



pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
Oil and Gas Management Program
WELL LOCATION PLAT
Page 1 Surface Location

DEP USE ONLY	Auth ID #:	G:
	Permit #:	C:
	Project #:	

Top Hole Well is located on topo map 192 feet south of latitude 41° 05' 00"
Bottom Hole Well is located on topo map 5139 feet south of latitude 41° 05' 00"

Surface Hole Coordinates

True Latitude: NORTH
41° 04' 58.10"

True Longitude: WEST
79° 55' 13.74"

Bottom Hole Coordinates

True Latitude: NORTH
41° 04' 09.22"

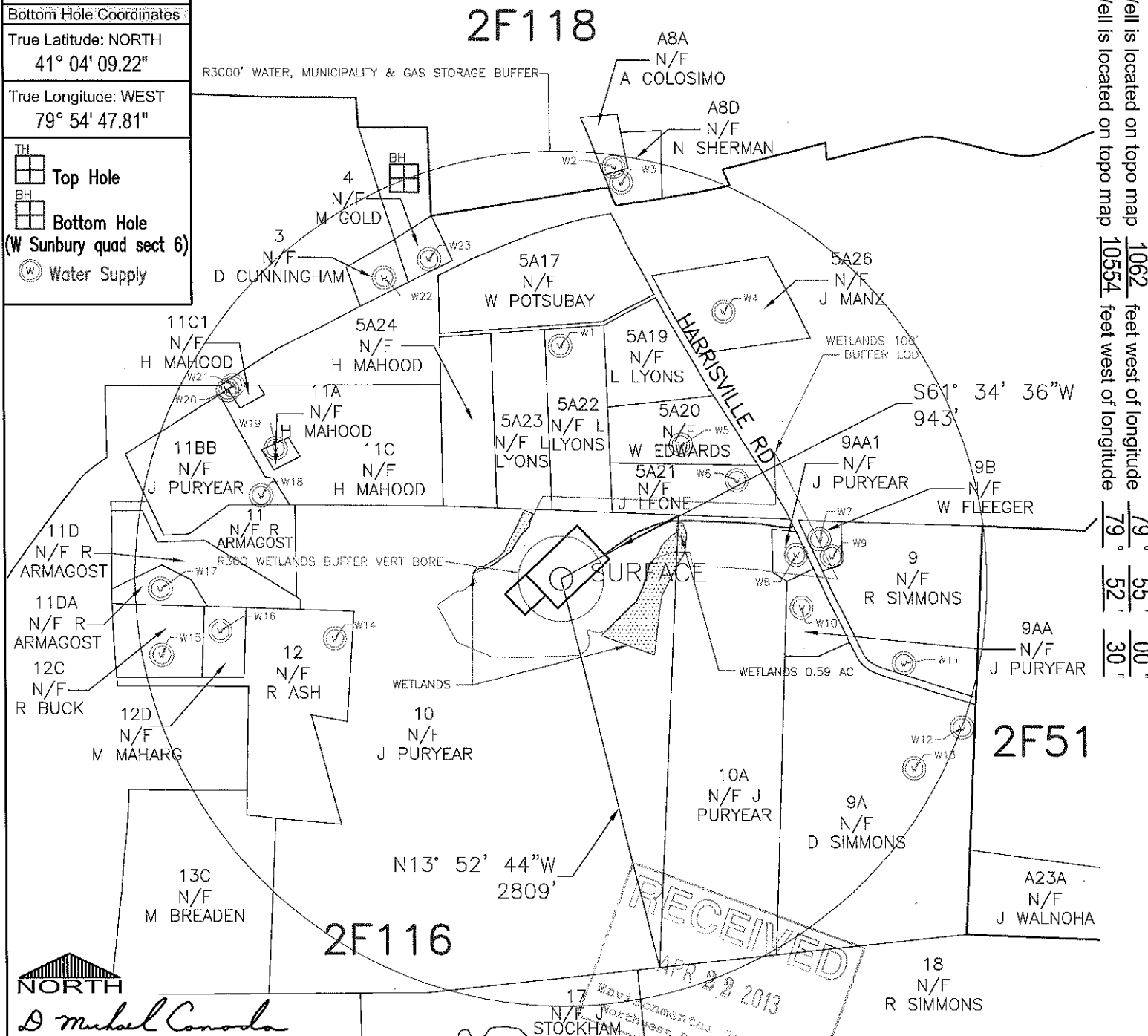
True Longitude: WEST
79° 54' 47.81"

TH
BH
Top Hole
Bottom Hole
(W Sunbury quad sect 6)
Water Supply

parcel lines taken from
tax map information

Top Hole Well is located on topo map 1062 feet west of longitude
Bottom Hole Well is located on topo map 10554 feet west of longitude

