

# HUGHES

## 5H

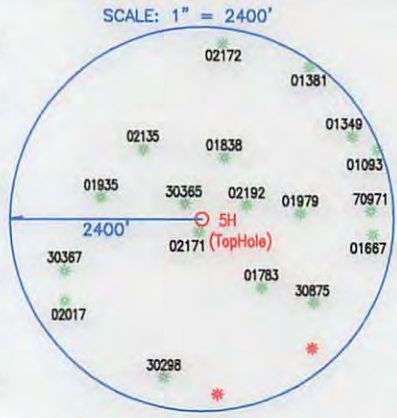
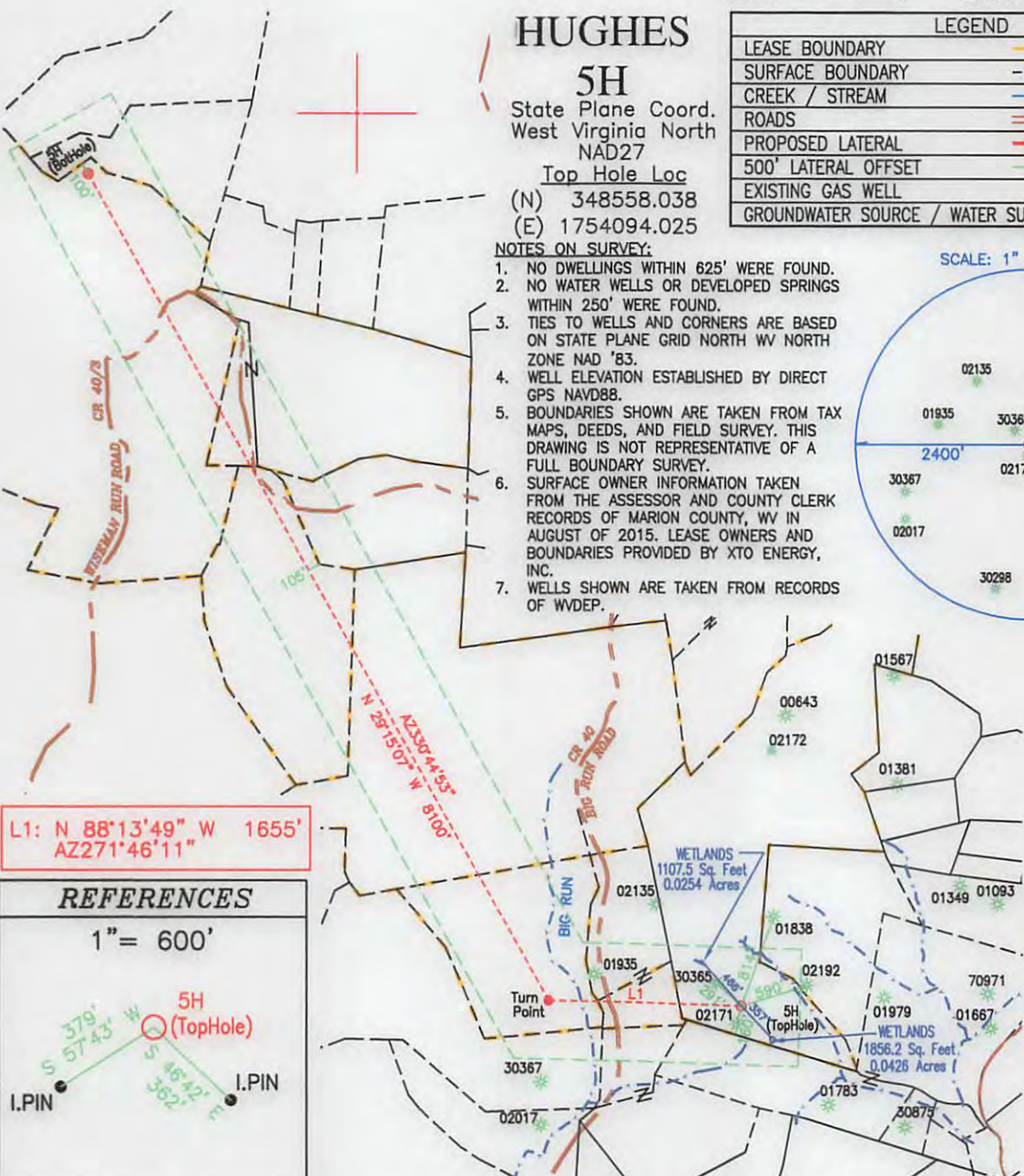
State Plane Coord.  
West Virginia North  
NAD27

