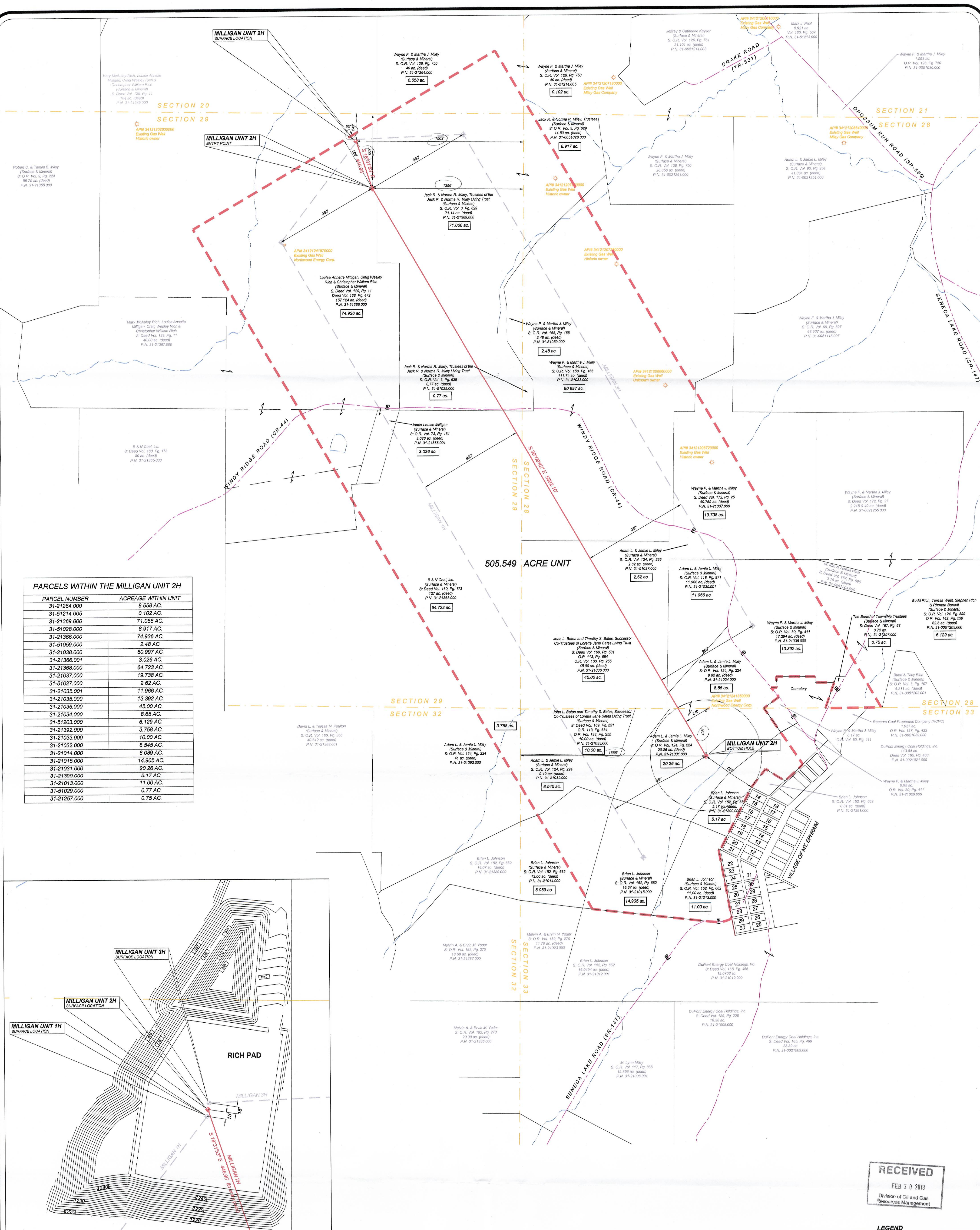
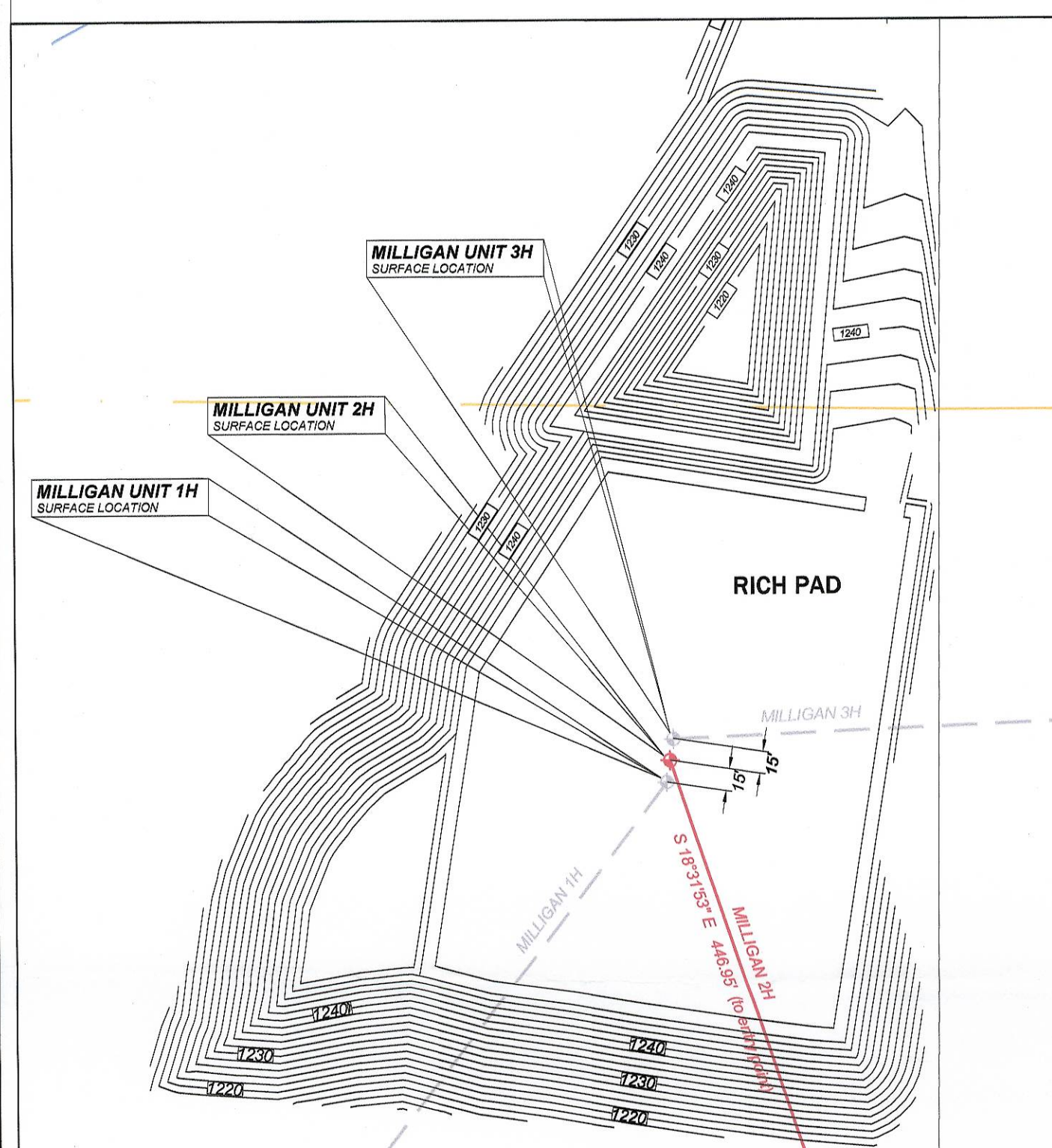




