

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

Form C-101  
Revised November 14, 2012

Energy Minerals and Natural Resources  
**HOBBS OCD**

Oil Conservation Division

AMENDED REPORT

1220 South St. Francis Dr. **DEC 17 2012**

Santa Fe, NM 87505

**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	
3. Property Code 39577		4. Property Name Gunner 16 State SWD	
		5. API Number 30-025-40890	
		6. Well No 1	

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
D	16	16S	34E		330	North	330	West	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

SWD: Delaware	Pool Name Bell Canyon - Cherry Canyon	Pool Code -96100 96802
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Additional Well Information

11. Work Type New Well	12. Well Type SWD	13. Cable/Rotary	14. Lease Type State	15. Ground Level Elevation 3342.2
16. Multiple N	17. Proposed Depth 7000	18. Formation Delaware	19. Contractor	20. Spud Date 12/18/2012
Depth to Ground water		Distance from nearest fresh water well		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
Surface	17.5	13.375	54.5	600		
Intrmd	12.25	9.625	40	5280	1450	
Open Hole	8.75	7	26	7000	400	4780

Casing/Cement Program: Additional Comments

Plan to drill a 17-1/2" hole to 875' with Fresh Water. Run 13-3/8", 54.5#, J-55 csg and cmt to surface. Drill 12-1/4" hole to 5280' with Brine, and run 9-5/8", 40#, J55/N80 and cement to surface in 1 stage. Drill 8-3/4" hole to 7000' with cut-brine and run 7", 26#, J55 and tie back cement 500' into previous casing string.

22. Proposed Blowout Prevention Program **Permit Expires 2 Years From Approved Date Unless Drilling Underway**

Type	Working Pressure	Test Pressure	Manufacturer
Double Ram	3000	3000	Cameron

23. 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> Printed name: Mayte Reyes Title: Production Analyst E-mail Address: mreyes1@concho.com Date: 12/13/2012 Phone: 575-748-6945	OIL CONSERVATION DIVISION	
	Approved By: <i>[Signature]</i>	
	Title: Petroleum Engineer	
	Approved Date: <b>DEC 19 2012</b>	Expiration Date:
	Conditions of Approval Attached	

DEC 20 2012

**HOBBS OCD**

DEC 18 2012

DISTRICT I  
1625 N. FRENCH DR., HOBBS, NM 88240

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-102  
Revised October 12, 2010  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

DISTRICT II  
1301 W. GRAND AVENUE, ARTESIA, NM 88210

**RECEIVED**  
**OIL CONSERVATION DIVISION**  
11885 SOUTH ST. FRANCIS DR.  
Santa Fe, New Mexico 87505

DISTRICT III  
1000 RIO BRAZOS RD., AZTEC, NM 87410

DISTRICT IV  
11885 S. ST. FRANCIS DR., SANTA FE, NM 87505

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

AMENDED REPORT

API Number <b>30-025-40890</b>	Pool Code <b>96802</b>	Pool Name <b>SWD; Bell Canyon - Cherry Canyon</b>
Property Code <b>39597</b>	Property Name <b>GUNNER 16 STATE SWD</b>	Well Number <b>1H</b>
OGRID No. <b>229137</b>	Operator Name <b>COG OPERATING, LLC</b>	Elevation <b>3342.2'</b>

**Surface Location**

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	16	26-S	34-E		330	NORTH	330	WEST	LEA