Top Hole Loc  
(N) 348558.038  
(E) 1754094.025

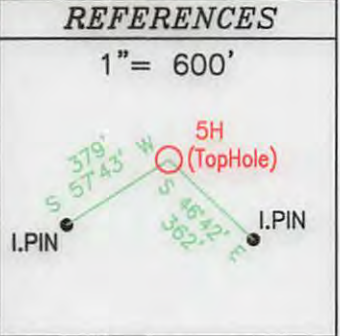
### NOTES ON SURVEY:

1. NO 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 NORTH WV NORTH ZONE NAD '83.
4. WELL ELEVATION ESTABLISHED BY DIRECT GPS NAVD88.
5. BOUNDARIES SHOWN ARE TAKEN FROM TAX MAPS, DEEDS, AND FIELD SURVEY. THIS DRAWING IS NOT REPRESENTATIVE OF A FULL BOUNDARY SURVEY.
6. SURFACE OWNER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF MARION COUNTY, WV IN AUGUST OF 2015. LEASE OWNERS AND BOUNDARIES PROVIDED BY XTO ENERGY, INC.
7. WELLS SHOWN ARE TAKEN FROM RECORDS OF WVDEP.

LEGEND	
LEASE BOUNDARY	
SURFACE BOUNDARY	
CREEK / STREAM	
ROADS	
PROPOSED LATERAL	
500' LATERAL OFFSET	
EXISTING GAS WELL	
GROUNDWATER SOURCE / WATER SUPPLY	



L1: N 88°13'49" W 1655'  
AZ271°46'11"



FILE # XTO-OG57  
 DRAWING # OG57-11-5H  
 SCALE: 1" = 1500'  
 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**



DATE: 8/27/2015 PLACE SEAL HERE  
 OPERATOR'S WELL #: HUGHES 5H  
 API WELL #: 47 49 02404 H6A  
 STATE COUNTY PERMIT

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

WATERSHED: BINGAMON CREEK WATERSHED ELEVATION: 1286' (PROPOSED GRADE)  
 COUNTY/DISTRICT: MARION / MANNINGTON QUADRANGLE (THL) SHINNSTON 7.5'  
 SURFACE OWNER FAYE C. ROCKWELL ACREAGE 107.50  
 OIL & GAS ROYALTY OWNER: BEVERLY & DAN M. KELLY et al. ACREAGE 107.23/2015

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: 7,490'/16,550'

WELL OPERATOR XTO ENERGY INC. DESIGNATED AGENT GARY BEALL  
 Address 810 HOUSTON STREET Address P.O. BOX 1008  
 City FORT WORTH State TX Zip Code 76102 City JANE LEW State WV Zip Code 26378



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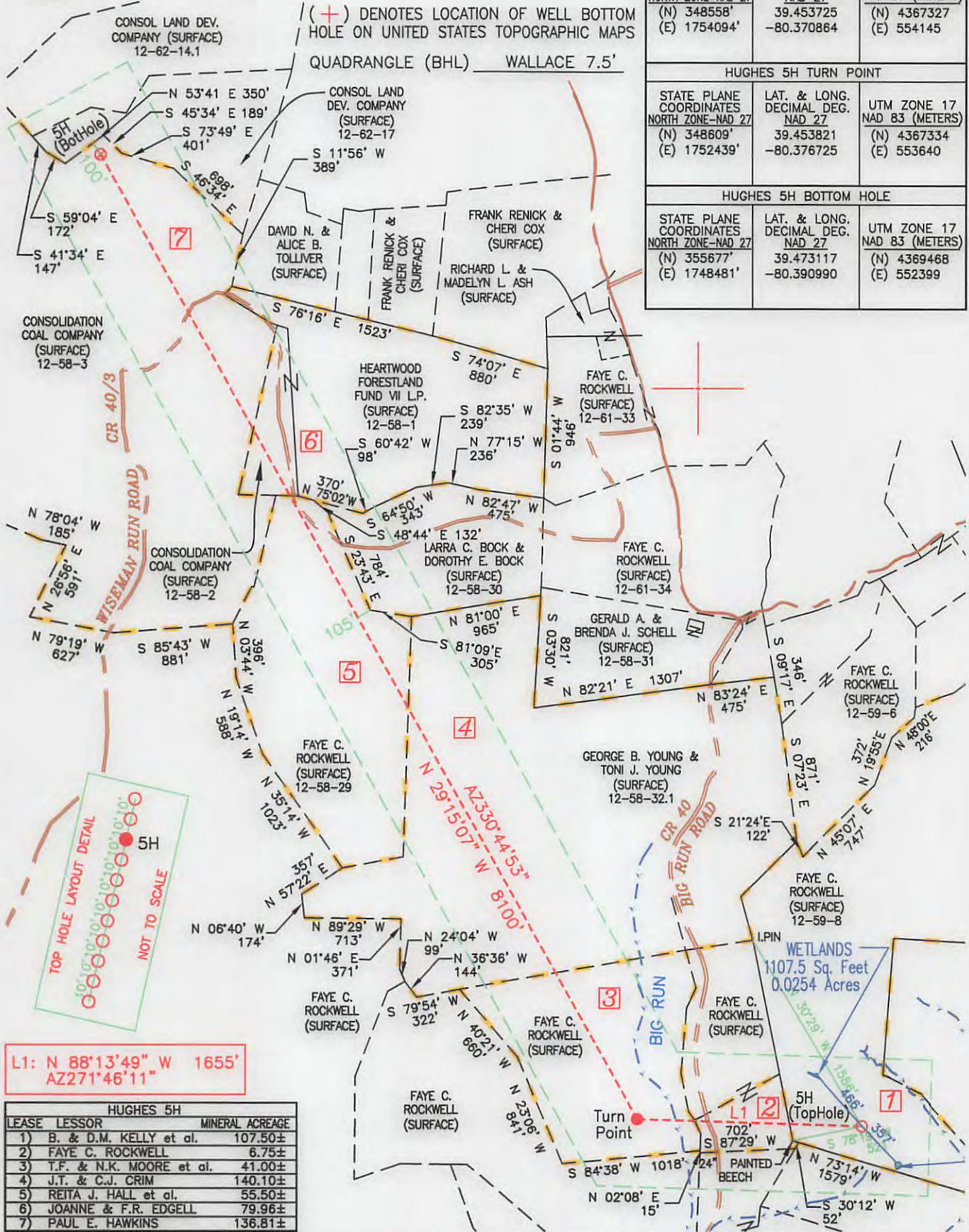
State Plane Coord.  
West Virginia North  
NAD27

