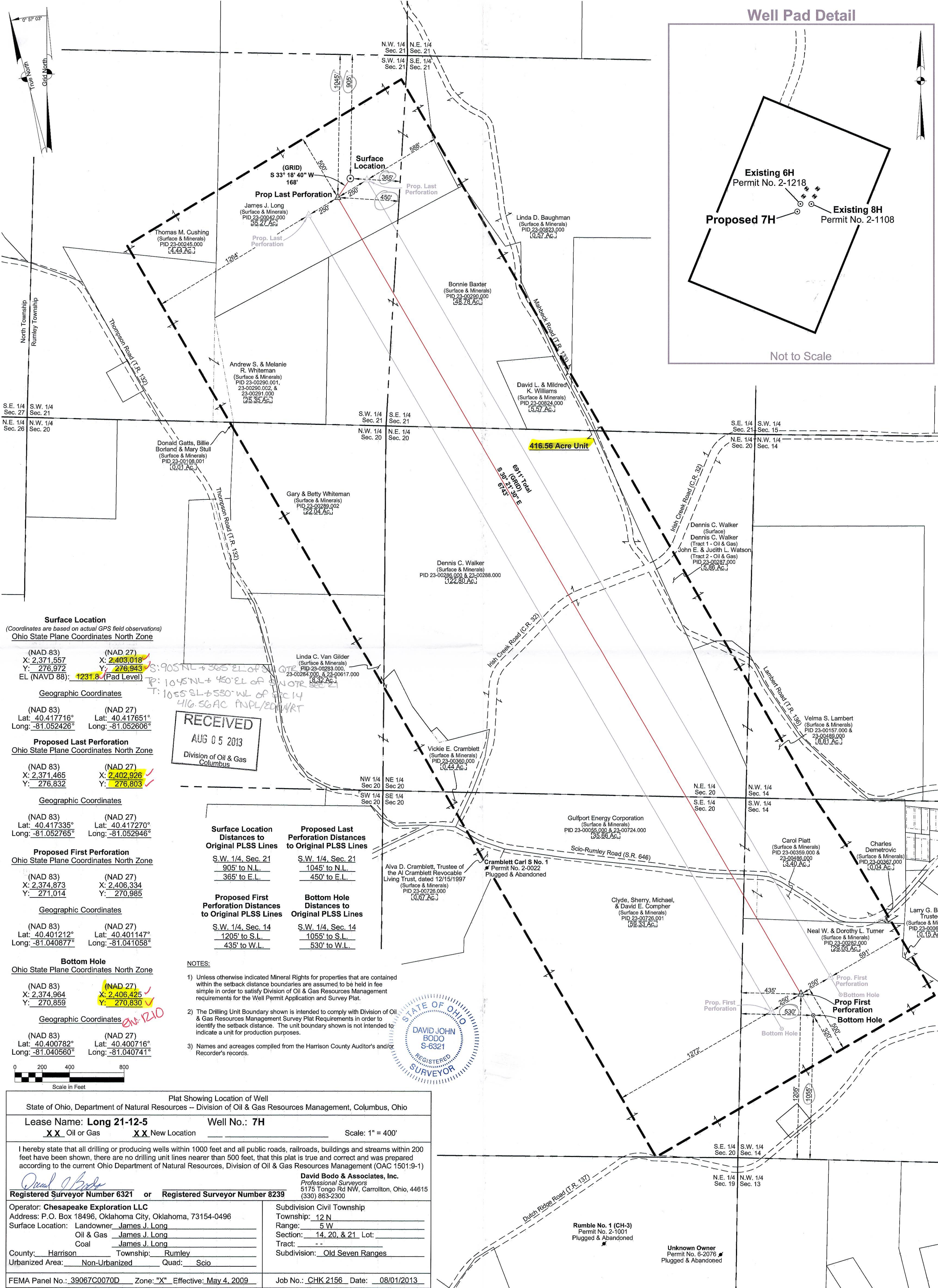