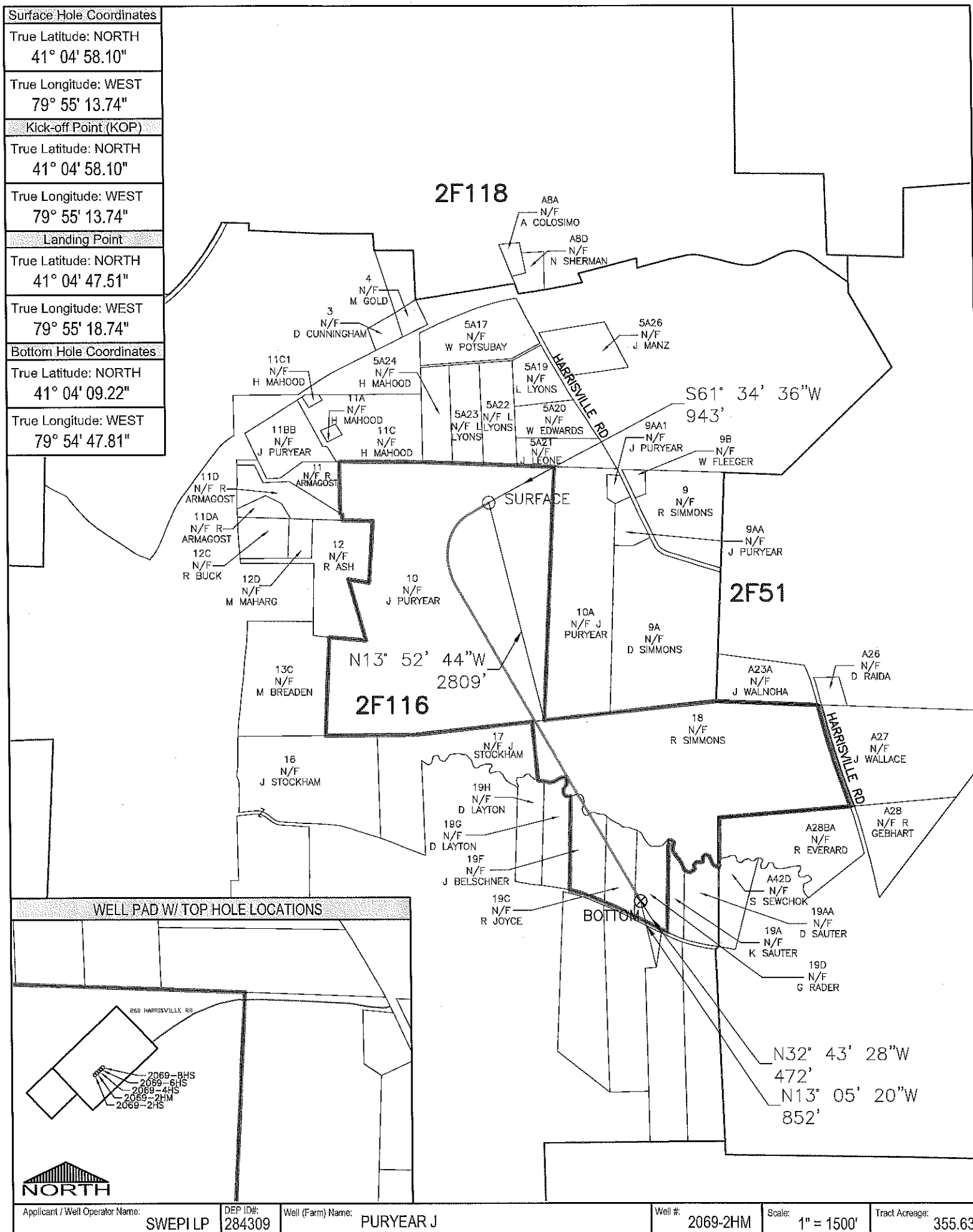
79° 55' 30"



Applicant / Well Operator Name: SWEPI LP		DEP ID#: 284309	Well (Farm) Name: PURYEAR J		Well #: 2069-2HM
Address: 190 Thorn Hill Road, Warrendale, PA 15086			County: BUTLER	Municipality: CHERRY	Well Type: Gas
911 Address of well site: 260 HARRISVILLE RD			USGS 71/2 Quadrangle Map Name: WEST SUNBURY		Map Section: 5
Surveyor: Pa. Lic. # SU029272 E D. Michael Canada		Phone #: 716-379-7918	Dwg #: 2069 PURYEAR	Date: FEBRUARY 18, 2013	Scale: 1" = 1000'
Lat. & Long Metadata Method: RTK GPS		Accuracy: ± 5 ft.	Datum: NAD 83	Elevation Metadata Method: GPS	Accuracy: ± 5 ft.
		Datum: NAD 83	Survey Date: AUGUST 31, 2011		Tract Acreage: 355.63

WELL LOCATION PLAT

Page 3 Plan View of Deviated Well Bore





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DEP
USE
ONLY

Auth ID #:
Permit #:
Project #:

G:

C:

TH

Top Hole Well is located on topo map 202 feet south of latitude 41° 05' 00"
Bottom Hole Well is located on topo map 5400 feet south of latitude 41° 05' 00"

Surface Hole Coordinates

True Latitude: NORTH
41° 04' 58.00"

True Longitude: WEST
79° 55' 13.88"