Top Hole Loc  
(N) 348558.038  
(E) 1754094.025

LEGEND	
LEASE BOUNDARY	— — — — —
SURFACE BOUNDARY	- - - - -
CREEK / STREAM	~ ~ ~ ~ ~
ROADS	— — — — —
PROPOSED LATERAL	- - - - -
500' LATERAL OFFSET	- - - - -
EXISTING GAS WELL	⊛
GROUNDWATER SOURCE / WATER SUPPLY	⊕

HUGHES 5H TOP HOLE		
STATE PLANE COORDINATES NORTH ZONE-NAD 27 (N) 348558' (E) 1754094'	LAT. & LONG. DECIMAL DEG. NAD 27 39.453725 -80.370864	UTM ZONE 17 NAD 83 (METERS) (N) 4367327 (E) 554145
HUGHES 5H TURN POINT		
STATE PLANE COORDINATES NORTH ZONE-NAD 27 (N) 348609' (E) 1752439'	LAT. & LONG. DECIMAL DEG. NAD 27 39.453821 -80.376725	UTM ZONE 17 NAD 83 (METERS) (N) 4367334 (E) 553640
HUGHES 5H BOTTOM HOLE		
STATE PLANE COORDINATES NORTH ZONE-NAD 27 (N) 355677' (E) 1748481'	LAT. & LONG. DECIMAL DEG. NAD 27 39.473117 -80.390990	UTM ZONE 17 NAD 83 (METERS) (N) 4369468 (E) 552399

(+) DENOTES LOCATION OF WELL BOTTOM HOLE ON UNITED STATES TOPOGRAPHIC MAPS  
QUADRANGLE (BHL) WALLACE 7.5'

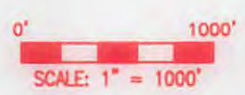


L1: N 88°13'49" W 1655'  
AZ271°46'11"

HUGHES 5H		
LEASE LESSOR	MINERAL ACREAGE	
1) B. & D.M. KELLY et al.	107.50±	
2) FAYE C. ROCKWELL	6.75±	
3) T.F. & N.K. MOORE et al.	41.00±	
4) J.T. & C.J. CRIM	140.10±	
5) REITA J. HALL et al.	55.50±	
6) JOANNE & F.R. EDGELL	79.96±	
7) PAUL E. HAWKINS	136.81±	



**XTO ENERGY**  
810 HOUSTON STREET  
FORT WORTH, TX 76102



Voice: (724) 635-0210

**TRI-COUNTY ENGINEERING, LLC**  
An ENERCON Company  
319 Paintersville Road  
Hunker, PA 15639  
www.tricountyeng.com

10/23/2015  
Fax: (724) 635-0876

Excellence-Every project. Every day.

SUPPLEMENTAL SURFACE & LESSOR EXHIBIT	
HUGHES 5H	
DRAWN BY: NJP	MANNINGTON DISTRICT, MARION COUNTY, WEST VIRGINIA
DATE: 8/27/2015	SHEET: FILE NO.
SCALE: 1"=1000'	2 OF 2 OG57-11