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

Printed name: Mayte Reyes

E-mail Address: mreyes1@concho.com

Phone: 575-748-6945

Title: Regulatory Analyst

Date: 1/10/2013

HOBBS OCD

JAN 11 2013

Energy Minerals and Natural Resources

State of New Mexico

Oil Conservation Division

1220 South St. Francis Dr.

Form C-101 Revised November 14, 2012

☐AMENDED REPORT

1220 S. St. Francis Dr., Santa Fe, NM 87505 Phone: (505) 476-3460 Fax: (505) 476-3462		RECEIVED	Sant	a Fe, NM 87505				
APPLI	CATIO	N FOR	PERMIT TO	O DRILL, RE-EN	NTER, DEEPEN,	PLUGBACK	K, OR ADD	A ZONE
		-	Operator Name a	nd Address			OGRID Number	
			COG Operatir 2208 West Ma	ng LLC in Street			229137	
			Artesia, NM			30-029	SAPI Number	110
2918m	rty Code			^{3.} Property 1 Lightning 1 Sta			^{6.} Well	No
0,00	<u> </u>			7. Surface Lo			1.	
UL - Lot	Section	Township	Range	Lot Idn Feet fi		Feet From	E/W Line	County
14	1	21S	33E	348	1	2300	West	Lea
				8 Proposed Botto	m Hole Location			
UL - Lot	Section	Township	Range	Lot Idn Feet fi	rom N/S Line	Feet From	E/W Line	County
		l						,
•				9. Pool Infor	mation			
SWD; Delaware	.Che	erry (Caryon -	Bushy Co	Lnyon		97996	Pool Code
		,	•	Additional Well				·
	rk Type Well		12. Well Type SWD	13. Cable/I	Rotary 14. Lease Type 15. Ground Level Elevat State 3783 82			
^{16.} M	ultiple		17 Proposed Depth	18. Forma		19. Contractor 20. Spud Date 1/20/2013		Spud Date
N 7500' Depth to Ground water				nce from nearest fresh water				
•			21.	Proposed Casing and	Cement Program	I		
Туре	Hol	e Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Ce	ement F	Estimated TOC
Surface	-	7.5	13.375	54.5	1800	1150		
						+		
Intrmd		2.25	9.625	40	5500	1675		
Open Hole	8	3.75	7	26	7500	500		2500
Plan to d	rill a	17-1/2"	Casing	g/Cement Program:	Additional Comments Run 13-3/8", 54.5	§ 5#. J-55 csα a:	nd cmt to sur	face. Drill
1					J55/N80 and cement			
hole to 7	500' wi	th cut-b	rine and run 7	7", 26#, J55 and t	ie back cement 3,00	00' into previ	ous casing st	ring.
								A minimal
			^{22.} I	Proposed Blowout Pi	revention Program P	ermit Expire	s 2 Years Fu ss Drilling T	Inderway
Туре		w	orking Pressure	Test Press	sure Date United	Manu	facturer	
Double Ram			3000	3000	Ī	Can	neron	
	خي		.5	WD: 137	3	<u> </u>		
23. I hereby ce best of my kn			ion given above is tro	ue and complete to the	OIL	CONSERVAT	ION DIVISIO	N
I further certify that I have complied with 19.15.14.9 (A) NMAC \(\square\) and/or 19.15.14.9 (B) NMAC \(\square\), if applicable.				Approved By:				

Title:

Approved Date:

Conditions of Approval Attached

Expiration Date:

DISTRICT I 1625 N. PRENCH DR., EGRRS, NM 68240

State of New Mexico State of New Mexico Energy, Minorals and Natural Resources Department AN 1 1 2013

Form C-102

DISTRICT II

1301 W. GRAND AVENUE, ARTESIA, NW SERIO

OIL CONSERVATION DIVISION 11885 SOUTH ST. FRANCIS DRRECEIVED Santa Fe, New Mexico 87505

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

DISTRICT III

DISTRICT IV

1000 RIO BRAZOS RD., AZTEC, NM 87410

LIGHT S. ST. PRANCES DR., SANTA PR. NW 62505

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

CLOSE D. DI. PRESCHI DEL, DARTE FOL N	# 01003			
30-025-40	917 97996	SWD! Cherry	Canuan -	Bushy Canyon
39623	·	perty Name 1 STATE SWD		Well Number
229137		rator Name CRATING, LLC		Elevation 3783.8'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/Vest line	County
14	1	21-S	33-E		3480	SOUTH	2300	WEST	LEA

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	e Feet from the	East/West line	County
Dedicated Acres	Joint of	Infill Co	noilsbiloen	Code Or	der No.				
					-Su1	0 13	13		