Bottom Hole Coordinates

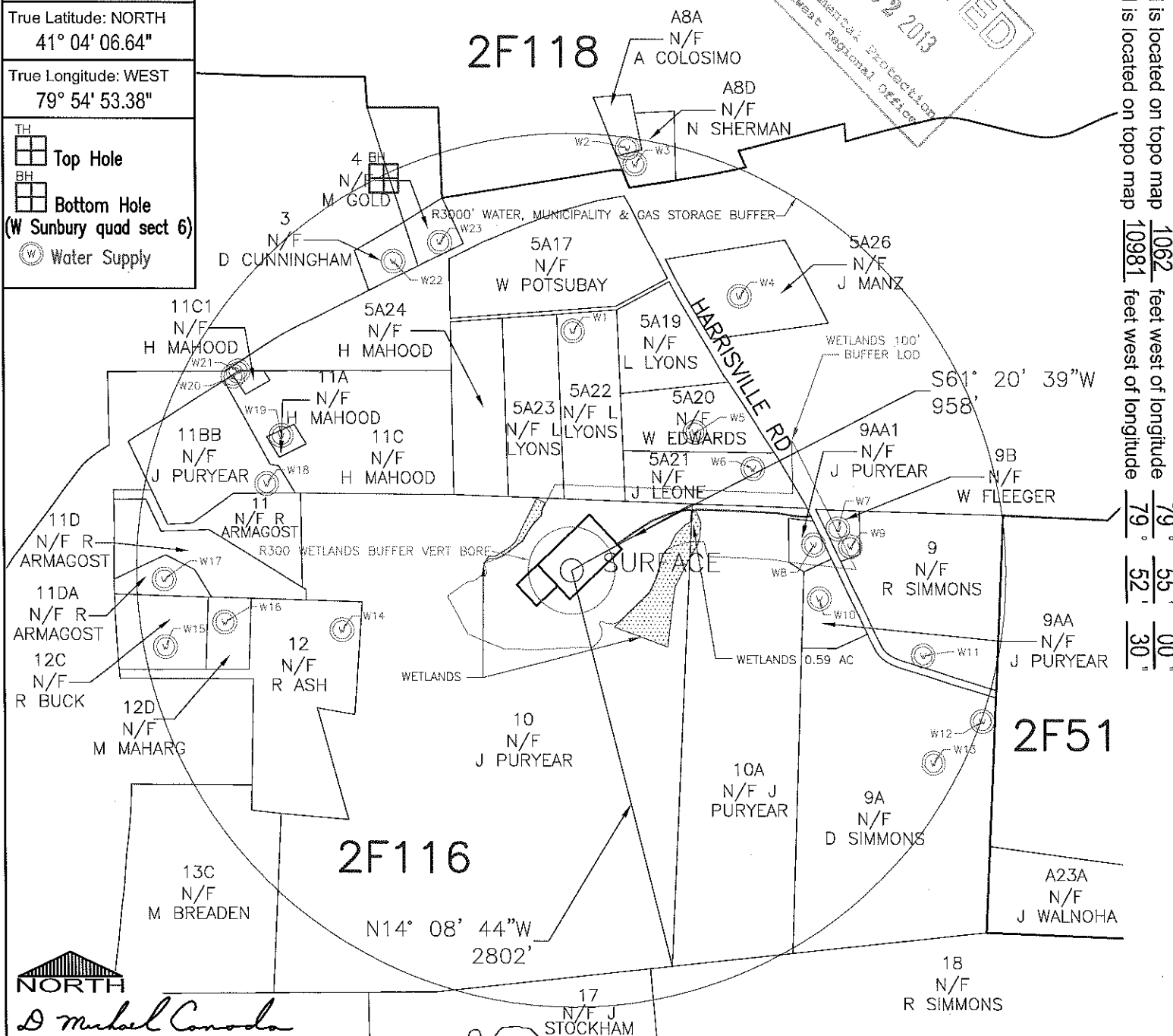
True Latitude: NORTH
41° 04' 06.64"

True Longitude: WEST
79° 54' 53.38"

TH
BH
Top Hole
Bottom Hole
(W Sunbury quad sect 6)
Water Supply

parcel lines taken from
tax map information
RECEIVED
APR 22 2013
Environmental Protection
Northwest Regional Office

Top Hole Well is located on topo map 1062 feet west of longitude 79° 55' 00"
Bottom Hole Well is located on topo map 10981 feet west of longitude 79° 52' 30"



Applicant / Well Operator Name: SWEPI LP		DEP ID#: 284309	Well (Farm) Name: PURYEAR J		Well #: 2069-2HS
Address: 190 Thorn Hill Road, Warrendale, PA 15086			County: BUTLER	Municipality: CHERRY	Well Type: Gas
911 Address of well site: 260 HARRISVILLE RD			USGS 712 Quadrangle Map Name: WEST SUNBURY		Map Section: 5
Surveyor: Pa. Lic. #SU029272 E D. Michael Canada		Phone #: 716-379-7918	Dwg #: 2069 PURYEAR	Date: FEBRUARY 18, 2013	Scale: 1" = 1000'
Lat. & Long Metadata Method: RTK GPS		Accuracy: ± 5 ft.	Datum: NAD 83	Elevation Metadata Method: GPS	Accuracy: ± 5 ft.
		Datum: NAD 83			Tract Acreage: 311.16
Survey Date: AUGUST 31, 2011					

WELL LOCATION PLAT

Page 3 Plan View of Deviated Well Bore

Surface Hole Coordinates

True Latitude: NORTH

41° 04' 58.00"

True Longitude: WEST

79° 55' 13.88"

Kick-off Point (KOP)

True Latitude: NORTH

41° 04' 58.00"

True Longitude: WEST

79° 55' 13.88"

Landing Point

True Latitude: NORTH

41° 04' 43.10"

True Longitude: WEST

79° 55' 22.83"

