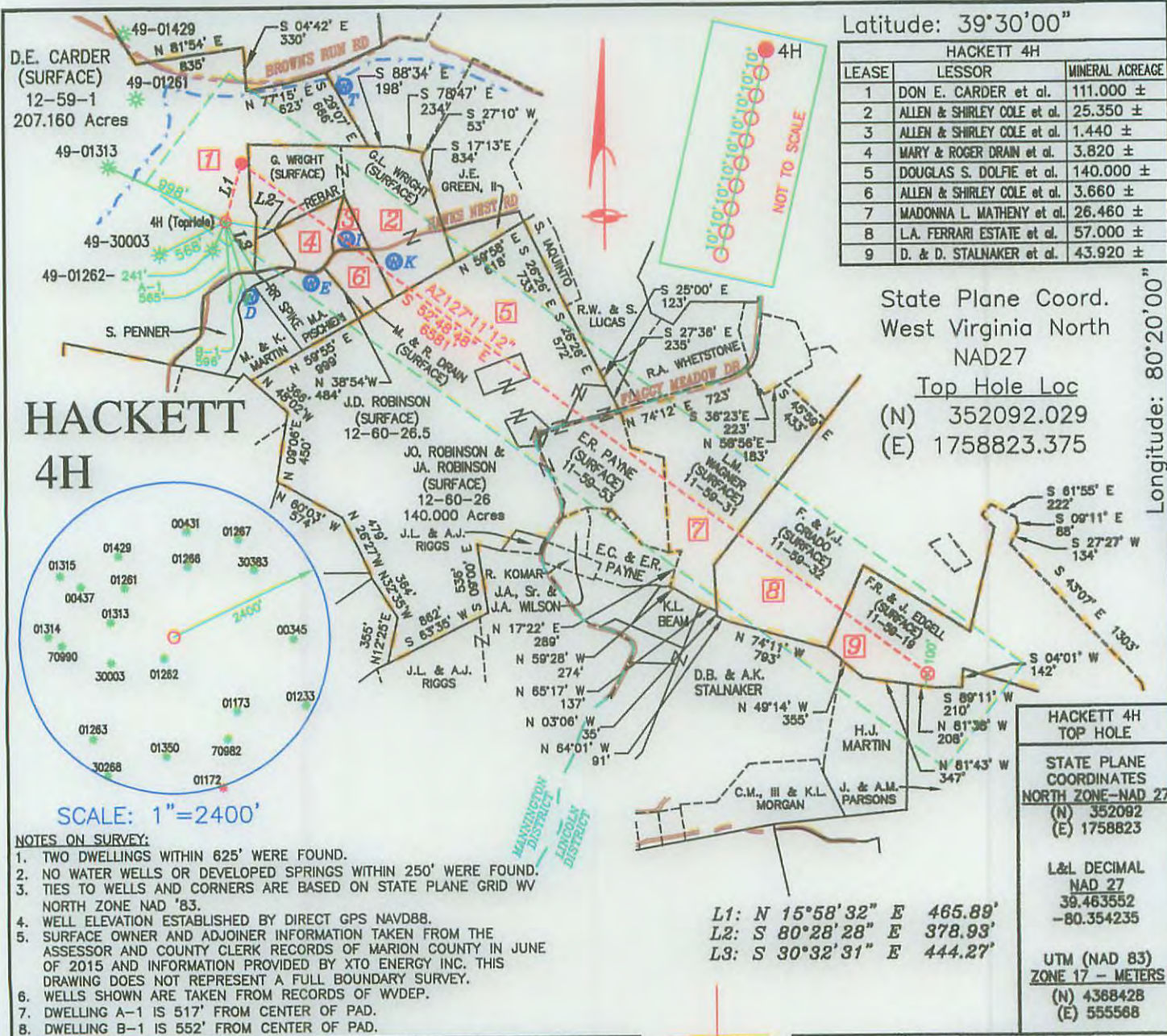


47-049-02410

5902' (1"=2000')

