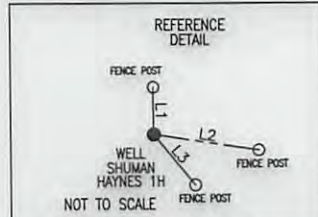


Well is located on topo map 948 feet south of Latitude: 39° 37' 30"

Well is located on topo map 8.112 feet west of Longitude: 80° 37' 30"

MAP	PARCEL	SURFACE OWNER
13	8	PATRICK L. MORRIS
13	13	PHILLIP J. MORRIS
13	24	JUNE POSTLETHWAIT
13	25	LEONARD FORDYCE
13	33	EARL & MARY HUGGINS
13	33.2	SHUMAN E. HAYNES
13	47	JOHN A. HAYNES
17	4	SHUMAN E. HAYNES
17	5	SHUMAN E. HAYNES

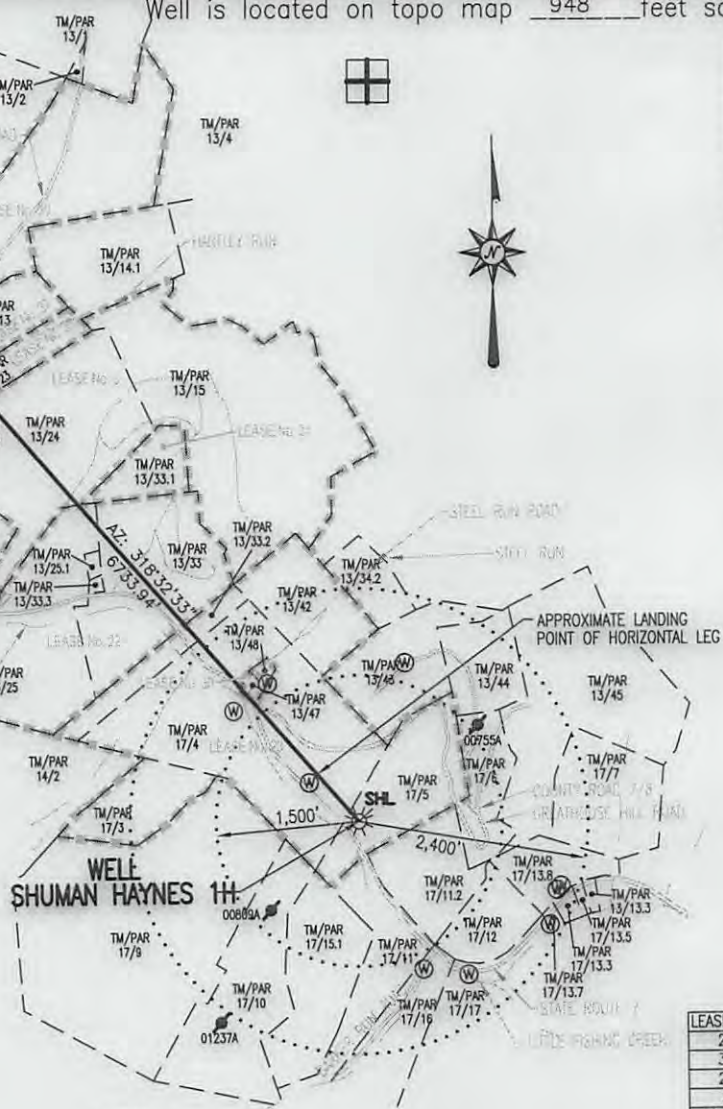


LINE	BEARING	DISTANCE
L1	N 00°24'41" W	243.08'
L2	S 81°20'00" E	555.42'
L3	S 39°42'02" E	339.37'

**LEGEND**

- ⊕ - TOPO MAP POINT
- ⊙ - PROPOSED GAS WELL
- - ALL ARE POINTS UNLESS OTHERWISE NOTED.
- ⊙ - WATER SOURCE
- - LEASE BOUNDARY
- - - - - PARCEL LINES
- - - - - WELL REFERENCE
- - - - - PROPOSED HORIZONTAL WELL
- - — - - ROAD
- - — - - STREAM CENTER LINE
- WELLS WITHIN 2,400'
- - EXISTING WELLS
- ⊙ - PLUGGED WELLS