**Bottom Hole Location If Different From Surface**

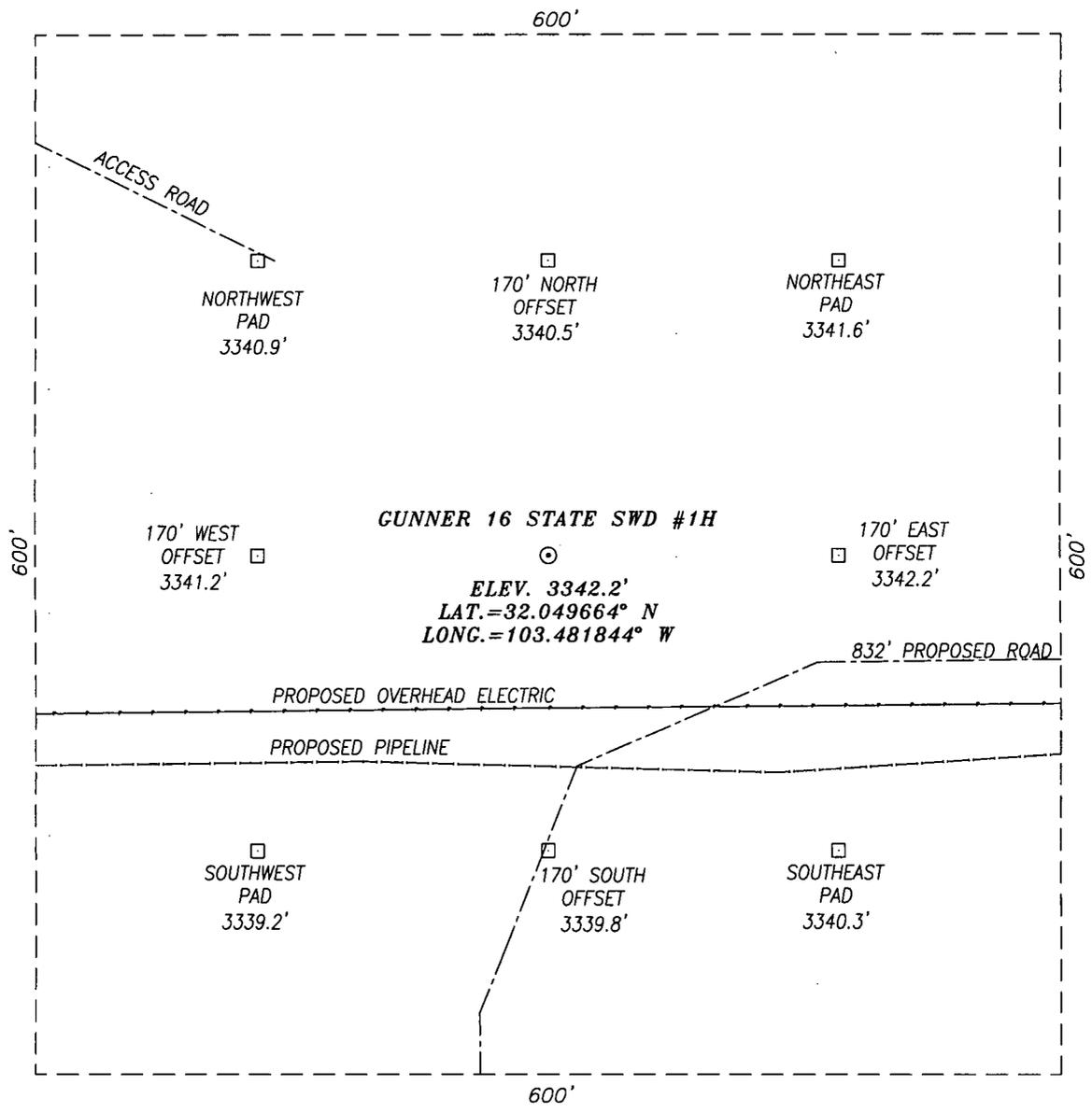
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

Dedicated Acres	Joint or Infill	Consolidation Code	Order No. <b>SWD-1367</b>
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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

