

# DUNHAM LEASE DUNHAM 5H

**BOTTOM HOLE  
DUNHAM 5H  
STATE PLANE COORDINATES  
NORTH ZONE (NAD 27)**

N. 308,646  
E. 1,819,133

LAT=(N) 39.34565  
LONG=(W) 80.13954

**UTM (NAD'83)(METERS)**

N. 4,355,498  
E. 574,163

**LANDING POINT  
DUNHAM 5H  
STATE PLANE COORDINATES  
NORTH ZONE (NAD 27)**

N. 306,285  
E. 1,822,559

LAT=(N) 39.33923  
LONG=(W) 80.12736

**UTM (NAD'83)(METERS)**

N. 4,354,796  
E. 575,218

LATITUDE 39° 22' 30"

A	ROY R. BAUER ET AL	1 ACRE±	TM 12-72.1
B	EVA HURSEY ET AL	0.65 ACRES±	TM 12-73
C	PAUL J. TENNANT	0.33 ACRES±	TM 12-73.1
D	PAUL J. TENNANT	0.04 ACRES±	TM 12-73.2
E	MITCHELL C. DUNHAM	0.40 ACRES±	TM 15-84
F	RONALD & JENNY CARGER	6 ACRES±	TM 12-71.4
G	RICHARD N. GLASPELL	1.26 ACRES±	TM 15-66.1
H	PAUL J. TENNANT	0.447 ACRES±	TM 12-73.4
I	MARY ANN BOYLES	0.35 ACRES±	TM 12-173.5

