

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

District II
811 S First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720

District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170

District IV
1220 S St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
HOBBS OCD **Energy Minerals and Natural Resources**
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-101
Revised November 14, 2012

JUN 26 2013

☐ AMENDED REPORT

RECEIVED

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

¹ Operator Name and Address COG Operating LLC 2208 West Main Street Artesia, NM 88210		² OGRID Number 229137 30-025-34258
³ Property Code 39999	⁴ Property Name Gettysburg 16 State SWD	⁵ Well No 1

7. Surface Location

UL - Lot J	Section 16	Township 23S	Range 34E	Lot Idn	Feet from 1980	N/S Line South	Feet From 1980	E/W Line East	County Lea
---------------	---------------	-----------------	--------------	---------	-------------------	-------------------	-------------------	------------------	---------------

8. Proposed Bottom Hole Location

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
----------	---------	----------	-------	---------	-----------	----------	-----------	----------	--------

9. Pool Information

¹⁰ Pool Name SWD; Delaware	¹¹ Pool Code 96100
------------------------------------------	----------------------------------

Additional Well Information

¹² Work Type Reentry	¹³ Well Type SWD	¹⁴ Cable/Rotary	¹⁵ Lease Type State	¹⁶ Ground Level Elevation 3423.8'
¹⁷ Multiple N	¹⁸ Proposed Depth 6550'	¹⁹ Formation Delaware	²⁰ Contractor	²¹ Spud Date 7/10/2013
²² Depth to Ground water		²³ Distance from nearest fresh water well		²⁴ Distance to nearest surface water

21. Proposed Casing and Cement Program

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC

Permit Expires 2 Years From Approval
Date Unless Drilling Underway

Casing/Cement Program: Additional Comments

See original completion for installed casing strings.

PU 8 1/2" bit, drill out cement plugs and clean out to 6750'. Spot 100 sx Class C neat cement plug from 6750' to 6550'. Tag plug to verify @ 6550' and re spot plug if necessary. Pick up nickel plated injection packer and set at approximately 4975'. Circulate annulus with packer fluid. Install injection tree. Test tubing x casing annulus to 500 psi for 30 minutes and put well in service as a Delaware open hole SWD 5025' - 6550'.

22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Hydraulic Double Ram	3000	3000	

SWD-1416

²⁵ I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify that I have complied with 19.15.14.9 (A) NMAC <input type="checkbox"/> and/or 19.15.14.9 (B) NMAC <input type="checkbox"/> if applicable. Signature: <i>Mayte Reyes</i>		OIL CONSERVATION DIVISION	
Printed name: Mayte Reyes		Approved By: <i>[Signature]</i>	
Title: Regulatory Analyst		Title: Petroleum Engineer	
E-mail Address: mreyes1@concho.com		Approved Date: Expiration Date:	
Date: 6/25/2013		Phone: 575-748-6945	
Conditions of Approval Attached			

JUN 26 2013

DISTRICT I
1025 N. FRENCH DR., HOBBES, NM 88240
Phone: (575) 383-6181 Fax: (575) 383-0720

DISTRICT II
1301 W. GRAND AVENUE, ARTESIA, NM 88210
Phone: (575) 748-1253 Fax: (575) 748-0720

DISTRICT III
1000 RIO BRAZOS RD., AZTEC, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170

DISTRICT IV
11885 S. ST. FRANCIS DR., SANTA FE, NM 87505
Phone: (505) 478-3480 Fax: (505) 478-3482

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
11885 SOUTH ST. FRANCIS DR.
Santa Fe, New Mexico 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025- 34258	Pool Code 96100	Pool Name SWD; Delaware
Property Code 39979	Property Name GETTYSBURG 16 STATE SWD	Well Number 1
OCRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 3423.8

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
J	16	23-S	34-E		1980	SOUTH	1980	EAST	LEA