PARCELS WITHIN THE MILLIGAN UNIT 2H	
PARCEL NUMBER	ACREAGE WITHIN UNIT
31-21264.000	8.558 AC.
31-51214.005	0.102 AC.
31-21369.000	71.059 AC.
31-51028.000	8.917 AC.
31-21366.000	74.936 AC.
31-51059.000	2.48 AC.
31-21038.000	80.997 AC.
31-21366.001	3.026 AC.
31-21368.000	64.723 AC.
31-21037.000	19.738 AC.
31-51027.000	2.62 AC.
31-21035.000	11.956 AC.
31-21036.000	13.392 AC.
31-21036.001	45.00 AC.
31-21034.000	8.65 AC.
31-51203.000	6.129 AC.
31-21392.000	3.759 AC.
31-21033.000	10.00 AC.
31-21032.000	8.545 AC.
31-21014.000	8.089 AC.
31-21016.000	14.905 AC.
31-21031.000	20.28 AC.
31-21390.000	5.17 AC.
31-21013.000	11.00 AC.
31-51029.000	0.77 AC.
31-21257.000	0.75 AC.



STATE OF OHIO
DAVID A. BOWER
S-5753
DAVID A. BOWER, REGISTERED SURVEYOR, NO. 5753

I hereby state that all drilling or producing wells within 1,000 feet and all public roads, railroads, buildings and streams within 200 feet have been shown, there are no drilling unit lines nearer than 500 feet, that this plat is true and correct and was prepared according to the current Ohio Department of Natural Resources, Division of Mineral Resource Management (OAC 1501:9-1).

NOTES:

1) The drilling unit boundary shown is intended to comply with the Ohio Division of Natural Resources Division of Oil and Gas Resources Management surveyor well plat requirements in order to identify the setback distance. The unit boundary shown is not intended to indicate a unit for production purposes.

