

HAYS #3H

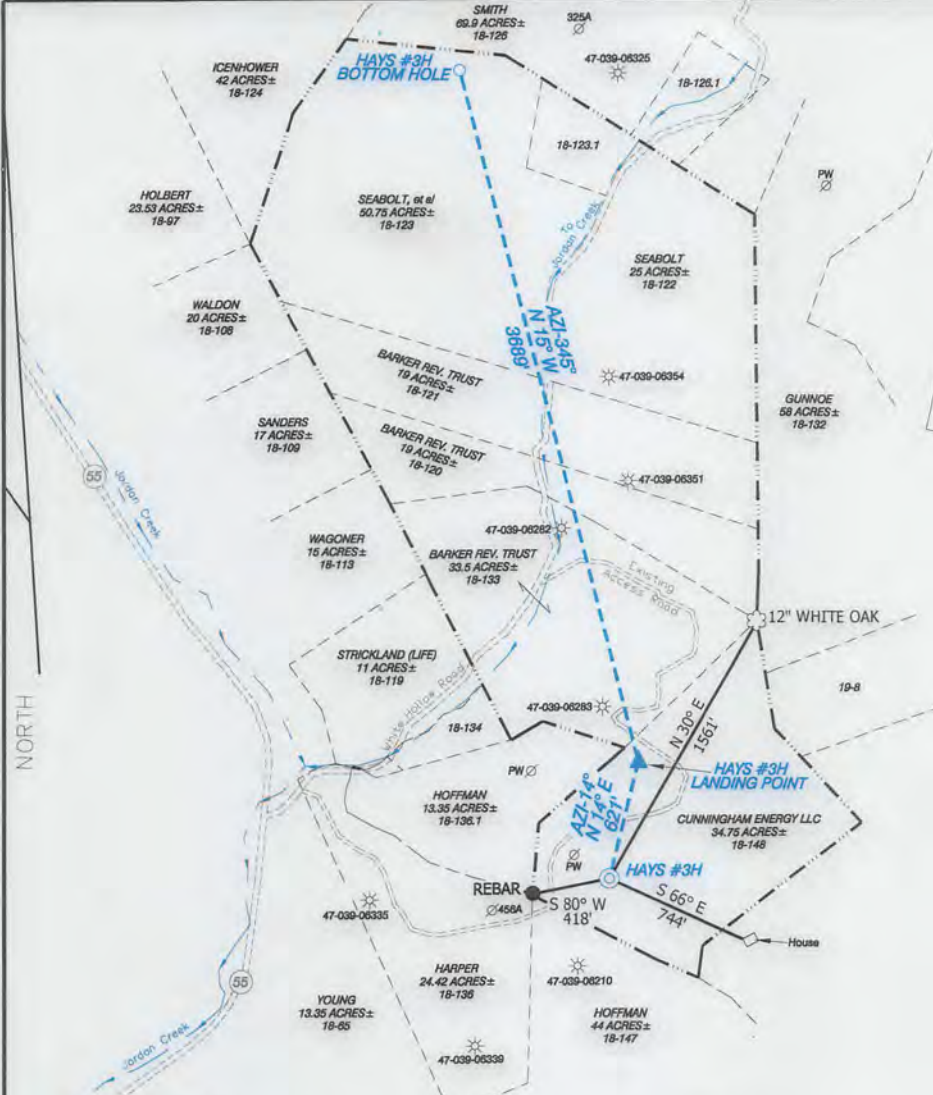
HAYS #3H SURFACE HOLE		
WV STATE PLANE COORDINATES	L & L DECIMAL	UTM (NAD 83) ZONE 17 METERS
SOUTH ZONE -NAD 27	NAD 27	4259637
(N) 540724	36.48435	466605
(E) 1890353	81.38305	

03/01/2019



HAYS #3H LANDING POINT		
STATE PLANE COORDINATES	L & L DECIMAL	UTM (NAD 83) ZONE 17 METERS
SOUTH ZONE -NAD 27	NAD 27	4259821
(N) 541327	38.49601	468652
(E) 1890504	81.38253	

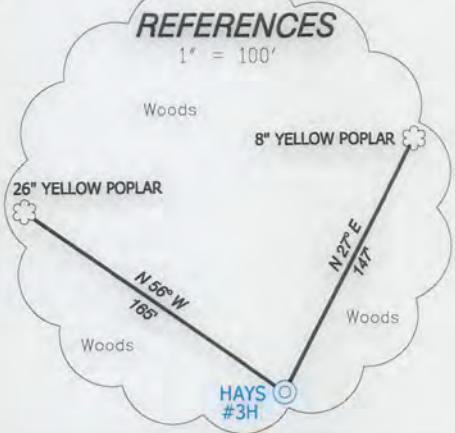
HAYS #3H BOTTOM HOLE		
STATE PLANE COORDINATES	L & L DECIMAL	UTM (NAD 83) ZONE 17 METERS
NORTH ZONE -NAD 27	NAD 27	4260909
(N) 544899	38.49580	468370
(E) 1899580	81.38581	



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 WDEP.



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.



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.
 DATE JANUARY 30, 2019
 OPERATORS WELL NO. HAYS #3H
 API WELL NO. 47-039-06390H
 STATE COUNTY PERMIT

P.S. 834
 Hupp J.
 Hupp Surveying & Mapping
 P.O. Box 647 Grantsville, WV 26147
 (304) 354-7035 EMAIL: hupp@frontiernet.net

MINIMUM DEGREE OF ACCURACY 1/200 FILE NO. W2637 (BK 92-24)
 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 157.0±
 PROPOSED WORK : LEASE NO. _____

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-6310'

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

COUNTY NAME
 PERMIT

Cunningham Energy, LLC. Hays #3H



NORTH

HUPP Surveying & Mapping

P.O. BOX 647 GRANTSVILLE, WV 26147
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1" = 1000'
Blue Creek Quad

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