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

	LOT 4	LOT 3		LOT 2	LOT 1
	Ac.=40.33	Ac.=40.	23	Ac.=40.12	Ac.=40.01
	LOT 5	LOT 6		LOT 7	LOT 8
	Ac.=40.12	Ac.=40.	13	Ac.=40,14	Ac.=40.15
	LOT 12	LOT 1	1	LOT 10	LOT 9
	Ac.=40.11	Ac.=40.	13	Ac.=40.13	Ac.=40.14
	2300'	S.L.	2	LOT 15	LOT 16
<u>NAD 27</u> SURFACE LOCATION	LOT 13 Ac.≃40.10	LOT 14 Ac.=40.1	2	Ac.=40.12	Ac.=40.13
Y=550191.9 N X=748640.6 E					
LAT.=32.510002* N LONG.=103.526768* W			3480'		
	L	l	Li		

OPERATOR CERTIFICATION

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 bole 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.

SURVEYOR CERTIFICATION

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.

NOVEMBER 17, 2012

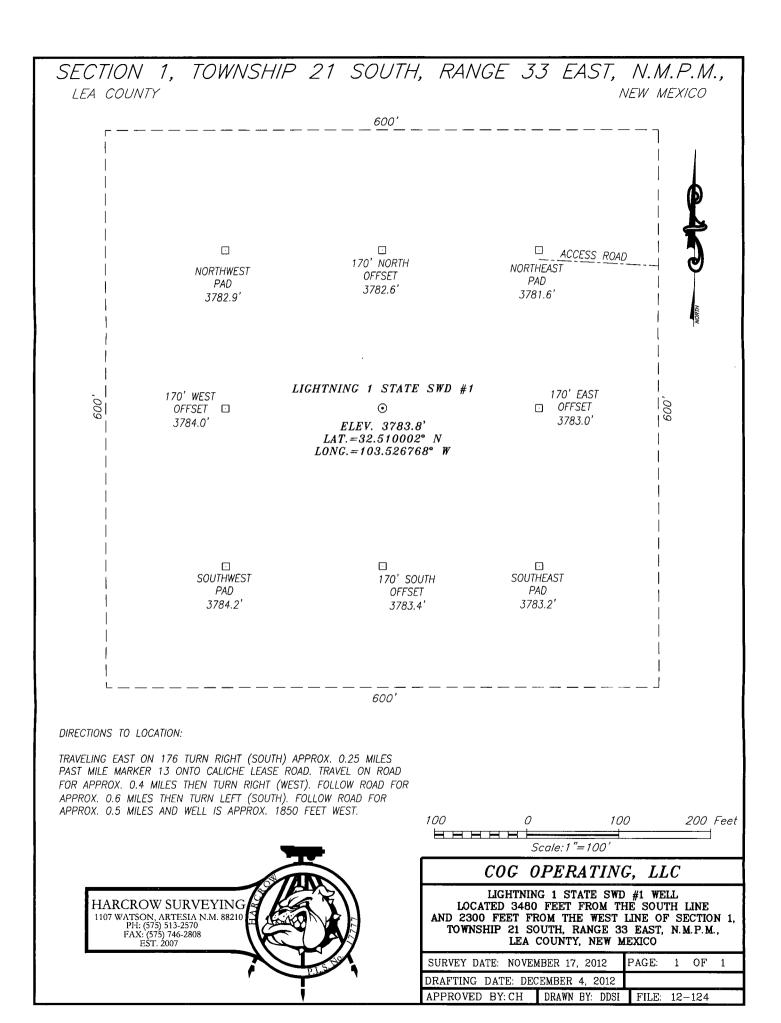
Date Surveyed Signature & Seal of Professional Surveyor