Reference used:
Noble County Auditor's Tax Maps
Deeds as noted herein
Ohio Department of Natural Resources: Division of Geological Survey: Oil & Gas Interactive Web Map
Ohio Department of Natural Resources: Division of Mineral Resources Management: Well Permits
Ohio Department of Natural Resources: Oil & Gas Well Database

HORIZONTAL WELL PLAT
MILLIGAN UNIT 2H
TARGET FORMATION: POINT PLEASANT
ANTERO RESOURCES APPALACHIAN CORPORATION
1625 17th STREET
DENVER, CO 80202

SURFACE: 245 NL & 1503 EL OF SEC 29
EP: 667 NL & 1358 EL OF SEC 29
TARGET: 426 NL & 1665 WL OF SEC 33
505.549 AC
PNPC - DANC - RT

LEGEND	
UNIT BOUNDARY	SECTION LINE
PROPERTY BOUNDARY	WATERWAY
ROAD	UNIT "WINDOW" ACREAGE
EXISTING WATER WELL	GAS
GAS WITH OIL SHOW	OIL AND GAS
OIL	UNKNOWN STATUS
EXPRIRED PERMITTED LOCATION	PROPERTY LINE

SURFACE LOCATION		ENTRY POINT		BOTTOM HOLE	
OHIO STATE PLANE COORDINATES (SOUTH ZONE)		POINT PLEASANT FORMATION - OHIO STATE PLANE COORDINATES (SOUTH ZONE)		OHIO STATE PLANE COORDINATES (SOUTH ZONE)	
(NAD 83)	(NAD 27)	(NAD 83)	(NAD 27)	(NAD 83)	(NAD 27)
X: 2,268,817.99'	X: 2,300,081.85'	X: 2,268,760.05'	X: 2,271,720.70'	X: 2,271,720.50'	X: 2,303,184.15'
Y: 880,718.12'	Y: 880,677.84'	Y: 880,294.35'	Y: 880,254.17'	Y: 875,199.95'	Y: 875,159.87'
ELEV: 1248.0' (NAVD 88)		TOTAL VERTICAL DEPTH: 7855'		TOTAL VERTICAL DEPTH: 7727'	
SURFACE LOCATION DISTANCES TO ORIGINAL P.L.S.S. LINES		ENTRY POINT DISTANCES TO ORIGINAL P.L.S.S. LINES		BOTTOM HOLE DISTANCES TO ORIGINAL P.L.S.S. LINES	
SENECA TWP. - SEC. 29		SENECA TWP. - SEC. 29		SENECA TWP. - SEC. 33	
245' TO N.L.		667' TO N.L.		428' TO N.L.	
1,503' TO E.L.		1,358' TO E.L.		1,685' TO W.L.	

Diversified Engineering Inc.
CONSULTING ENGINEERS & SURVEYORS
225 FAIR AVENUE, N.E.
NEW PHILADELPHIA, OH 44663
Phone: (330) 364-4833
Fax: (330) 364-4033
email: dell@div-eng.com
Web: www.div-eng.com

LATITUDE / LONGITUDE COORDINATES	
SURFACE LOCATION	
LATITUDE: 39.864082 (NAD 83)	LATITUDE: 39.862914 (NAD 83)
LONGITUDE: -81.430834 (NAD 83)	LONGITUDE: -81.430348 (NAD 83)
LATITUDE: 39.864010 (NAD 27)	LATITUDE: 39.862842 (NAD 27)
LONGITUDE: -81.430893 (NAD 27)	LONGITUDE: -81.430505 (NAD 27)
ENTRY POINT	
LATITUDE: 39.862914 (NAD 83)	LATITUDE: 39.862914 (NAD 83)
LONGITUDE: -81.430348 (NAD 83)	LONGITUDE: -81.430348 (NAD 83)
LATITUDE: 39.862842 (NAD 27)	LATITUDE: 39.862842 (NAD 27)
LONGITUDE: -81.430505 (NAD 27)	LONGITUDE: -81.430505 (NAD 27)
BOTTOM HOLE	
LATITUDE: 39.848833 (NAD 83)	LATITUDE: 39.848833 (NAD 83)
LONGITUDE: -81.420018 (NAD 83)	LONGITUDE: -81.420018 (NAD 83)
LATITUDE: 39.848761 (NAD 27)	LATITUDE: 39.848761 (NAD 27)
LONGITUDE: -81.420177 (NAD 27)	LONGITUDE: -81.420177 (NAD 27)

PLAT SHOWING LOCATION OF WELL
STATE OF OHIO, DEPARTMENT OF NATURAL RESOURCES - DIVISION OF MINERAL RESOURCE MANAGEMENT, COLUMBUS, OHIO

OPERATOR: ANTERO RESOURCES APPALACHIAN CORPORATION
ADDRESS: 1625 17th STREET, DENVER, CO 80202

LANDOWNER: SURFACE: LOUISE ANNETTE MILLIGAN, CRAIG WESLEY RICH & CHRISTOPHER WILLIAM RICH
MINERALS: AS NOTED ON MAP

SUBDIVISION CIVIL TOWNSHIP:
COUNTY: NOBLE
TOWNSHIP: SENECA
RANGE: 8W
SECTION: 20, 26, 28, 32 & 33
SUBDIVISION: CONGRESS LANDS EAST OF THE SCIOTO RIVER

DRILLING UNIT ACREAGE: 505.549 ac.

PROJECT INFORMATION
ISSUE DATE: 02/18/2013
SCALE: 1" = 400'
SURVEYED BY: DEL
CALC. BY: LDB
DRAWN BY: LDB
CHECKED BY: CRH

RECEIVED
FEB 20 2013
Division of Oil and Gas
Resource Management

34-121-2-4409