK | 9.24 ACRES± |
| L-TM-5-19 | AARON & MAGGIE DENHAM | 10.95 ACRES± |
| L-TM-5-20.2 | DONALD PRICE | 21.061 ACRES± |
| L-TM-5-22 | KEVIN JONES ET AL | 18.74 ACRES± |
| L-TM-5-23 | RONALD & MARILYN FETTY | 12.69 ACRES± |
| L-TM-5-24 | CARL & MARGARET McINTIRE | 11.86 ACRES± |
| L-TM-5-26 | TIMOTHY & JUDITH VANPELT | 11.646 ACRES± |
| L-TM-5-30 | RUSSELL & TERRI MORRIS | 11.820 ACRES± |
| L-TM-5-30.2 | BARBARA WISE ET AL | 21.55 ACRES± |
| L-TM-5-31 | SANDY CROWLEY | 20.72 ACRES± |
| L-TM-5-32 | RYAN & ANNA BESEDICH | 8.849 ACRES± |
| L-TM-5-32.1 | MICHAEL MARCOZZI ET AL | 1.42 ACRES± |
| L-TM-5-33 | THURMAN JR. & BELINDA BLAND | 22.75 ACRES± |
| L-TM-5-34 | LEONARD MYERS ET AL | 22.5 ACRES± |
| L-TM-5-35 | MARK CLEVINGER ET AL | 24.84 ACRES± |
| L-TM-5-35.1 | JIMMIE & VICKIE WELCH | 23.32 ACRES± |
| L-TM-5-35.2 | SHANNON CURREY | 0.94 ACRES± |
| L-TM-5-36 | HARRY & DEBRA BLAND | 202.145 ACRES± |
| L-TM-5-36.1 | HARRY & DEBRA BLAND | 0.935 ACRES± |
| L-TM-5-37 | WALTER & BEULAH PATRICK | 21.50 ACRES± |
| L-TM-5-37.1 | LUCIDA BROWN | 1.50 ACRES± |
| L-TM-5-37.2 | LARRY DENOON JR | 3 ACRES± |
| L-TM-5-37.3 | LUCINDA DENOON | 0.99 ACRES± |
| L-TM-5-37.4 | KEVIN & MARTHA TOOTHMAN | 1 ACRES± |
| L-TM-5-37.5 | TRAVIS & HEIDI TOOTHMAN | 0.75 ACRES± |
| L-TM-5-37.6 | LUCIDA BROWN | 20.50 ACRES± |
| L-TM-5-38 | ROBERT & NICOLE KINCELL | 5.170 ACRES± |
| L-TM-5-38.1 | JACK JR & ANGELINA FROST | 1.71 ACRES± |
| L-TM-5-38.2 | STEPHEN WOODY ET AL | 1.04 ACRES± |
| L-TM-5-38.5 | GREGORY & DEBORAH GARRISON | 0.70 ACRES± |
| L-TM-5-38.6 | DAVID & SHELLY BLAND | 0.95 ACRES± |
| L-TM-5-38.7 | GREGORY & DEBORAH GARRISON | 0.14 ACRES± |
| L-TM-5-38.8 | DAVID & SHELLY BLAND | 2.17 ACRES± |
| L-TM-5-39 | REBECCA CRANDALL | 3 ACRES± |
| L-TM-5-40 | D REYNOLDS INVESTMENT'S LLC | 1.23 ACRES± |
| L-TM-5-41 | JOSEPH & JEANETTE MIJCYNIOZ | 85.75 ACRES± |
| L-TM-6-59 | I O O F ELECTIC LODGE #67 | 5.36 ACRES± |
| L-TM-6-60 | I O O F ELECTIC LODGE #67 | 53 ACRES± |
| L-TM-6-61 | REBECCA CRANDALL | 34.75 ACRES± |
| L-TM-6-62 | RUSSELL & TERRI MORRIS | 20 ACRES± |
| L-TM-6-63 | JOSEPH CRANDALL | 13.50 ACRES± |
| L-TM-6-64 | E.M. & NANCY KITTLE | 14.57 ACRES± |
| P-TM-10-69 | BASIL & WANDA RUCKLE | 89 ACRES± |

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 www.slsurveyors.com

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 DIVISION OF ENVIRONMENTAL PROTECTION.

P.S. 849 *C. Victor Moyers*



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.
 DATE OCTOBER 11, 20 16
 REVISED _____, 20 _____
 OPERATORS WELL NO. WV 516737
 API WELL NO. 47 - 049 - 02429H6A
 STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 2500 FILE NO. 8423P516737.dwg
 HORIZONTAL & VERTICAL CONTROL DETERMINED BY DGPS (SURVEY GRADE TIE TO CORS NETWORK)
 SCALE SEE NOTE 3

STATE OF WEST VIRGINIA
 DIVISION OF ENVIRONMENTAL PROTECTION
 OFFICE OF OIL AND GAS

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL IF "GAS" PRODUCTION STORAGE DEEP SHALLOW

LOCATION: (GROUND) (PROPOSED)
 ELEVATION 1193' 1207' WATERSHED BETHEL RUN
 DISTRICT LINCOLN COUNTY MARION QUADRANGLE GRANT TOWN 7.5'

SURFACE OWNER WALTER & BEULAH PATRICK ACREAGE 21.50±
 ROYALTY OWNER LARRY & JUDITH KUHN ET AL ACREAGE 231±

PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION PLUG AND ABANDON CLEAN OUT AND REPLUG OTHER

PHYSICAL CHANGE IN WELL (SPECIFY) _____ TARGET FORMATION MARCELLUS
 ESTIMATED DEPTH 7612'

WELL OPERATOR EQT PRODUCTION COMPANY DESIGNATED AGENT REX C. RAY
 ADDRESS 115 PROFESSIONAL PLACE P.O. BOX 280 BRIDGEPORT, WV 26330 ADDRESS 115 PROFESSIONAL PLACE P.O. BOX 280 BRIDGEPORT, WV 26330

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