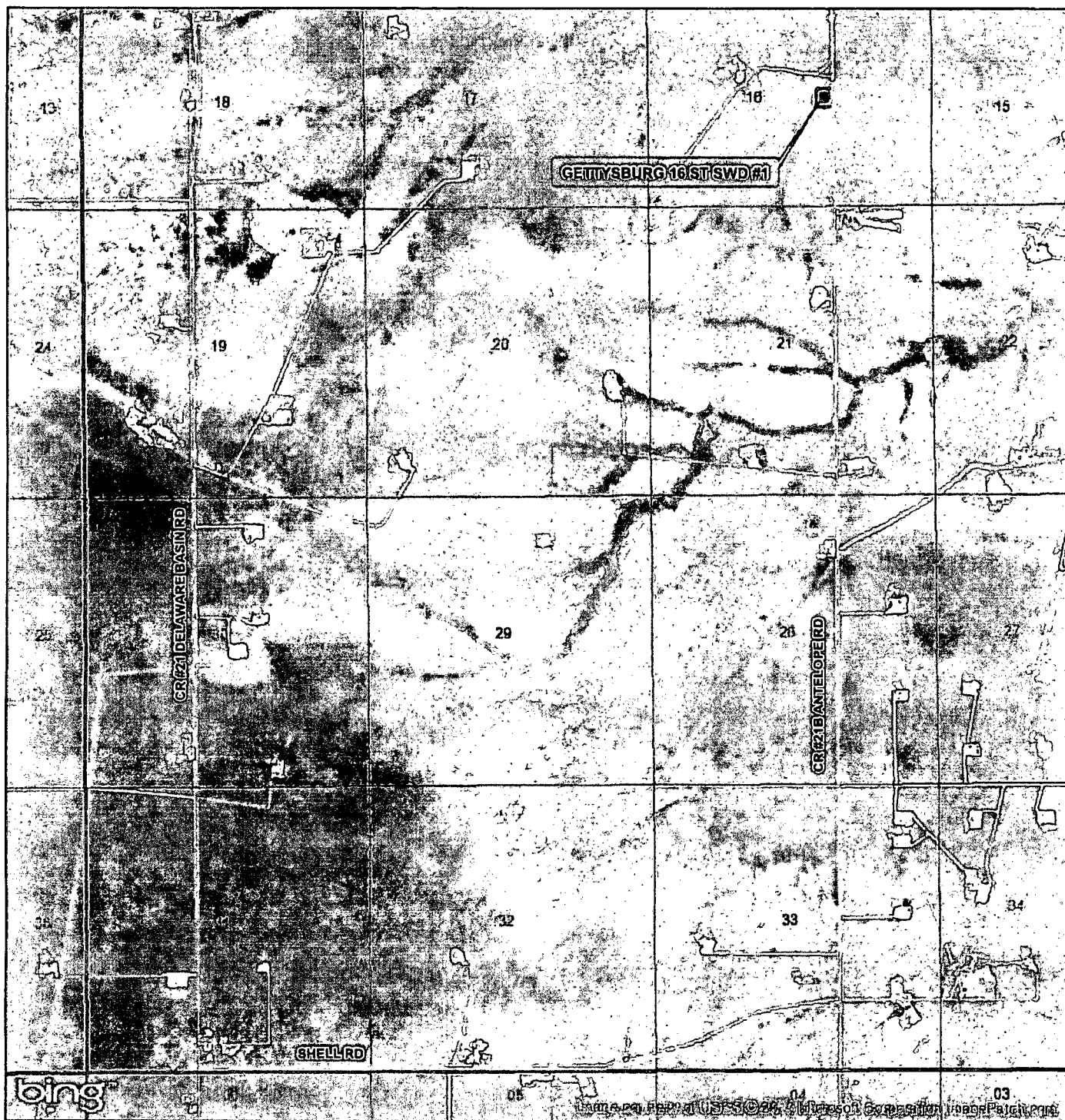
Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres	Joint or Infill	Consolidation Code	Order No.						
			SWD-1416						

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

	OPERATOR CERTIFICATION <i>I hereby certify that the information herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</i> Signature: <i>Rand French</i> Date: <i>6/25/13</i> Printed Name: <i>Rand French</i> E-mail Address: <i>Rfrench@concho.com</i>
	SURVEYOR CERTIFICATION <i>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</i> MAY 23, 2013 Date of Survey Signature & Seal of Professional Surveyor Certificate No. CHAD HARCROW 17777 W.O. # 13-312 DRAWN BY: VD

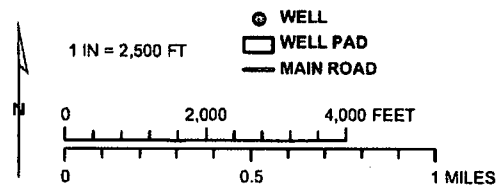
LOCATION VERIFICATION MAP



SEC. 16, TWP. 23 S, RGE. 34 E
 SURVEY: N.M.P.M
 COUNTY: LEA STATE: NEW MEXICO
 DESCRIPTION: GETTYSBURG 16 ST SWD #1
 ELEVATION: 3423.8