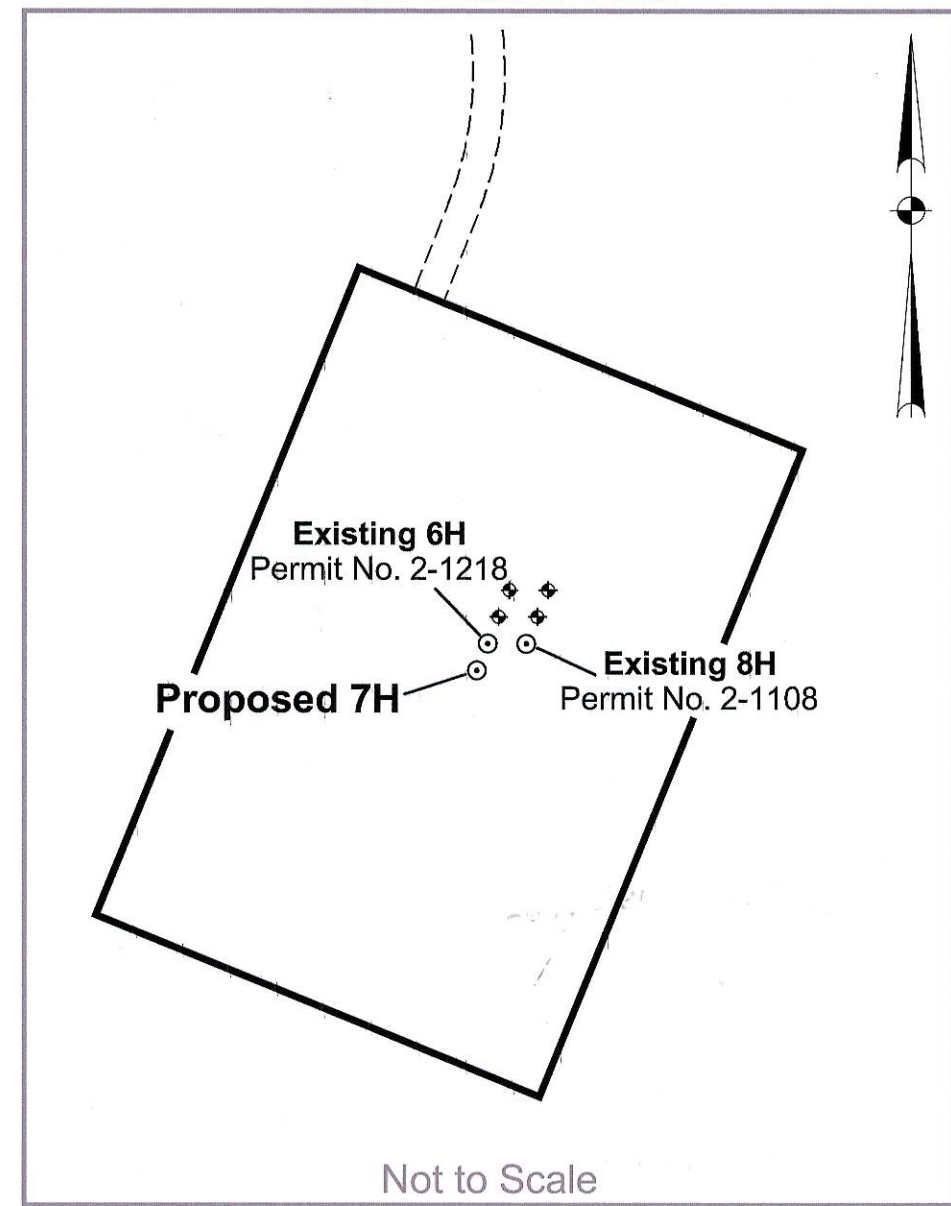


