FORM WW 6

9,530'

LATITUDE 39°15'00"

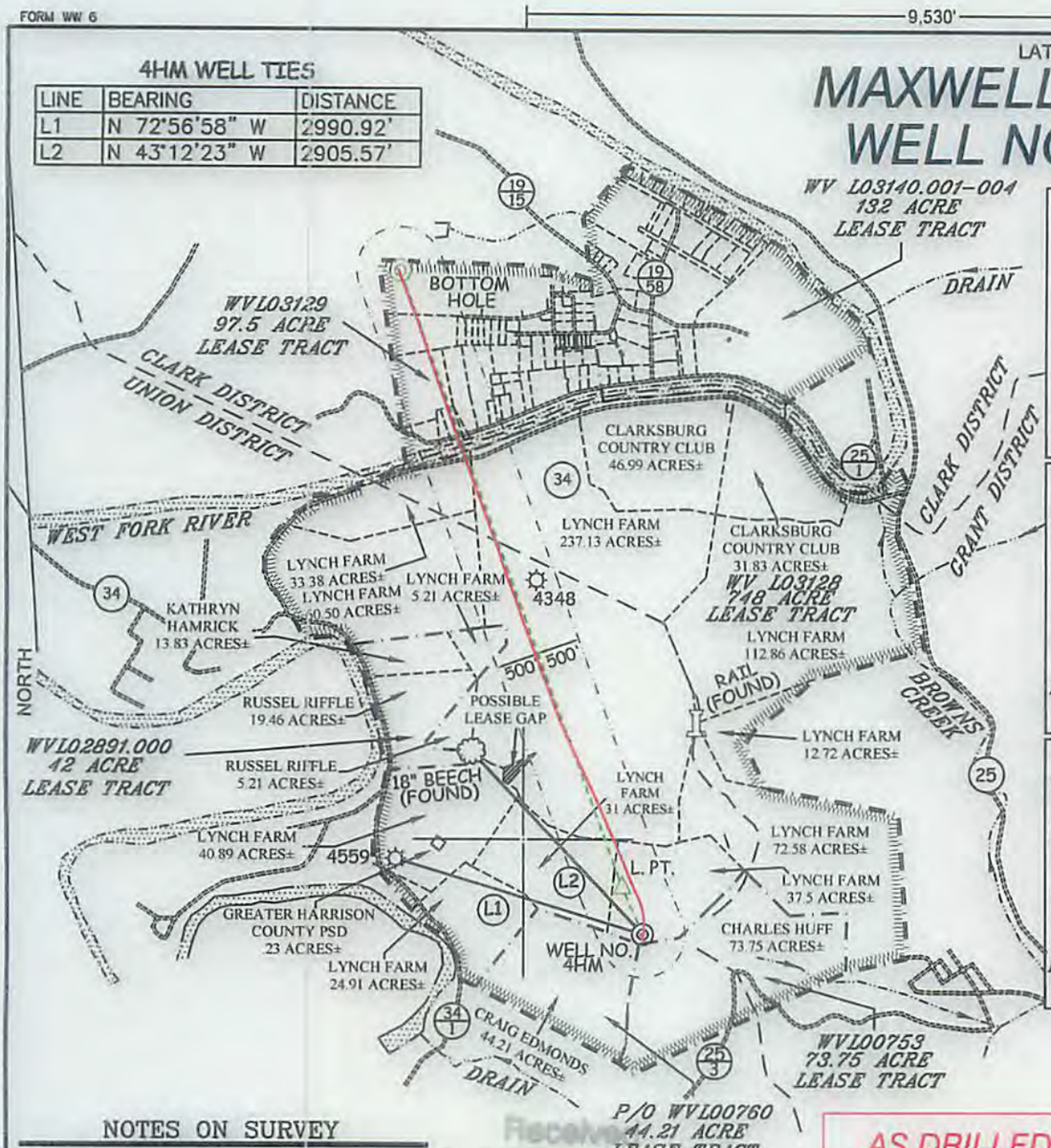
MAXWELL LEASE
WELL NO. 4HM

LONGITUDE 80°20'00"

9,318'

4HM WELL TIES

LINE	BEARING	DISTANCE
L1	N 72°56'58" W	2990.92'
L2	N 43°12'23" W	2905.57'



WELL NO. 4HM
TOP HOLE
STATE PLANE COORDINATES
(NORTH ZONE NAD 27)
N. 265,035
E. 1,754,387

TOP HOLE (NAD 27)
LAT=(N) 39°13'27.9"
LONG=(W) 80°22'01.1"