OPERATOR: COG OPERATING LLC
 LEASE: GETTYSBURG 16 ST

W.O. # 13-312

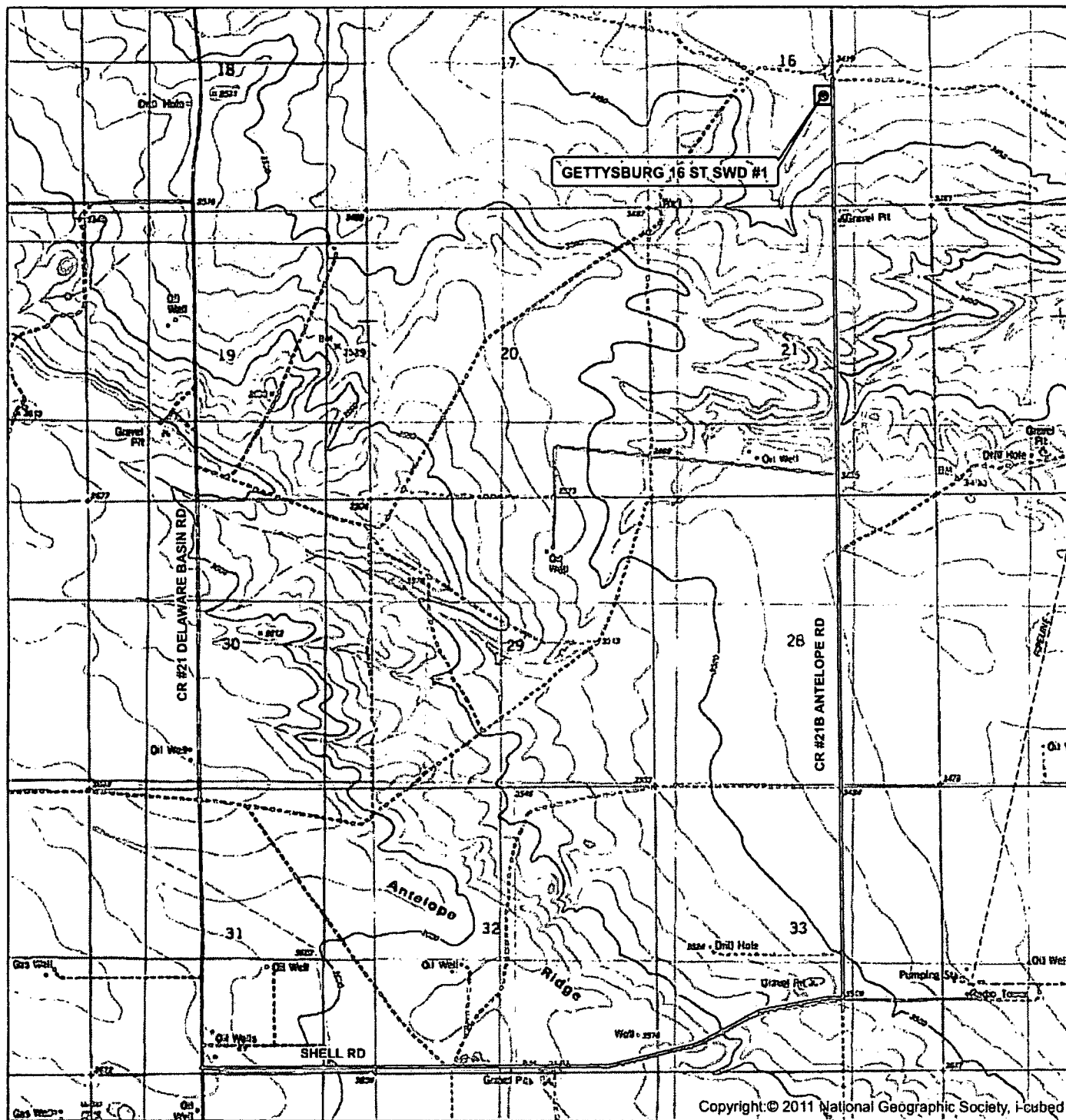


HARCROW SURVEYING, LLC
 1107 WATSON, ARTESIA N.M. 88210
 PH: (575) 513-2570 FAX: (575) 746-2158
 chad_harcrow77@yahoo.com



MAP DATE: 5/30/2013

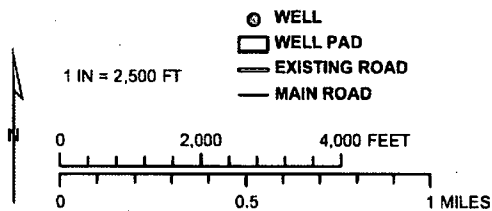
LOCATION VERIFICATION MAP



SEC. 16, TWP. 23 S, RGE. 34 E
 SURVEY: N.M.P.M.
 COUNTY: LEA STATE: NEW MEXICO
 DESCRIPTION: GETTYSBURG 16 ST SWD #1
 ELEVATION: 3423.8