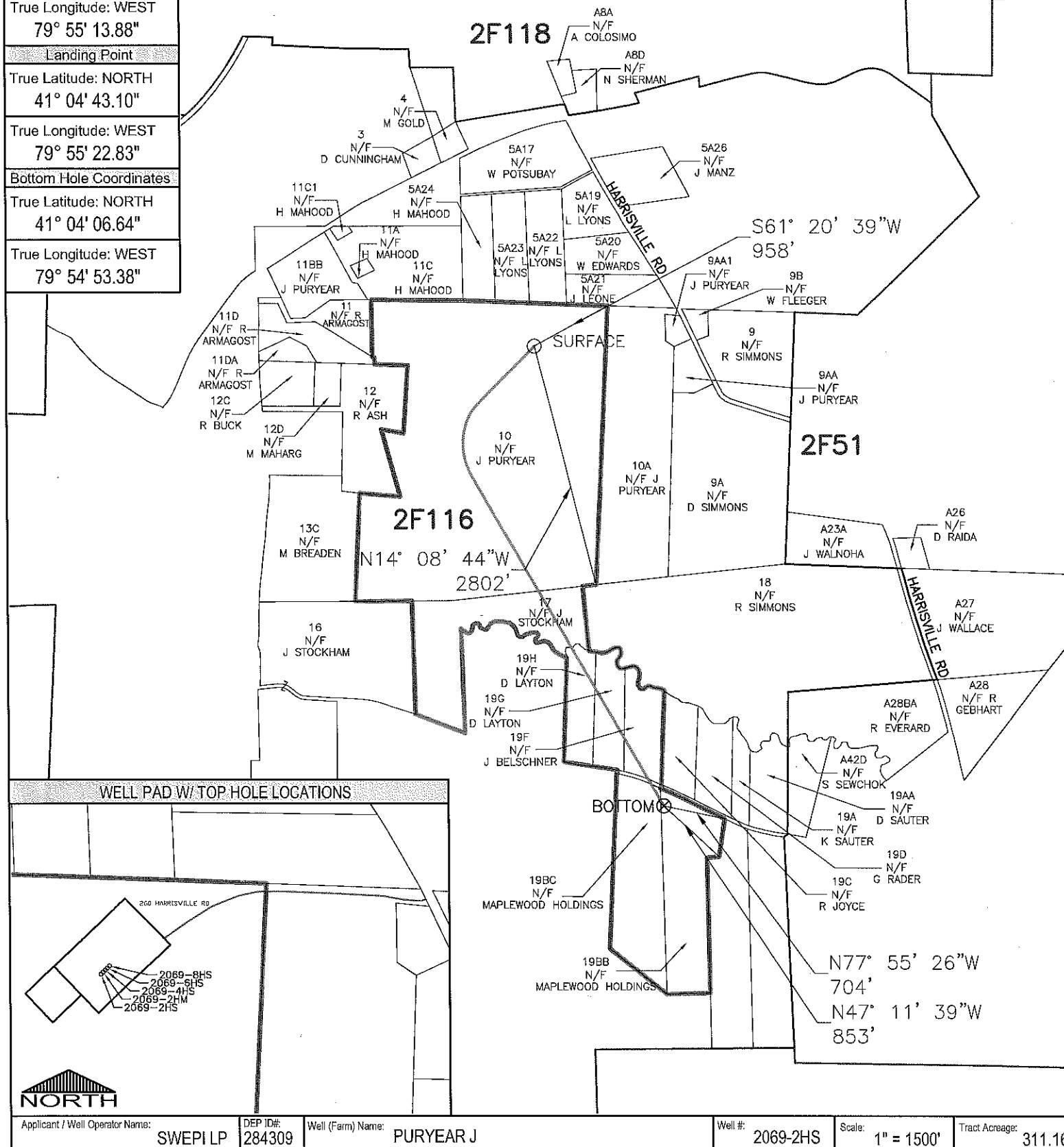
Bottom Hole Coordinates

True Latitude: NORTH

41° 04' 06.64"

True Longitude: WEST

79° 54' 53.38"





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DEPARTMENT OF ENVIRONMENTAL PROTECTION
Oil and Gas Management Program
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DEP USE ONLY	Auth ID #:	G:
	Permit #:	C:
	Project #:	TH

Top Hole Well is located on topo map 181 feet south of latitude 41° 05' 00"
Bottom Hole Well is located on topo map 4878 feet south of latitude 41° 05' 00"

Surface Hole Coordinates:

True Latitude: NORTH
41° 04' 58.21"

True Longitude: WEST
79° 55' 13.60"

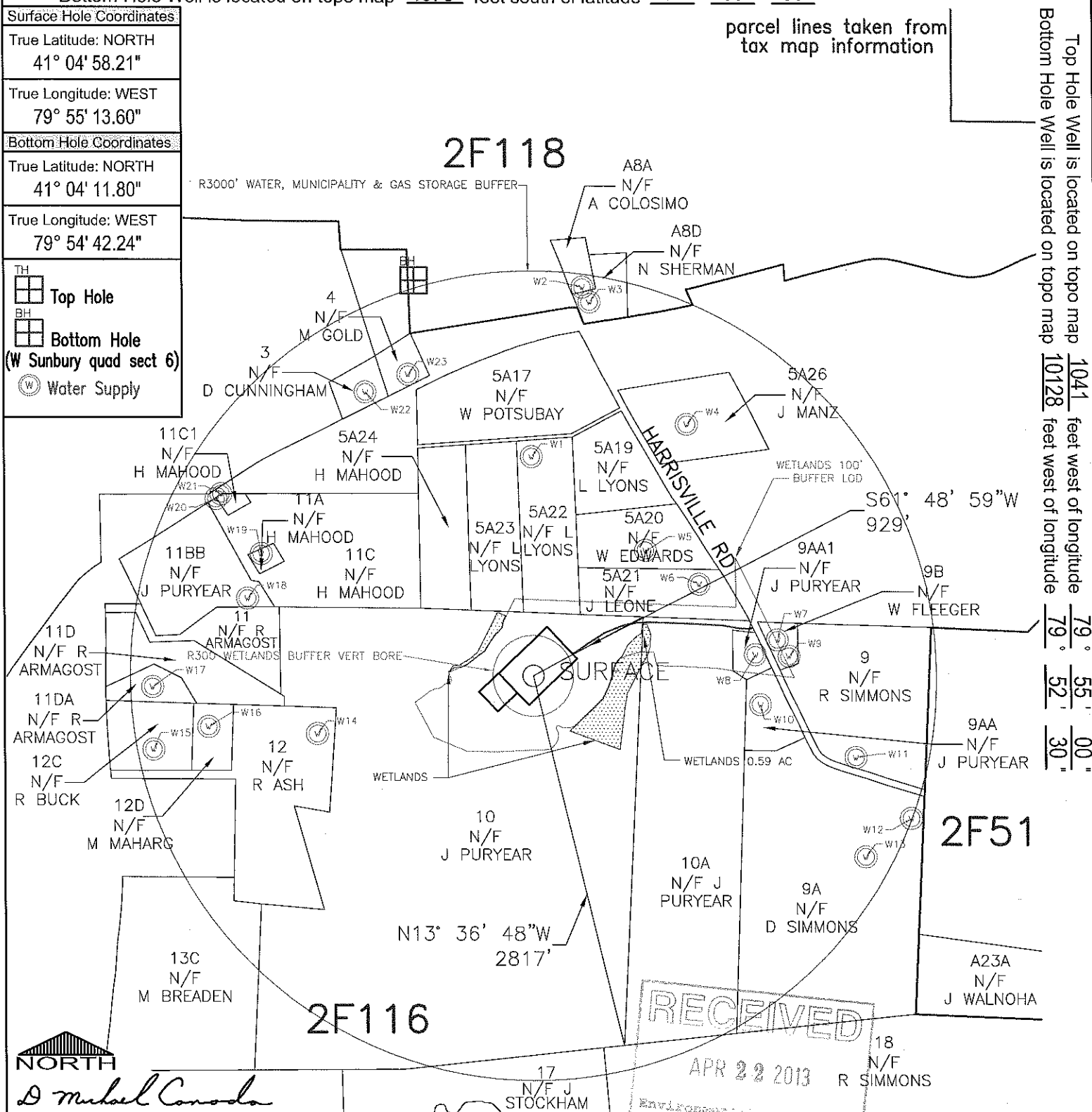
Bottom Hole Coordinates:

True Latitude: NORTH
41° 04' 11.80"

True Longitude: WEST
79° 54' 42.24"

TH Top Hole
BH Bottom Hole
(W Sunbury quad sect 6)
 Water Supply

parcel lines taken from
tax map information



Top Hole Well is located on topo map 1041 feet west of longitude 79° 55' 00"
Bottom Hole Well is located on topo map 10128 feet west of longitude 79° 52' 30"



D Michael Canada

Applicant / Well Operator Name: SWEPI LP		DEP ID#: 284309	Well (Farm) Name: PURYEAR J		Well #: 2069-4HS
Address: 190 Thorn Hill Road, Warrendale, PA 15086			County: BUTLER	Municipality: CHERRY	Well Type: Gas
911 Address of well site: 260 HARRISVILLE RD			USGS 7 1/2 Quadrangle Map Name: WEST SUNBURY		Map Section: 5
Surveyor: Pa. Lic. # SU029272 E D. Michael Canada		Phone #: 716-379-7918	Dwg #: 2069 PURYEAR	Date: FEBRUARY 18, 2013	Scale: 1" = 1000'
Lat. & Long Metadata Method: RTK GPS		Accuracy: ± 5 ft.	Datum: NAD 83	Elevation Metadata Method: GPS	Accuracy: ± 5 ft.
		Datum: NAD 83	Survey Date: AUGUST 31, 2011		Tract Acreage: 399.58

Surface Hole Coordinates

True Latitude: NORTH	41° 04' 58.21"
True Longitude: WEST	79° 55' 13.60"
Kick-off Point (KOP)	
True Latitude: NORTH	41° 04' 58.21"
True Longitude: WEST	79° 55' 13.60"
Landing Point	
True Latitude: NORTH	41° 04' 49.76"
True Longitude: WEST	79° 55' 12.90"
Bottom Hole Coordinates	
True Latitude: NORTH	41° 04' 11.80"
True Longitude: WEST	79° 54' 42.24"

Well Pad W/ Top Hole Locations

260 HARRISVILLE RD

2069-8HS
2069-6HS
2069-4HS
2069-2HM
2069-2HS

Well Locations:

- 4 N/F M GOLD
- 3 N/F D CUNNINGHAM
- 5A17 N/F W POTSBAY
- 5A24 N/F H MAHOOD
- 5A19 N/F L LYONS
- 5A22 N/F L LYONS
- 5A20 N/F W EDWARDS
- 5A21 N/F J LEONE
- 5A26 N/F J MANZ
- 11C1 N/F H MAHOOD
- 11A N/F H MAHOOD
- 11BB N/F J PURYEAR
- 11C N/F H MAHOOD
- 11 N/F R ARMAGOST
- 11D N/F R ARMAGOST
- 11DA N/F R ARMAGOST
- 12C N/F R BUCK
- 12D N/F M MAHARG
- 12 N/F R ASH
- 10 N/F J PURYEAR
- 10A N/F J PURYEAR
- 9A N/F D SIMMONS
- 9 N/F R SIMMONS
- 9AA1 N/F J PURYEAR
- 9B N/F W FLEEGER
- 9AA N/F J PURYEAR
- 9A N/F D SIMMONS
- 18 N/F R SIMMONS
- 17 N/F J STOCKHAM
- 19H N/F D LAYTON
- 19G N/F D LAYTON
- 19F N/F J BELSCHNER
- 19C N/F R JOYCE
- 19D N/F G RADER
- 13C N/F M BREADEN
- 16 N/F J STOCKHAM
- 19A N/F K SAUTER
- 19AA N/F D SAUTER
- A42D N/F S SEWCHOK
- A28BA N/F R EVERARD
- A28 N/F R GEBHART
- A27 N/F J WALLACE
- A26 N/F D RAIDA
- A23A N/F J WALNOHA
- A8A N/F A COLOSIMO
- A8D N/F N SHERMAN

Coordinates:

- S61° 48' 59"W 929'
- N13° 36' 48"W 2817'
- N7° 58' 57"W 734'
- N9° 02' 39"E 647'

Other Labels:

- SURFACE
- BOTTOM
- 2F118
- 2F51
- 2F116
- HARRISVILLE RD

North Arrow:

NORTH



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DEP
USE
ONLY

Auth ID #:
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G:
C:
TH

Top Hole Well is located on topo map 171 feet south of latitude 41° 05' 00"
Bottom Hole Well is located on topo map 4402 feet south of latitude 41° 05' 00"

Surface Hole Coordinates

True Latitude: NORTH
41° 04' 58.31"

True Longitude: WEST
79° 55' 13.46"

Bottom Hole Coordinates

True Latitude: NORTH
41° 04' 16.50"

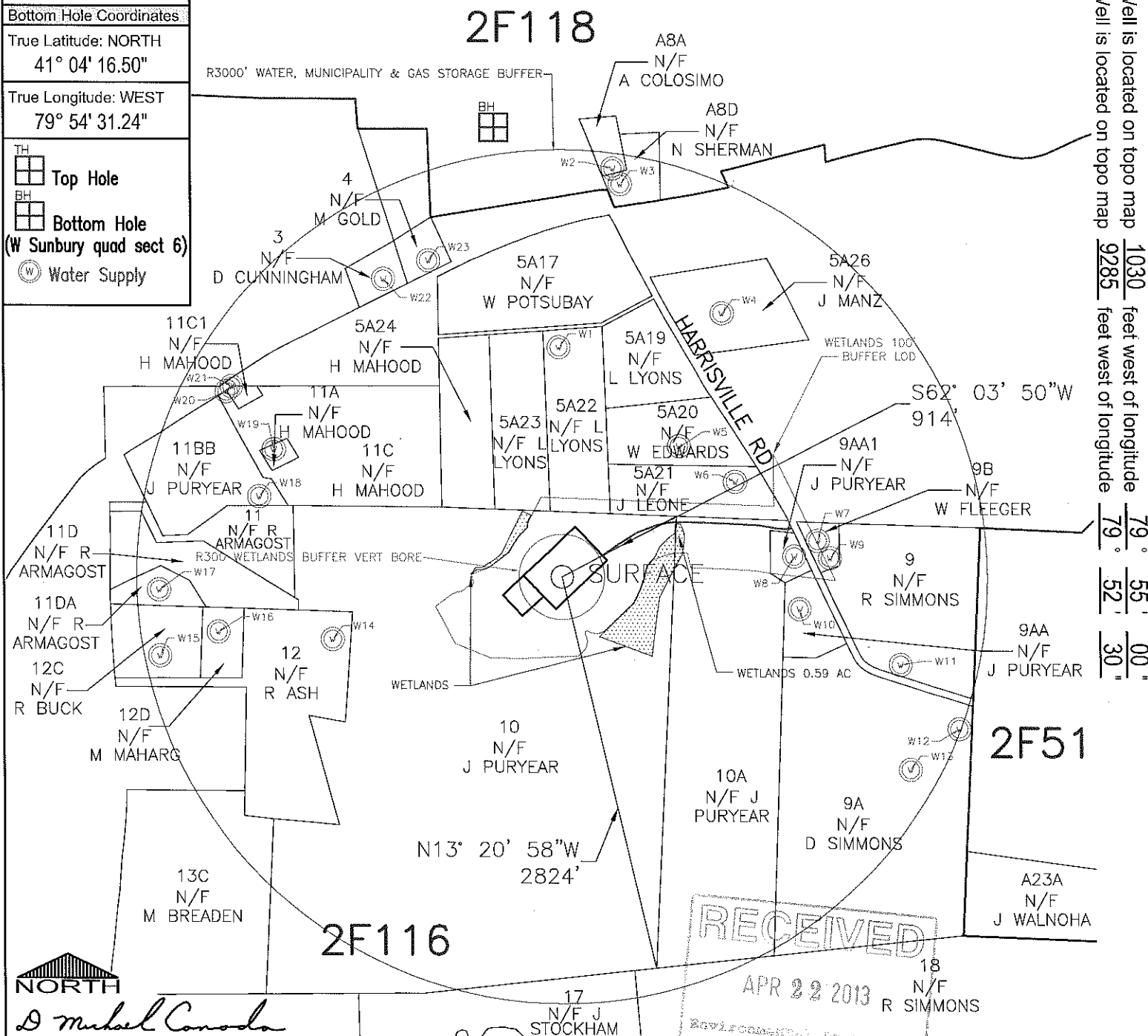
True Longitude: WEST
79° 54' 31.24"

TH ☐ Top Hole
BH ☐ Bottom Hole
(W Sunbury quad sect 6)
⊙ Water Supply

parcel lines taken from
tax map information

Top Hole Well is located on topo map 1030
Bottom Hole Well is located on topo map 9285

feet west of longitude 79° 55' 00"
feet west of longitude 79° 52' 30"



NORTH

D Michael Canada

Applicant / Well Operator Name: SWEPI LP		DEP ID#: 284309	Well (Farm) Name: PURYEAR J		Well #: 2069-6HS
Address: 190 Thorn Hill Road, Warrendale, PA 15086			County: BUTLER	Municipality: CHERRY	Well Type: Gas
911 Address of well site: 260 HARRISVILLE RD			USGS 71/2 Quadrangle Map Name: WEST SUNBURY		Map Section: 5 Surface Elevation: 1295 ft.
Surveyor: Pa. Lic. #SU029272 E D. Michael Canada	Phone #: 716-379-7918	Dwg #: 2069 PURYEAR	Date: FEBRUARY 18, 2013	Scale: 1" = 1000'	Tract Acreage: 461.29
Lat. & Long Metadata Method: RTK GPS	Accuracy: ± 5 ft.	Datum: NAD 83	Elevation Metadata Method: GPS	Accuracy: ± 5 ft.	Datum: NAD 83
Survey Date: AUGUST 31, 2011					