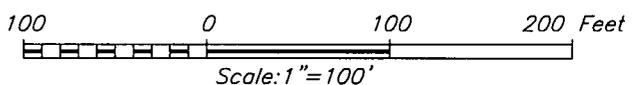
	<p><u>NAD 27</u> <u>SURFACE LOCATION</u> Y=382833.3 N X=763818.9 E LAT.=32.049664° N LONG.=103.481844° W</p>	<p><b>OPERATOR CERTIFICATION</b></p> <p><i>I hereby certify that the information herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working 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></p> <p>Signature _____ Date _____</p> <p>Printed Name _____</p>
		<p><b>SURVEYOR CERTIFICATION</b></p> <p><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></p> <p>OCTOBER 29, 2012 Date Surveyed</p> <p>Signature &amp; Seal of Professional Surveyor</p>
		<p><i>Chad Harcrow 11/30/12</i></p> <p>Certificate No. CHAD HARCROW 17777 W.O. # 12-183 2012-037</p>

SECTION 16, TOWNSHIP 26 SOUTH, RANGE 34 EAST, N.M.P.M.,  
LEA COUNTY NEW MEXICO



DIRECTIONS TO LOCATION:

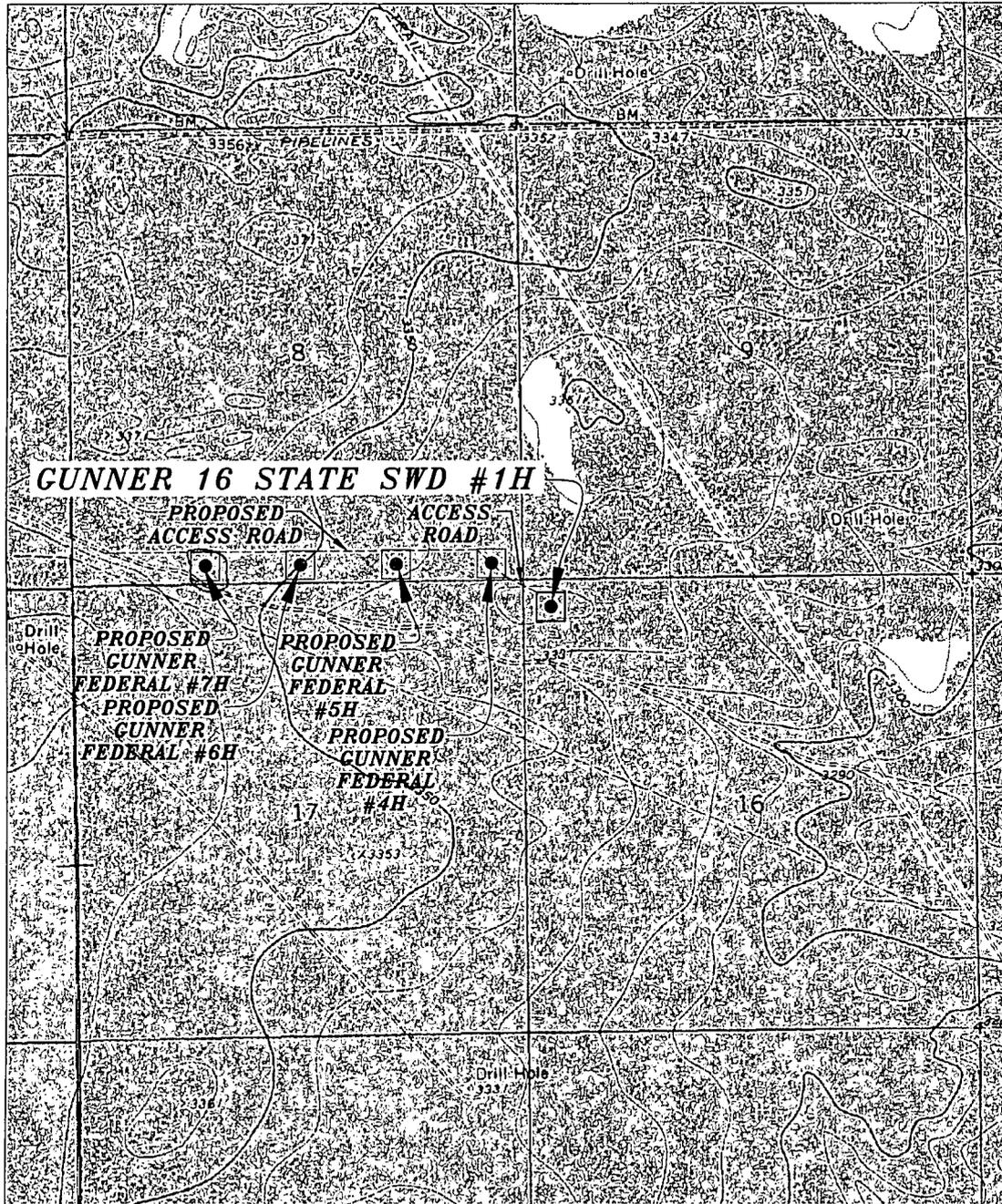
FROM THE INTERSECTION OF ST. HWY. 128 AND BATTLE AXE RD (CR-2).  
GO SOUTH WITH MEANDERING BATTLE AXE RD. APPROX. 13.1 MILES.  
TURN LEFT AND HEAD EAST APPROX. 2.4 MILES. THEN TURN RIGHT AND  
GO SOUTH APPROX. 0.8 MILES. TURN LEFT ONTO CALICHE LEASE ROAD  
AND HEAD EAST APPROX. 0.8 MILES TO STAKED GUNNER FEDERAL #7  
FOLLOW PROPOSED ROAD FOR APPROX. 0.8 MILES AND WELL IS 1000  
FEET SOUTH.