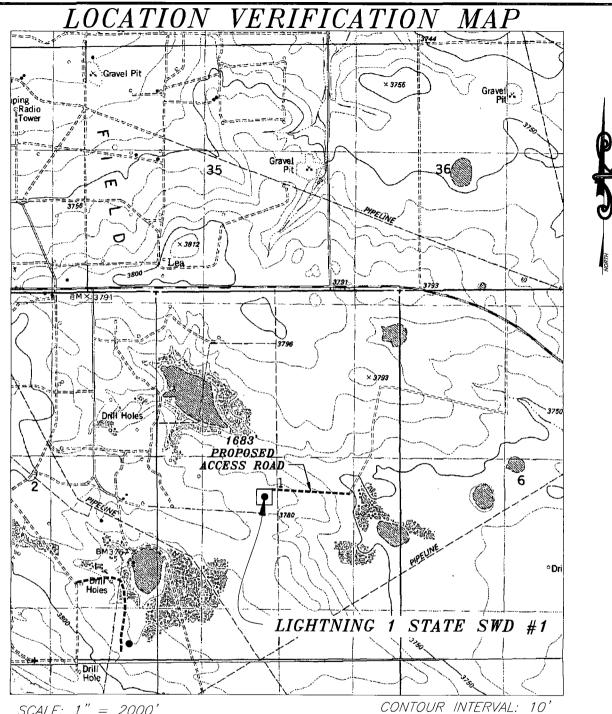
CHAOL HARCROY FM MEXICO 9

Certificate No. CHAD HARCROW W.O. ∦ 12-124

2012-037

tarter 1/10/13





SCALE: 1" = 2000'

SEC. 1 _TWP. __21-S_RGE. __33-E

SURVEY _N.M.P.M.

COUNTY LEA STATE NEW MEXICO

DESCRIPTION 3480' FSL & 2300' FWL

ELEVATION____ *3784* '

OPERATOR COG OPERATING, LLC

LEASE LIGHTNING 1 STATE SWD

U.S.G.S. TOPOGRAPHIC MAP LEA, N.M.

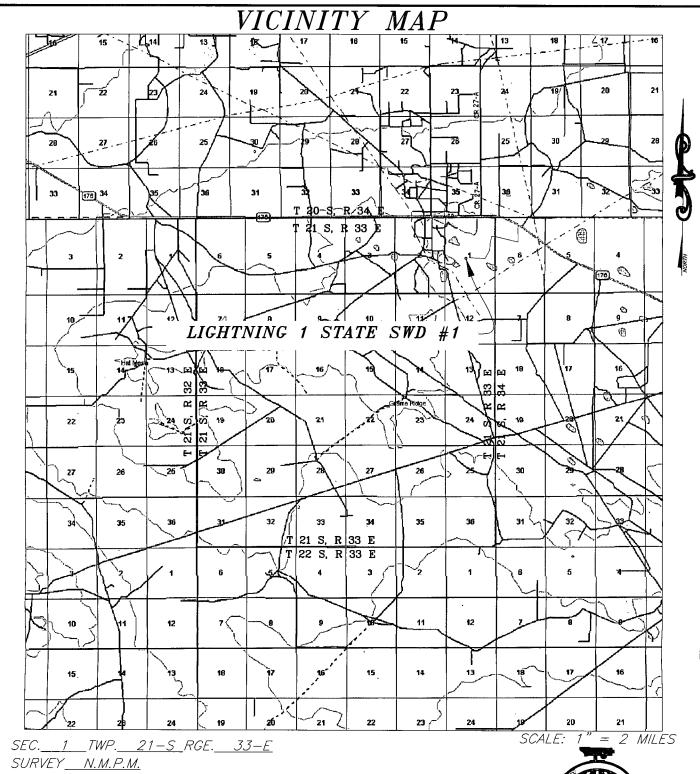




COG	OPERA	TING.	LLC

PAGE: SURVEY DATE: NOV. 17, 2012 1 DRAFTING DATE: DEC. 06, 2012

APPROVED BY: CH DRAWN BY: DDSI FILE: 12-124



COUNTY LEA STATE NEW MEXICO

DESCRIPTION 3480' FSL & 2300' FWL

ELEVATION_____3784'

OPERATOR COG OPERATING, LLC

LEASE LIGHTNING 1 STATE SWD



COG	OPERATING,	LLC
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SURVEY DATE: NOVEMBER 17, 2012 PAGE:

PAGE: 1 OF 1

DRAFTING DATE: DECEMBER 06, 2012

APPROVED BY: CH DRAWN BY: DDSI FILE: 12-124

Lightning 1 State SWD 1

	Hole					
	Size	Casing	Wt	Depth	Cmt	TOC
Surface	17.5	13.375	54.5	1800'	1150	0
Intrmd	12.25	9.625	40	5500 ′	1675	. 0
Open Hole	8.75	7	26	7500'	500	2500'

Plan to drill a 17-1/2" hole to 1800' with Fresh Water. Run 13-3/8", 54.5#, J-55 csg and cmt to surface. Drill 12-1/4" hole to 5500' with Brine, and run 9-5/8", 40#, J55/N80 and cement to surface in 2 stages. Drill 8-3/4" hole to 7500' with cut-brine and run 7", 26#, J55 and tie back cement 3,000' into previous casing string.

Well Control

Type	Pressure	Test	Manufacture
Double Ram	3000	3000	Cameron