Surface Hole Coordinates
 True Latitude: NORTH
 41° 04' 58.31"
 True Longitude: WEST
 79° 55' 13.46"
Kick-off Point (KOP)
 True Latitude: NORTH
 41° 04' 58.31"
 True Longitude: WEST
 79° 55' 13.46"
Landing Point
 True Latitude: NORTH
 41° 04' 54.54"
 True Longitude: WEST
 79° 55' 01.96"
Bottom Hole Coordinates
 True Latitude: NORTH
 41° 04' 16.50"
 True Longitude: WEST
 79° 54' 31.24"

2F118

A8A N/F A COLOSIMO
 A8D N/F N SHERMAN
 4 N/F M GOLD
 3 N/F D CUNNINGHAM
 5A17 N/F W POTSUBAY
 5A26 N/F J MANZ
 5A19 N/F L LYONS
 5A20 N/F W EDWARDS
 5A21 N/F J LEONE
 9A11 N/F J PURYEAR
 9B N/F W FLEEGER
 9A N/F J PURYEAR
 9A N/F D SIMMONS
 18 N/F R SIMMONS
 17 N/F J STOCKHAM
 19H N/F D LAYTON
 19G N/F D LAYTON
 19F N/F J BELSCHNER
 19C N/F R JOYCE
 19D N/F G RADER
 19A N/F K SAUTER
 19AA N/F D SAUTER
 11C1 N/F H MAHOOD
 5A24 N/F H MAHOOD
 11A N/F H MAHOOD
 11C N/F H MAHOOD
 11BB N/F J PURYEAR
 11D N/F R ARMAGOST
 11DA N/F R ARMAGOST
 12C N/F R BUCK
 12D N/F M MAHARG
 12 N/F R ASH
 13C N/F M BREADEN
 16 N/F J STOCKHAM
 10 N/F J PURYEAR
 10A N/F J PURYEAR
 9A N/F D SIMMONS
 9 N/F R SIMMONS
 9AA N/F J PURYEAR
 9B N/F W FLEEGER
 9A N/F J PURYEAR
 9A N/F D SIMMONS
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 17 N/F J STOCKHAM
 19H N/F D LAYTON
 19G N/F D LAYTON
 19F N/F J BELSCHNER
 19C N/F R JOYCE
 19D N/F G RADER
 19A N/F K SAUTER
 19AA N/F D SAUTER
 11C1 N/F H MAHOOD
 5A24 N/F H MAHOOD
 11A N/F H MAHOOD
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 11BB N/F J PURYEAR
 11D N/F R ARMAGOST
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 12C N/F R BUCK
 12D N/F M MAHARG
 12 N/F R ASH
 13C N/F M BREADEN
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 10A N/F J PURYEAR
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 9AA N/F J PURYEAR
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 9A N/F J PURYEAR
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 19F N/F J BELSCHNER
 19C N/F R JOYCE
 19D N/F G RADER
 19A N/F K SAUTER
 19AA N/F D SAUTER
 11C1 N/F H MAHOOD
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 11BB N/F J PURYEAR
 11D N/F R ARMAGOST
 11DA N/F R ARMAGOST
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 13C N/F M BREADEN
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 9AA N/F J PURYEAR
 9B N/F W FLEEGER
 9A N/F J PURYEAR
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 19F N/F J BELSCHNER
 19C N/F R JOYCE
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 19AA N/F D SAUTER
 11C1 N/F H MAHOOD
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 9A N/F J PURYEAR
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 19C N/F R JOYCE
 19D N/F G RADER
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 19AA N/F D SAUTER
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 11D N/F R ARMAGOST
 11DA N/F R ARMAGOST
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 9A N/F D SIMMONS
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 9A N/F J PURYEAR
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 17 N/F J STOCKHAM
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 19F N/F J BELSCHNER
 19C N/F R JOYCE
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 19A N/F K SAUTER
 19AA N/F D SAUTER
 11C1 N/F H MAHOOD
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 11A N/F H MAHOOD
 11C N/F H MAHOOD
 11BB N/F J PURYEAR
 11D N/F R ARMAGOST
 11DA N/F R ARMAGOST
 12C N/F R BUCK
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 12C N/F R BUCK
 12D N/F M MAHARG
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 11D N/F R ARMAGOST
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 11C N/F H MAHOOD
 11BB N/F J PURYEAR
 11D N/F R ARMAGOST
 11DA N/F R ARMAGOST
 12C N/F R BUCK
 12D N/F M MAHARG
 12 N/F R ASH
 13C N/F M BREADEN
 16 N/F J STOCKHAM
 10 N/F J PURYEAR
 10A N/F J PURYEAR
 9A N/F D SIMMONS
 9 N/F R SIMMONS
 9AA N/F J PURYEAR
 9B N/F W FLEEGER





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Page 1 Surface Location

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Auth ID #:
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Project #:

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TH

Top Hole Well is located on topo map 159 feet south of latitude 41° 05' 00"
Bottom Hole Well is located on topo map 3972 feet south of latitude 41° 05' 00"

Surface Hole Coordinates

True Latitude: NORTH
41° 04' 58.42"

True Longitude: WEST
79° 55' 13.32"