**HARCROW SURVEYING**  
1107 WATSON, ARTESIA N.M. 88210  
PH: (575) 513-2570  
FAX: (575) 746-2808  
EST. 2007

<b>COG OPERATING, LLC</b>	
GUNNER 16 STATE SWD #1H WELL LOCATED 330 FEET FROM THE NORTH LINE AND 330 FEET FROM THE WEST LINE OF SECTION 16, TOWNSHIP 26 SOUTH, RANGE 34 EAST, N.M.P.M., LEA COUNTY, NEW MEXICO	
SURVEY DATE: OCTOBER 29, 2012	PAGE: 1 OF 1
DRAFTING DATE: NOVEMBER 29, 2012	
APPROVED BY: CH	DRAWN BY: DDSI
FILE: 12-183	

# LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

CONTOUR INTERVAL: 10'

SEC. 16 TWP. 26-S RGE. 34-E  
 SURVEY N.M.P.M.  
 COUNTY LEA STATE NEW MEXICO  
 DESCRIPTION 330' FNL & 330' FWL  
 ELEVATION 3342'  
 OPERATOR COG OPERATING, LLC  
 LEASE GUNNER 16 STATE SWD  
 U.S.G.S. TOPOGRAPHIC MAP  
 ANDREWS PLACE, N.M.