Well Pad Detail



Surface Location
(Coordinates are based on actual GPS field observations)
Ohio State Plane Coordinates North Zone

(NAD 83)	(NAD 27)
X: 2,371,557	X: 2,403,018
Y: 276,972	Y: 276,943
EL (NAVD 88): 1231.8 (Pad Level)	

Geographic Coordinates

(NAD 83)	(NAD 27)
Lat: 40.417716°	Lat: 40.417651°
Long: -81.052426°	Long: -81.052946°

Proposed Last Perforation
Ohio State Plane Coordinates North Zone

(NAD 83)	(NAD 27)
X: 2,371,465	X: 2,402,926
Y: 276,832	Y: 276,803

Geographic Coordinates

(NAD 83)	(NAD 27)
Lat: 40.417335°	Lat: 40.417270°
Long: -81.052765°	Long: -81.052946°

Proposed First Perforation
Ohio State Plane Coordinates North Zone

(NAD 83)	(NAD 27)
X: 2,374,873	X: 2,406,334
Y: 271,014	Y: 270,985

Geographic Coordinates

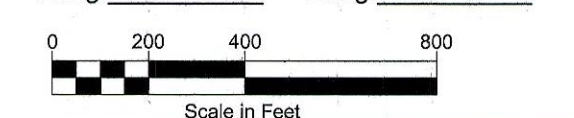
(NAD 83)	(NAD 27)
Lat: 40.401212°	Lat: 40.401147°
Long: -81.040877°	Long: -81.041058°

Bottom Hole
Ohio State Plane Coordinates North Zone

(NAD 83)	(NAD 27)
X: 2,374,964	X: 2,406,425
Y: 270,859	Y: 270,830

Geographic Coordinates

(NAD 83)	(NAD 27)
Lat: 40.400782°	Lat: 40.400716°
Long: -81.040560°	Long: -81.040741°



Plat Showing Location of Well
State of Ohio, Department of Natural Resources - Division of Oil & Gas Resources Management, Columbus, Ohio

Lease Name: **Long 21-12-5** Well No.: **7H**
XX Oil or Gas XX New Location Scale: 1" = 400'

I hereby state that all drilling or producing wells within 1000 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 Oil & Gas Resources Management (OAC 1501:9-1)

David Bodo
David Bodo & Associates, Inc.
Professional Surveyors
5175 Tongo Rd NW, Carrollton, Ohio, 44615
(330) 863-2300

Registered Surveyor Number 6321 or Registered Surveyor Number 8239

Operator: Chesapeake Exploration LLC	Subdivision Civil Township
Address: P.O. Box 18496, Oklahoma City, Oklahoma, 73154-0496	Township: 12 N
Surface Location: Landowner James J. Long	Range: 5 W
Oil & Gas James J. Long	Section: 14, 20, & 21 Lot:
Coal James J. Long	Tract: -
County: Harrison Township: Rumley	Subdivision: Old Seven Ranges
Urbanized Area: Non-Urbanized Quad: Scio	

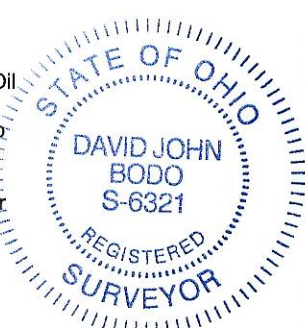
FEMA Panel No.: 39067C0070D Zone: "X" Effective: May 4, 2009 Job No.: CHK 2156 Date: 08/01/2013

34-067-2-1220-00-00

Surface Location Distances to Original PLSS Lines	Proposed Last Perforation Distances to Original PLSS Lines
S.W. 1/4, Sec. 21	S.W. 1/4, Sec. 21
905' to N.L.	1045' to N.L.
365' to E.L.	450' to E.L.

Proposed First Perforation Distances to Original PLSS Lines	Bottom Hole Distances to Original PLSS Lines
S.W. 1/4, Sec. 14	S.W. 1/4, Sec. 14
1205' to S.L.	1055' to S.L.
435' to W.L.	530' to W.L.

- NOTES:
- 1) Unless otherwise indicated Mineral Rights for properties that are contained within the setback distance boundaries are assumed to be held in fee simple in order to satisfy Division of Oil & Gas Resources Management requirements for the Well Permit Application and Survey Plat.
 - 2) The Drilling Unit Boundary shown is intended to comply with Division of Oil & Gas Resources Management Survey Plat Requirements in order to identify the setback distance. The unit boundary shown is not intended to indicate a unit for production purposes.
 - 3) Names and acreages compiled from the Harrison County Auditor's and/or Recorder's records.



Rumble No. 1 (CH-3)
Permit No. 2-1001
Plugged & Abandoned

Unknown Owner
Permit No. 6-2076
Plugged & Abandoned