Bottom Hole Coordinates

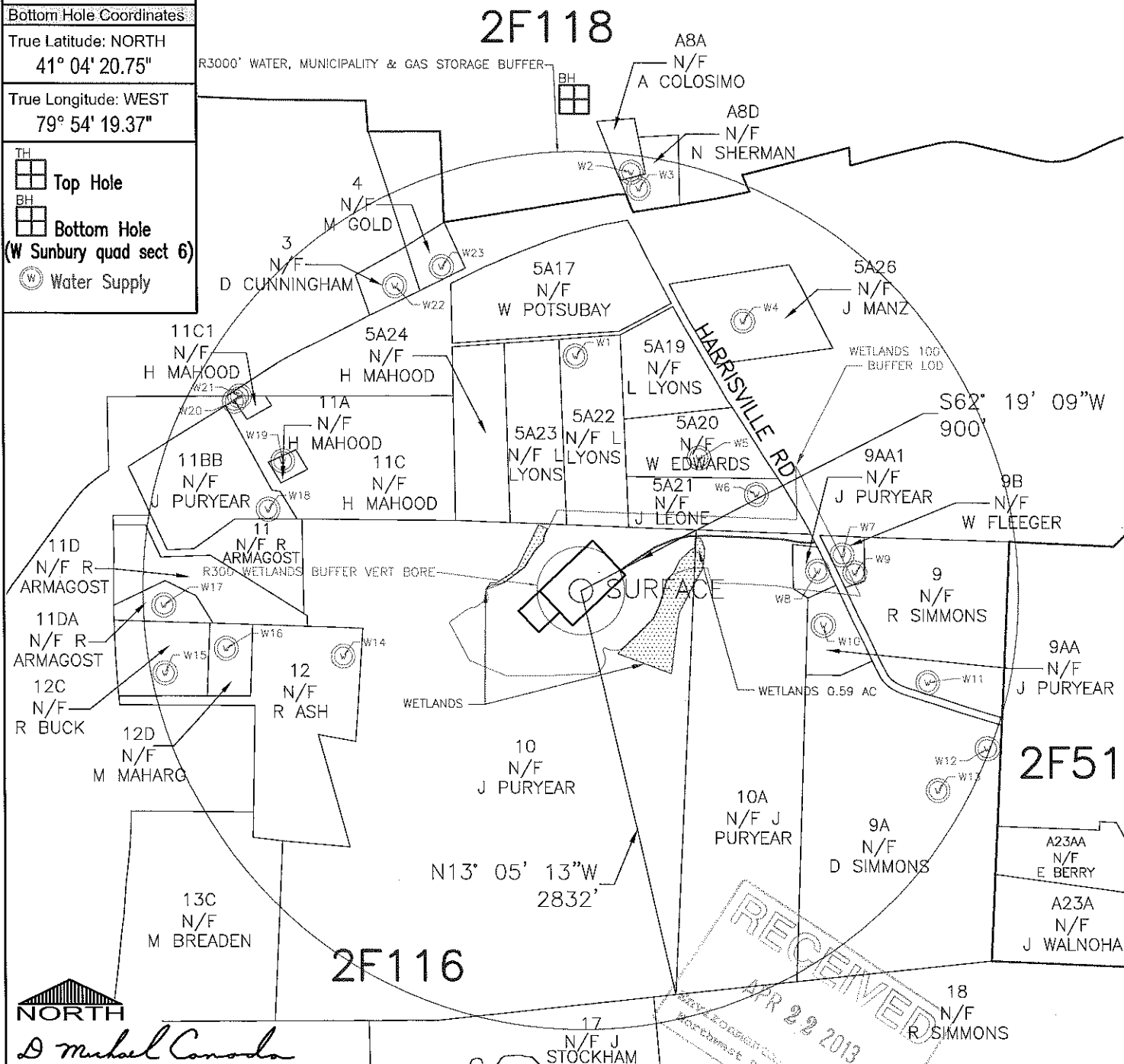
True Latitude: NORTH
41° 04' 20.75"

True Longitude: WEST
79° 54' 19.37"

TH Top Hole
BH Bottom Hole
(W Sunbury quad sect 6)
 Water Supply

parcel lines taken from
tax map information

Top Hole Well is located on topo map 1019 feet west of longitude
Bottom Hole Well is located on topo map 8376 feet west of longitude



Applicant / Well Operator Name: SWEPI LP		DEP ID#: 284309	Well (Farm) Name: PURYEAR J		Well #: 2069-8HS
Address: 190 Thorn Hill Road, Warrendale, PA 15086			County: BUTLER	Municipality: CHERRY	Well Type: Gas
911 Address of well site: 260 HARRISVILLE RD			USGS 7 1/2 Quadrangle Map Name: WEST SUNBURY		Map Section: 5
Surveyor: Pa. Lic. # SU029272 E D. Michael Canada		Phone #: 716-379-7918	Dwg #: 2069 PURYEAR	Date: FEBRUARY 18, 2013	Scale: 1" = 1000'
Lat. & Long Metadata Method: RTK GPS		Accuracy: ± 5 ft.	Datum: NAD 83	Elevation Metadata Method: GPS	Accuracy: ± 5 ft.
		Datum: NAD 83	Survey Date: AUGUST 31, 2011		Tract Acreage: 511.17

WELL LOCATION PLAT
Page 3 Plan View of Deviated Well Bore

Surface Hole Coordinates
True Latitude: NORTH 41° 04' 58.42"
True Longitude: WEST 79° 55' 13.32"
Kick-off Point (KOP)
True Latitude: NORTH 41° 04' 58.42"
True Longitude: WEST 79° 55' 13.32"
Landing Point
True Latitude: NORTH 41° 04' 58.13"
True Longitude: WEST 79° 54' 49.56"
Bottom Hole Coordinates
True Latitude: NORTH 41° 04' 20.75"
True Longitude: WEST 79° 54' 19.37"