Latitude: 39°30'00"

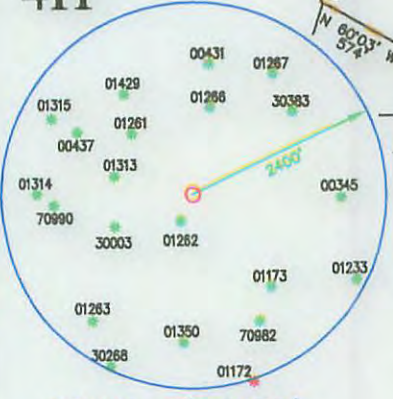


HACKETT 4H		
LEASE	LESSOR	MINERAL ACREAGE
1	DON E. CARDER et al.	111.000 ±
2	ALLEN & SHIRLEY COLE et al.	25.350 ±
3	ALLEN & SHIRLEY COLE et al.	1.440 ±
4	MARY & ROGER DRAIN et al.	3.820 ±
5	DOUGLAS S. DOLFIE et al.	140.000 ±
6	ALLEN & SHIRLEY COLE et al.	3.660 ±
7	MADONNA L. MATHENY et al.	26.460 ±
8	L.A. FERRARI ESTATE et al.	57.000 ±
9	D. & D. STALNAKER et al.	43.920 ±

State Plane Coord.
West Virginia North
NAD27

Top Hole Loc
(N) 352092.029
(E) 1758823.375

HACKETT 4H



SCALE: 1"=2400'

NOTES ON SURVEY:

1. TWO DWELLINGS WITHIN 625' WERE FOUND.
2. NO WATER WELLS OR DEVELOPED SPRINGS WITHIN 250' WERE FOUND.
3. TIES TO WELLS AND CORNERS ARE BASED ON STATE PLANE GRID WV NORTH ZONE NAD '83.
4. WELL ELEVATION ESTABLISHED BY DIRECT GPS NAVD88.
5. SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF MARION COUNTY IN JUNE OF 2015 AND INFORMATION PROVIDED BY XTO ENERGY INC. THIS DRAWING DOES NOT REPRESENT A FULL BOUNDARY SURVEY.
6. WELLS SHOWN ARE TAKEN FROM RECORDS OF WVDEP.
7. DWELLING A-1 IS 517' FROM CENTER OF PAD.
8. DWELLING B-1 IS 552' FROM CENTER OF PAD.

L1: N 15°58'32" E 465.89'
L2: S 80°28'28" E 378.93'
L3: S 30°32'31" E 444.27'

HACKETT 4H TOP HOLE
STATE PLANE COORDINATES NORTH ZONE-NAD 27 (N) 352092 (E) 1758823
L&L DECIMAL NAD 27 39.463552 -80.354235
UTM (NAD 83) ZONE 17 - METERS (N) 4368428 (E) 555568

LEGEND	HACKETT 4H TURNING POINT			REFERENCES
LEASE BOUNDARY	STATE PLANE COORD.	L&L DECIMAL	UTM (NAD 83)	I.PIN 1"=600'
SURFACE BOUNDARY	NORTH ZONE-NAD 27 (N) 352540 (E) 1758952	NAD 27 39.464785 -80.353796	ZONE 17 - METERS (N) 4368565 (E) 555604	
CREEK / STREAM	HACKETT 4H BOTTOM HOLE			I.PIN 284' #4H (TopHole) N 77°11' E
ROADS	STATE PLANE COORD.	L&L DECIMAL	UTM (NAD 83)	
PROPOSED LATERAL	NORTH ZONE-NAD 27 (N) 348562 (E) 1764194	NAD 27 39.454000 -80.335097	ZONE 17 - METERS (N) 4367380 (E) 557222	
500' LATERAL OFFSET				
EXISTING GAS WELL				
GROUNDWATER SOURCE / WATER SUPPLY				

TRI-COUNTY ENGINEERING, LLC 319 PAINTERSVILLE RD. HUNKER, PA 15639 TCE@TRICOUNTYENG.COM (724) 635-0210

FILE # XTO-OG61
DRAWING # OG61-23-4H
SCALE: 1"= 1200'
MINIMUM DEGREE OF ACCURACY: 1:2500
PROVEN SOURCE OF ELEVATION: DIRECT GPS

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 REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.

