

# HAYS #5H

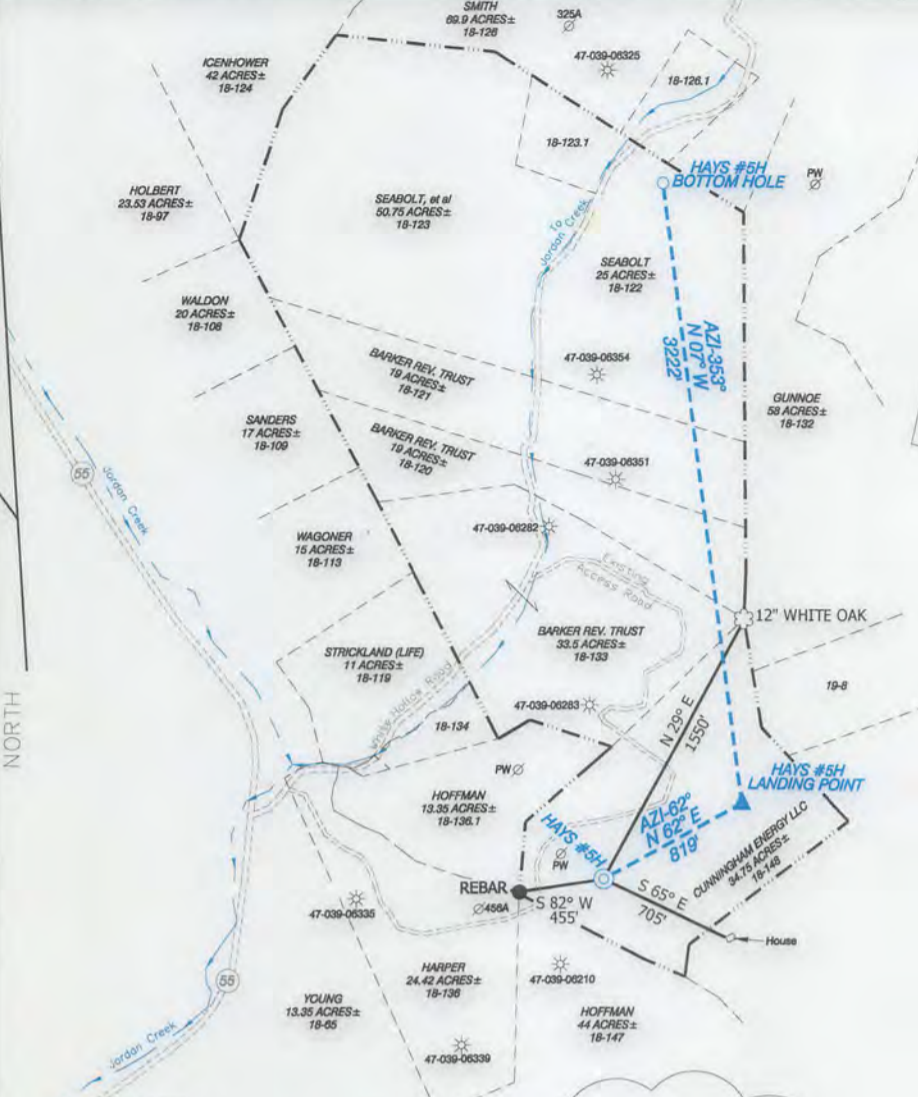
HAYS #5H SURFACE HOLE		
WV STATE PLANE COORDINATES	L & L DECIMAL	UTM (NAD 83) ZONE 17 METERS
SOUTH ZONE -NAD 27	NAD 27	4259635
(N) 540716	38.48433	4259635
(E) 1890392	81.38291	466617

03/01/2019



HAYS #5H LANDING POINT		
STATE PLANE COORDINATES	L & L DECIMAL	UTM (NAD 83) ZONE 17 METERS
NORTH ZONE -NAD 27	NAD 27	4259753
(N) 541105	38.48541	4259753
(E) 1891113	81.38040	466837