LEASE NO.	AC.	GAS ROYALTY OWNER
23	144.41	SHUMAN HAYNES
30	2.0938	JOHN A. HAYNES
22	99.25	CAROLYN SUE & JOHN C. HEIMLICH, et al
3	45.625	ROCK CAMP, et al
36, 37	46.5	JANICE L. WHIPKEY
39	77.37	DRILLING APPALACHIAN CORPORATION,



- NOTES:**
- There are no water wells or developed springs within 250' of proposed well.
  - There are no existing buildings within 625' of proposed well.
  - Proposed well is greater than 100' from perennial stream, wetland, pond, reservoir or lake.
  - There are no native trout streams within 300' of proposed well.
  - Proposed well is greater than 1000' from surface/groundwater intake or public water supply.
  - It is not the purpose or intention of this plat to represent surveyed locations of the surface or mineral parcels depicted hereon. The location of the boundary lines, as shown, are based on record deed descriptions, field evidence found and/or tax map position, unless otherwise noted.

BOTTOM HOLE LOCATION (BHL)	APPROX. LANDING POINT	SURFACE HOLE LOCATION (SHL)
UTM 17-NAD83 N:4387586.71 E:528196.23 LAT/LON DATUM-WGS84 LAT:39°38'14.70" LON:80°40'17.07"	UTM 17-NAD83 N:4386051.87 E:529580.16 LAT/LON DATUM-WGS84 LAT:39°37'25.39" LON:80°39'19.26"	UTM 17-NAD83 N:4385905.65 E:529713.75 LAT/LON DATUM-WGS84 LAT: 39°37'20.63" LON: 80°39'13.68"

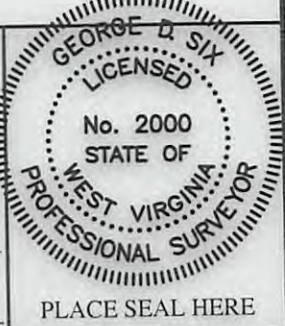


**Blue Mountain Engineering**  
 11023 MASON DIXON HIGHWAY  
 BURTON, WV 26562  
 PHONE: (304) 662-6486

FILE #: SHUMAN HAYNES 1H  
 DRAWING #: SHUMAN HAYNES 1H  
 SCALE: 1" = 2000'  
 MINIMUM DEGREE OF ACCURACY: 1/2500  
 PROVEN SOURCE OF ELEVATION: U.S.G.S. MONUMENT THOMAS 1498.81'

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 DEPARTMENT OF ENVIRONMENTAL PROTECTION.

Signed: [Signature]  
 R.P.E.: \_\_\_\_\_ L.L.S.: P.S. No. 2000



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS WVDEP  
 OFFICE OF OIL & GAS  
 601 57TH STREET  
 CHARLESTON, WV 25304

DATE: JULY 26, 2013  
 OPERATOR'S WELL #: SHUMAN HAYNES 1H  
 API WELL #: 47 103 02936 H5A  
 STATE COUNTY PERMIT

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

WATERSHED: LITTLE FISHING CREEK ELEVATION: 842.00'  
 COUNTY/DISTRICT: WETZEL/CENTER QUADRANGLE: PINE GROVE, WV 7.5'  
 SURFACE OWNER: SHUMAN HAYNES ACREAGE: 27.50±  
 OIL & GAS ROYALTY OWNER: SEE ABOVE CHART ACREAGE: 415.2488±