Signed: *Cynthia A. Born*
R.P.E.: _____ L.L.S.: 2135



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

WVDEP OFFICE OF OIL & GAS
601 57TH STREET
CHARLESTOWN, WV 25304

Well Type: Oil Waste Disposal Production
 Gas Liquid Injection Storage Shallow

WATERSHED: BINGAMON CREEK WATERSHED
COUNTY/DISTRICT: MARION CO. / LINCOLN & MANNINGTON DIST.
SURFACE OWNER: DON E CARDER
OIL & GAS ROYALTY OWNER: DON E CARDER

DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE
PLUG OFF OLD FORMATION PERFORATE NEW FORMATION PLUG & ABANDON
CLEAN OUT & REPLUG OTHER CHANGE (SPECIFY): _____

TARGET FORMATION: MARCELLUS
ESTIMATED DEPTH: 7,590'/14,000'

WELL OPERATOR: XTO ENERGY INC.
Address: 810 HOUSTON STREET
City: FORT WORTH State: TX Zip Code: 76102

DESIGNATED AGENT: GARY BEALL
Address: P.O. BOX 1008
City: JANE LEW State: WV Zip Code: 26378

DATE: 8/27/2015 PLACE SEAL HERE
OPERATOR'S WELL #: HACKETT 4H
API WELL #: 47 49 02410 WVA
STATE COUNTY PERMIT
ELEVATION: 1376' (PROPOSED GRADE)
QUADRANGLE: SHINNSTON 7.5
ACREAGE: 207.16
ACREAGE: 111.00

04902410

○	WATER SUPPLY - WATER WELL
●	WATER SUPPLY - SPRING

MANNINGTON

NOTE: THIS PLAT IS FOR WELL LOCATION PURPOSES ONLY AND DOES NOT REPRESENT A COMPLETE BOUNDARY SURVEY. CORNERS AND LINES PERTINENT TO LOCATING THE PROPOSED WELL ARE FROM FIELD SURVEY. OTHER LINES AND FEATURES SHOWN ARE FROM TAX MAPS AND/OR DEEDS. THE INFORMATION PRESENTED SHOULD NOT BE UTILIZED FOR ANY OTHER PURPOSES. THIS PROPERTY IS SUBJECT TO ANY EASEMENTS, RIGHT-OF-WAY AND/OR ENCUMBRANCES BOTH APPARENT AND OF RECORD. NO TITLE SEARCH HAS BEEN MADE IN PREPARATION OF THIS WELL PLAT.

NOTE: ALL PROPERTY OWNER AND DEED REFERENCE INFORMATION SHOWN SHALL BE PREFACED BY "N/F" (NOW OR FORMERLY).

NOTE: MUNICIPAL BOUNDARY LINES, IF SHOWN ARE TAKEN FROM COUNTY TAX MAPS.

UTM NAD83
N: 4368355.541
E: 555521.874
PAD ENTRANCE


ACCESS ROAD
ENTRANCE
UTM NAD83
N: 4365765.096
E: 554080.688

HACKETT UNIT 4H
LAT: 39°27'49.09"
LON: 80°21'14.56"

NOTE: DRAWING IS ON 11" X 17" PAPER

REVISED	COMMENTS

TRI - COUNTY ENGINEERING, LLC
319 PAINTERSVILLE ROAD
HUNKER, PA 15639
VOICE: 724 / 635-0210 FAX: 724 / 635-0676



HACKETT UNIT 4H
WATER OVERALL
XTO ENERGY INC.

DATE: 8/12/15
MANNINGTON TOWNSHIP
MARION COUNTY, WEST VIRGINIA

SCALE: 1" = 1000' SHEET 1 FILE NO. XTO57-10