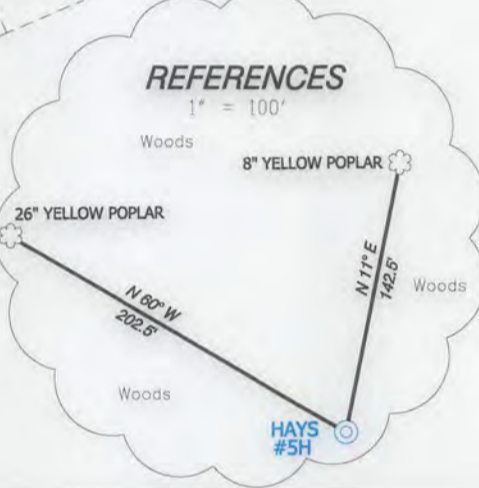
HAYS #5H BOTTOM HOLE		
STATE PLANE COORDINATES	L & L DECIMAL	UTM (NAD 83) ZONE 17 METERS
NORTH ZONE -NAD 27	NAD 27	4260727
(N) 544300	38.49417	4260727
(E) 1890692	81.38192	466709



**LINE LEGEND**

LEASE BOUNDARY	---
SURFACE BOUNDARY	---
CREEK/STREAM	---
ROADS	---
PROPOSED LATERAL	---
SURVEYED LINE	---

- NOTES ON SURVEY**
- NO WATER WELLS OR DEVELOPED SPRINGS WITHIN 250' WERE FOUND.
  - TIES TO WELLS AND CORNERS ARE BASED ON STATE PLANE GRID NORTH WV SOUTH ZONE NAD '27.
  - WELL LAT./LONG. ESTABLISHED BY DGPS (SUB-METER GRADE).
  - SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF KANAWHA COUNTY IN NOVEMBER, 2018 AND INFORMATION PROVIDED BY CUNNINGHAM ENERGY, LLC.
  - WELLS SHOWN ARE TAKEN FROM RECORDS OF WDPEP.



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 RULES ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.

P.S. 834  
  
**DOYLE HUPP JR.**  
 CHUPP Surveying & Mapping  
 P.O. Box 647 Grantsville, WV 26147  
 (304) 354-7035 EMAIL: hupp@frontiernet.net



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.  
 DATE JANUARY 30, 20 19  
 OPERATORS WELL NO. HAYS #5H  
 API WELL NO. 47-039-06392 H  
 STATE WV COUNTY PUTNAM PERMIT 06392 H

MINIMUM DEGREE OF ACCURACY 1/200 FILE NO. W2637 (BK 92-78)  
 PROVEN SOURCE OF ELEVATION DGPS (SUBMETER GRADE) SCALE 1" = 1000'

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 :  
 ELEVATION 883' WATERSHED ELK RIVER  
 DISTRICT BIG SANDY COUNTY KANAWHA QUADRANGLE BLUE CREEK 7.5'

SURFACE OWNER CUNNINGHAM ENERGY, LLC ACREAGE 34.75±  
 ROYALTY OWNER HAYS HEIRS, et al LEASE ACREAGE 187.0±

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 WEIR  
 ESTIMATED DEPTH TVD-2000' MD-6040'

WELL OPERATOR CUNNINGHAM ENERGY, LLC. DESIGNATED AGENT RYAN CUNNINGHAM  
 ADDRESS 3230 PENNSYLVANIA AVE. CHARLESTON, WV 25302 ADDRESS 3230 PENNSYLVANIA AVE. CHARLESTON, WV 25302

LONGITUDE 81°22'30" LAT. 38°29'03.6" COUNTY NAME PERMIT



# Cunningham Energy, LLC. Hays #5H



### HUPP Surveying & Mapping

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1" = 1000'  
Blue Creek Quad

Cunningham Energy, LLC.  
3230 Pennsylvania Ave.  
Charleston, WV 25302