

**DESCRIPTION OF A 12.13 ACRE TRACT**

Situated in Fraction 12, Section 9, T.5, R.12, Carthage Township, Athens County, Ohio and being a part of a tract of land as described in Official Records Volume 469, Page 7 and being more particularly described as follows:

Beginning at an iron pin found in the North Right of Way line of Township Road 117, said pin bears South 88 degrees 51 minutes 49 seconds East, 345.85 feet and South 01 degrees 08 minutes 11 seconds West, 1024.05 feet from the North-west corner of Fraction 12;

Thence, along new lines created by this survey that run through Grantor's tract:

N 60° 37' 03" E, 174.08 feet to an iron pin set;

S 88° 28' 38" E, 408.86 feet to an iron pin set;

N 77° 58' 16" E, 297.59 feet to an iron pin set;

S 77° 25' 22" E, 545.32 feet to an iron pin set;

S 28° 31' 33" W, 456.34 feet to an iron pin set;

S 88° 28' 49" W, 674.19 feet to an iron pin set;

S 35° 46' 49" W, 34.07 feet to a rail-road spike set in the North right of Way line of Township Road 117;

Thence, along said right of way:

N 49° 54' 25" W, 346.95 feet;

N 45° 10' 41" W, 291.10 feet to the point of beginning and containing 12.13 acres.

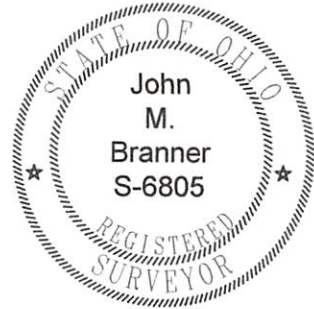
Subject to all easements and rights of way of record.

Iron pins set are 5/8 inch by 30 inch long rebar with plastic I.D. cap stamped Branner P.S. 6805

Bearings are Grid North N.A. D. 83

The above description is based on a field survey completed May 2012 by John M. Branner P.S. 6805

*John M. Branner*



Description Approved  
Jill A. Thompson  
Athens County Auditor  
5/9/12

Description Checked for  
Mathematical Accuracy  
Athens County  
ENGINEER'S OFFICE  
BY: *S. Blausen*  
DATE: 5-9-12

N.W. Cor. of  
Fraction 12

N 88° 51' 49" W 990.27'

N 54° 33' 20" E  
1126.89'

Description Checked for  
Mathematical Accuracy  
Athens County  
ENGINEER'S OFFICE  
BY: S. Blouse  
DATE: 5-9-12

P.O.B. bears  
S 88° 51' 49" E, 345.85'  
S 1° 08' 11" W, 1024.05'  
from N. W. Cor. of  
Fraction 12

HYDROCARBON MINERALS II LLC  
OIL & GAS MINERAL FUND

O.R. 469 -7

N 23° 24' 34" W  
247.88' R/W  
P.O.B.

N 60° 37' 03" E  
174.08'

S 88° 28' 38" E  
408.86'

N 77° 58' 16" E  
297.59'

S 77° 25' 22" E  
545.32'

12.13 Acres

Pond

N 45° 10' 41" W  
291.10' R/W  
Twp Rd. 117

N 49° 54' 25" W 346.95'  
U.S. 50 Limited Access  
Twin Oaks Drive

S 88° 28' 49" W  
674.19'

S 28° 31' 33" W  
456.34'

R.R.S. set  
S 35° 46' 49" W  
34.07'

HYDROCARBON MINERALS II LLC  
OIL & GAS MINERAL FUND

O.R. 469 -7

R/W N 49° 54' 25" W  
511.89'

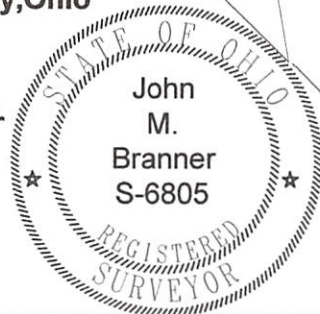
6.396 ac.

N 45° 34' 31" W  
572.85'

Survey of a 12.13 Acre Tract in  
Fraction 12, Section 9. T. 5, R.12,  
Carthage Twp. Athens County, Ohio  
Surveyed May 2012

*John M. Branner*

John M. Branner P.S. 6805  
62 East First Street  
The Plains, Ohio 45780  
740-541-0350



Scale 1 inch = 200 feet  
● = iron pin set 5/8" by 30" long rebar  
○ = iron pin found  
Bearings: Grid North N.A.D. 83  
Ref. Documents: Tax=Plat-Deed-ODOT R/W Map