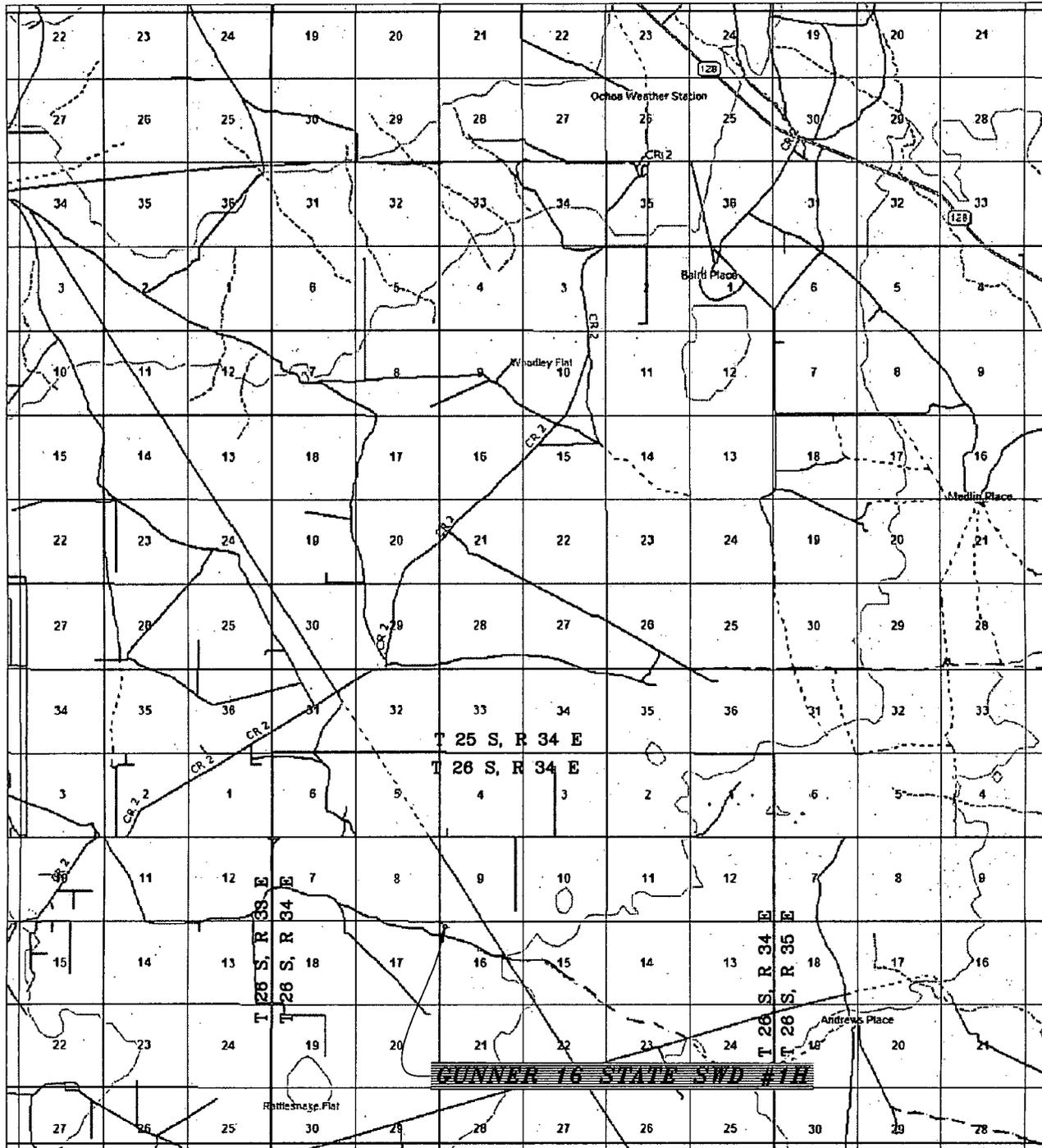
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 EST. 2007



**COG OPERATING, LLC**

SURVEY DATE: OCT. 29, 2012	PAGE: 1 OF 1
DRAFTING DATE: NOV. 29, 2012	
APPROVED BY: CH	DRAWN BY: DDSI FILE: 12-183

# VICINITY MAP



SEC. 16 TWP. 26-S RGE. 34-E  
 SURVEY N.M.P.M.  
 COUNTY LEA STATE NEW MEXICO  
 DESCRIPTION 330' FNL & 330' FWL  
 ELEVATION 3342'  
 OPERATOR COG OPERATING, LLC  
 LEASE GUNNER 16 STATE SWD

SCALE: 1" = 1 MILE

HARCROW SURVEYING  
 1107 WATSON, ARTESIA N.M. 88210  
 PH: (575) 513-2570  
 FAX: (575) 746-2808  
 EST. 2007

<b>COG OPERATING, LLC</b>		
SURVEY DATE: OCT. 29, 2012	PAGE: 1 OF 1	
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