OPERATOR: COG OPERATING LLC
 LEASE: GETTYSBURG 16 ST

W.O. # 13-132

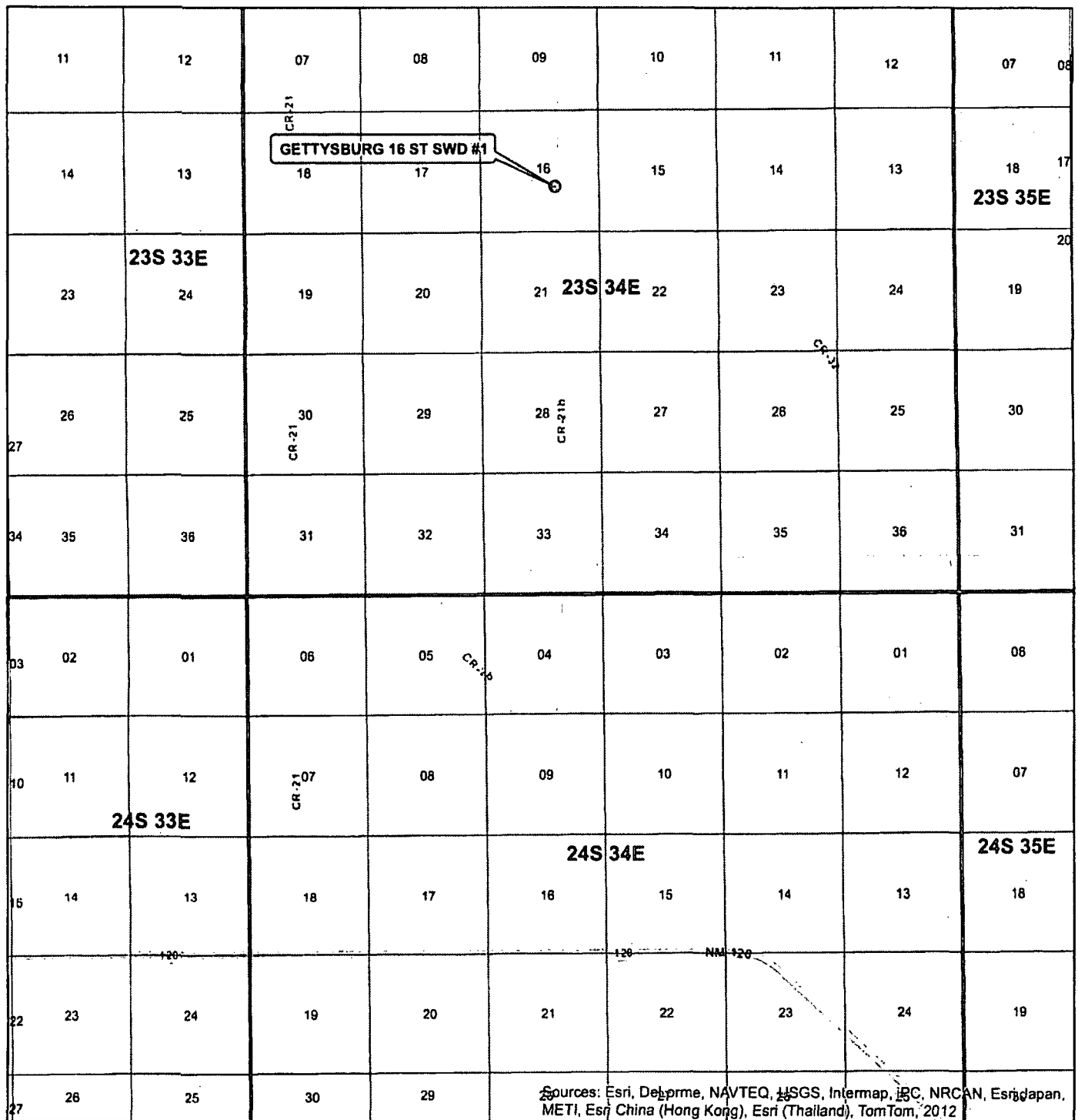


HARCROW SURVEYING, LLC
 1107 WATSON, ARTESIA N.M. 88210
 PH: (575) 513-2570 FAX: (575) 746-2158
 chad_harcrow77@yahoo.com



MAP DATE: 5/30/2013

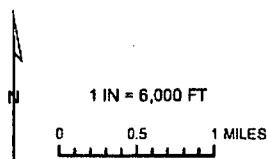
VICINITY MAP



SEC. 16, TWP. 23 S, RGE. 34 E
 SURVEY: N.M.P.M
 COUNTY: LEA STATE: NEW MEXICO
 DESCRIPTION: GETTYSBURG 16 ST SWD #1
 ELEVATION: 3423.8

OPERATOR: COG OPERATING LLC
 LEASE: GETTYSBURG 16 ST

W.O. # 13-312



HARCROW SURVEYING, LLC
 1107 WATSON, ARTESIA N.M. 88210
 PH: (575) 513-2570 FAX: (575) 746-2158
 chad_harcrow77@yahoo.com



MAP DATE: 6/4/2013