**DUNHAM 5H  
STATE PLANE COORDINATES  
NORTH ZONE (NAD 27)**

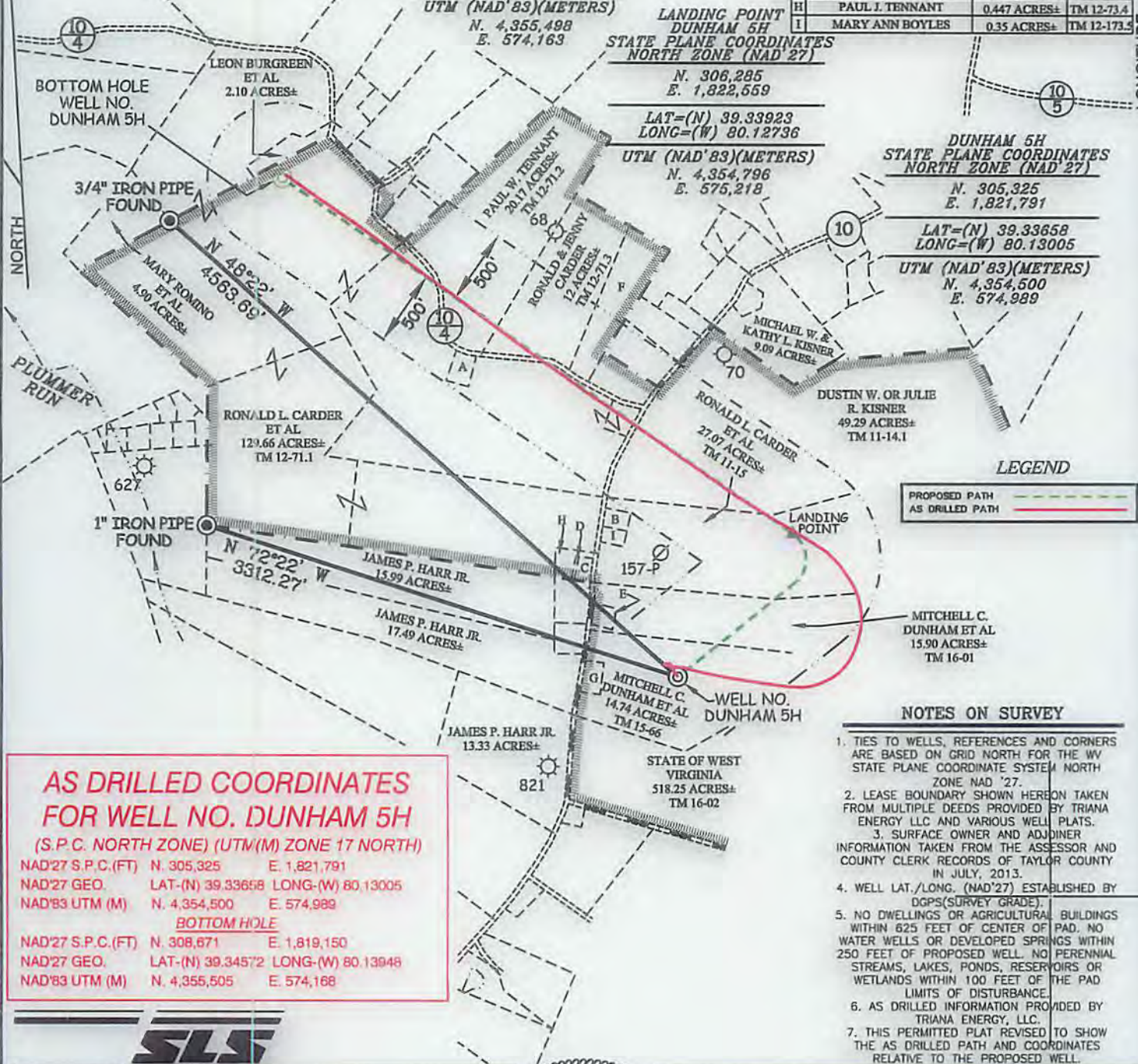
N. 305,325  
E. 1,821,791

LAT=(N) 39.33658  
LONG=(W) 80.13005

**UTM (NAD'83)(METERS)**

N. 4,354,500  
E. 574,989

LONGITUDE 80° 07' 30"



**AS DRILLED COORDINATES  
FOR WELL NO. DUNHAM 5H  
(S.P.C. NORTH ZONE) (UTM(M) ZONE 17 NORTH)**

NAD'27 S.P.C.(FT)	N. 305,325	E. 1,821,791
NAD'27 GEO.	LAT=(N) 39.33658	LONG=(W) 80.13005
NAD'83 UTM (M)	N. 4,354,500	E. 574,989

**BOTTOM HOLE**

NAD'27 S.P.C.(FT)	N. 308,671	E. 1,819,150
NAD'27 GEO.	LAT=(N) 39.34572	LONG=(W) 80.13948
NAD'83 UTM (M)	N. 4,355,505	E. 574,168

**NOTES ON SURVEY**

1. TIES TO WELLS, REFERENCES AND CORNERS ARE BASED ON GRID NORTH FOR THE WV STATE PLANE COORDINATE SYSTEM NORTH ZONE NAD '27.
2. LEASE BOUNDARY SHOWN HEREON TAKEN FROM MULTIPLE DEEDS PROVIDED BY TRIANA ENERGY LLC AND VARIOUS WELL PLATS.
3. SURFACE OWNER AND ADJINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF TAYLOR COUNTY IN JULY, 2013.
4. WELL LAT./LONG. (NAD'27) ESTABLISHED BY DGPS(SURVEY GRADE).
5. NO DWELLINGS OR AGRICULTURAL BUILDINGS WITHIN 625 FEET OF CENTER OF PAD. NO WATER WELLS OR DEVELOPED SPRINGS WITHIN 250 FEET OF PROPOSED WELL. NO PERENNIAL STREAMS, LAKES, PONDS, RESERVOIRS OR WETLANDS WITHIN 100 FEET OF THE PAD LIMITS OF DISTURBANCE.
6. AS DRILLED INFORMATION PROVIDED BY TRIANA ENERGY, LLC.
7. THIS PERMITTED PLAT REVISED TO SHOW THE AS DRILLED PATH AND COORDINATES RELATIVE TO THE PROPOSED WELL.



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 REGULATIONS ISSUED AND PRESCRIBED BY THE DIVISION OF ENVIRONMENTAL PROTECTION.



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.  
 DATE DECEMBER 17, 20 13  
 REVISED JULY 29, 20 15  
 OPERATORS WELL NO. DUNHAM 5H  
 API WELL NO. 47 - 091 - 01292H  
 STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 7754AD5H  
 PROVEN SOURCE OF ELEVATION DGPS (SURVEY GRADE GPS TIES TO COORS) 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 1,420' WATERSHED TRIBUTARY OF LOST RUN  
 DISTRICT BOOTH'S CREEK COUNTY TAYLOR QUADRANGLE ROSEMONT 7.5'

SURFACE OWNER MITCHELL DUNHAM ET AL ACREAGE 14.74±

ROYALTY OWNER MITCHELL DUNHAM ET AL (14.74 & 15.90 AC±) / RONALD L. CARGER (27.07, 0.04, 0.33, 129.66, 12 & 6 AC±) / PAUL W. TENNANT ET AL (0.447 AC±) / MARY ANN BOYLES (0.35 AC±) / DUSTIN W. OR JULIE R. KISNER ET AL (49.29 AC±) / PAUL J. TENNANT (0.447 AC±) / MITCHELL CARL DUNHAM (0.4 AC±)

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 MARCELLUS  
 ESTIMATED DEPTH TVD 7,800' / TMD

WELL OPERATOR TRIANA ENERGY, L.L.C. DESIGNATED AGENT RACHELLE A. KING  
 ADDRESS 900 VIRGINIA STREET EAST, SUITE 400 CHARLESTON, WV 25301 ADDRESS 900 VIRGINIA STREET EAST, SUITE 400 CHARLESTON, WV 25301

11/06/2015

COUNTY NAME  
PERMIT