

HAYS #10H

HAYS #10H SURFACE HOLE		
WV STATE PLANE COORDINATES	L & L DECIMAL	UTM (NAD 83) ZONE 17 METERS
SOUTH ZONE -NAD 27	NAD 27	
(N) 540696	38.48427	4259629
(E) 1890388	81.38293	468618



HAYS #10H LANDING POINT		
STATE PLANE COORDINATES	L & L DECIMAL	UTM (NAD 83) ZONE 17 METERS
SOUTH ZONE -NAD 27	NAD 27	
(N) 540572	38.48395	4259591
(E) 1881645	81.37853	468999

HAYS #10H BOTTOM HOLE		
STATE PLANE COORDINATES	L & L DECIMAL	UTM (NAD 83) ZONE 17 METERS
SOUTH ZONE -NAD 27	NAD 27	
(N) 537899	38.47662	4259776
(E) 1882553	81.37533	467278

LINE LEGEND

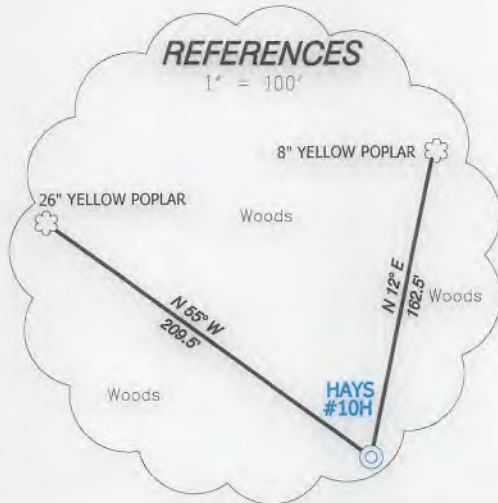
LEASE BOUNDARY	---
SURFACE BOUNDARY	---
CREEK/STREAM	---
ROADS	---
PROPOSED LATERAL	---
SURVEYED LINE	---

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 WVDEP.

REFERENCES

1" = 100'



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

[Signature]
HUPP 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 MARCH 4, 20 19

OPERATORS WELL NO. HAYS #10H

API WELL NO. 47-039-06394H

STATE 47 COUNTY 039 PERMIT 06394H

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 880' 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 91.23±

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-6090'

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°29'03.4"

COUNTY NAME

PERMIT