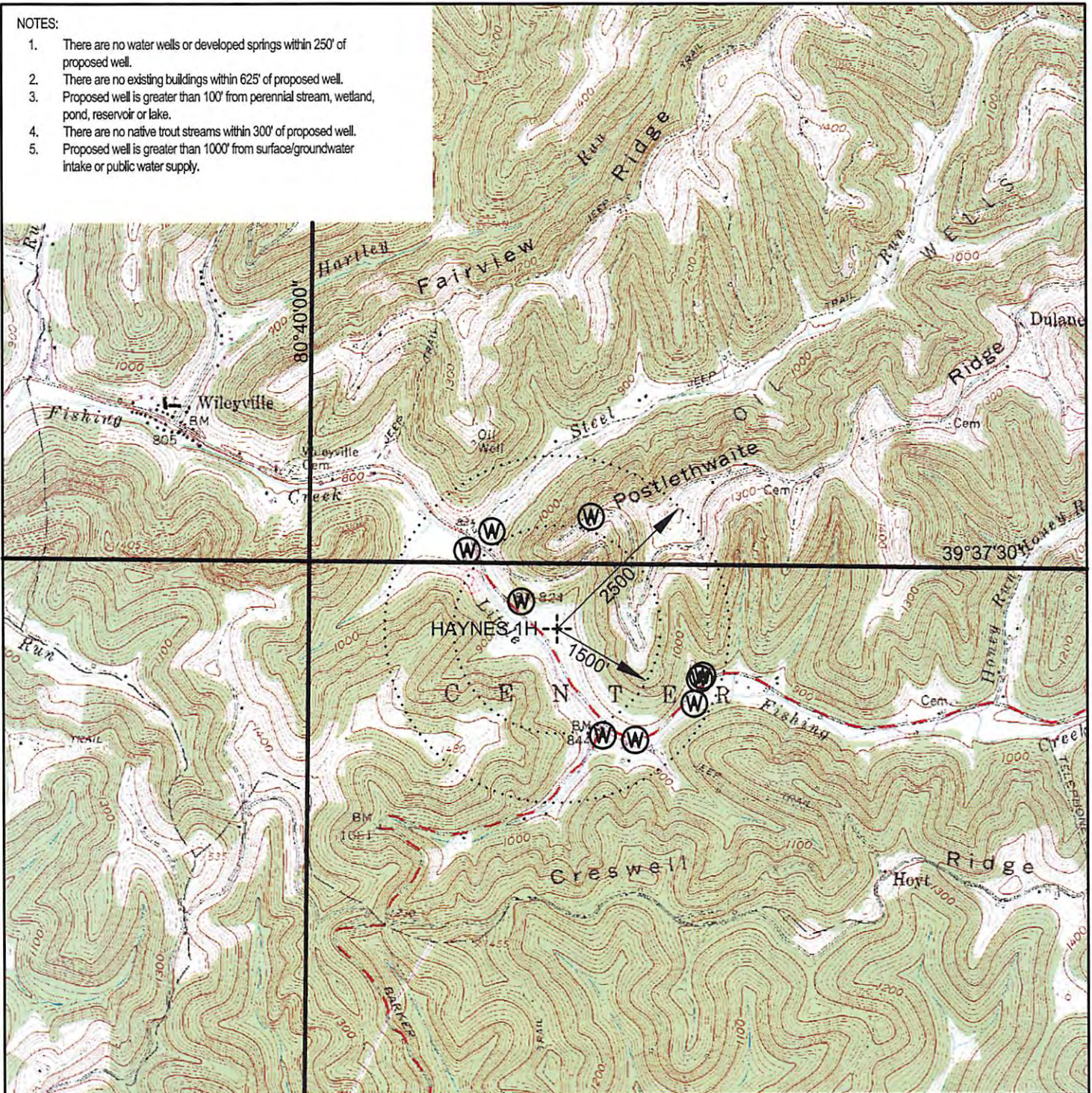
DRILL  CONVERT  DRILL DEEPER  REDRILL  FRACTURE OR STIMULATE   
 PLUG OFF OLD FORMATION  PERFORATE NEW FORMATION  PLUG & ABANDON   
 CLEAN OUT & REPLUG  OTHER CHANGE  (SPECIFY): \_\_\_\_\_

TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: TVD: 6,974'± TMD: 14,500'±  
 WELL OPERATOR DAC ENERGY, LLC DESIGNATED AGENT KENNETH R. MASON  
 Address P.O. BOX 99 Address P.O. BOX 99  
 City ALMA State WV Zip Code 26320 City ALMA State WV Zip Code 26320

11/15/2013

NOTES:

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**BLUE MOUNTAIN ENGINEERING**

11023 MASON DIXON HIGHWAY  
BURTON, WV 26562-9656



PREPARED FOR:

DAC ENERGY, LLC  
C.R. 18/7  
ALMA, WV 26320

LEGEND

- WATER PURVEYOR
- EXISTING WELLS

**HAYNES 1H  
LOCATION MAP  
WETZEL COUNTY  
CENTER DISTRICT  
WEST VIRGINIA**

TOPO QUAD: PINE GROVE, WV

SCALE: 1" = 2000'

DATE: JULY 19, 2013