TOP HOLE (NAD 83)
LAT=(N) 39°13'28.2"
LONG=(W) 80°22'00.4"

TOP HOLE UTM (NAD 83)
(N) 4,341,883
(E) 554,658

WELL NO. 4HM
LANDING POINT
STATE PLANE COORDINATES
(NORTH ZONE NAD 27)
N. 265,578
E. 1,754,149

LANDING POINT (NAD 27)
LAT=(N) 39°13'33.3"
LONG=(W) 80°22'04.2"

LANDING POINT (NAD 83)
LAT=(N) 39°13'33.6"
LONG=(W) 80°22'03.5"

LANDING POINT UTM (NAD 83)
(N) 4,342,046
(E) 554,583

WELL NO. 4HM
BOTTOM HOLE
STATE PLANE COORDINATES
(NORTH ZONE NAD 27)
N. 272,673
E. 1,751,567

BOTTOM HOLE (NAD 27)
LAT=(N) 39°14'43.1"
LONG=(W) 80°22'37.9"

BOTTOM HOLE (NAD 83)
LAT=(N) 39°14'43.5"
LONG=(W) 80°22'37.2"

BOTTOM HOLE UTM (NAD 83)
(N) 4,344,195
(E) 553,760

NOTES ON SURVEY

1. TIES TO WELLS, REFERENCES, AND CORNERS ARE BASED ON GRID NORTH FOR THE WV STATE PLANE COORDINATE SYSTEM NORTH ZONE NAD '27.
2. LEASE BOUNDARY SHOWN HEREON TAKEN FROM DEED BOOK 142 PAGE 484 AND ADJOINING DEEDS.
3. SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF HARRISON COUNTY IN JULY, 2012.
4. WELL LAT./LONG. (NAD'27) ESTABLISHED BY DGPS(SURVEY GRADE).
5. AS DRILLED INFORMATION PROVIDED BY PDC MOUNTAINEER, LLC.

Received
Office of Oil & Gas
SEP 26 2015

LEGEND

AS DRILLED ———

PROPOSED - - - - - -

AS DRILLED COORDINATES FOR WELL NO. 4HM

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

NAD'27 S.P.C.(FT)	N. 265,035	E. 1,754,387
NAD'27 GEO.	LAT-(N) 39°13'27.9"	LONG-(W) 80°22'01.1"
NAD'83 GEO.	LAT-(N) 39°13'28.2"	LONG-(W) 80°22'00.4"
NAD'83 UTM (M)	N. 4,341,883	E. 554,658
	BOTTOM HOLE	
NAD'27 S.P.C.(FT)	N. 272,689	E. 1,751,538
NAD'27 GEO.	LAT-(N) 39°14'43.3"	LONG-(W) 80°22'38.3"
NAD'83 GEO.	LAT-(N) 39°14'43.6"	LONG-(W) 80°22'37.6"
NAD'83 UTM (M)	N. 4,344,200	E. 553,751

SLS

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. 677 Gregory A. Smith

GREGORY A. SMITH
LICENSED
No. 677
STATE OF
WEST VIRGINIA
PROFESSIONAL SURVEYOR

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

DATE APRIL 3 , 20 13

REVISED DATE 09/03/13 & 06/10/15

OPERATORS WELL NO. MAXWELL 4HM

API WELL NO. 47 — 033 — 05742H
STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 200

PROVEN SOURCE OF ELEVATION DGPS (SUBMETER MAPPING GRADE)

FILE NO. 8450P4HMASDRILLED

SCALE 1" = 2,000'

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

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

LOCATION :

ELEVATION 1,457' WATERSHED WEST FORK RIVER

DISTRICT UNION COUNTY HARRISON QUADRANGLE MOUNT CLARE 7.5'

SURFACE OWNER LYNCH FARM, LLC ACREAGE 37.5±

ROYALTY OWNER WBM HEIRS PROPERTIES LLC, ETAL ACREAGE 748, 42, 44.21, 73.75, 37.5, 44.21

PROPOSED WORK : LEASE NO. ___

DRILL X CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE X 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 7,590' TVD / TMD 15,538'

WELL OPERATOR PDC MOUNTAINEER, LLC DESIGNATED AGENT NATHAN SKEEN

ADDRESS 6031 WALLACE ROAD EXTENSION, SUITE 300 ADDRESS 65 PROFESSIONAL PLACE, SUITE 200

WEXFORD, PA 15090 BRIDGEPORT, WV 26330

10/30/2015

COUNTY NAME

PERMIT