Form 3160-4 (August 2007)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED OMB No. 1004-0137 Expires: July 31, 2010

	WELL	OWIPL	EHONU	K KEC	UNIPLE	HON	REPUR DIS	HICTH	RAFOR	IAIAI		MNM1129				
la. Type of	Well Completion	Oil Well ⊠ N		Vell [Other Deeper		ug Back	Diff. F	Resvr.	6. If	Indian, Allo	ttee or	Tribe Nan	ne	<u> </u>
0. Type 01	Completion		r				-				N	nit or CA Ag MNM1392	94 ′		nd No.	_
	PÉRATING			-Mail: aav	Contac ery@con	cho.com					R	ase Name a OAD RUN			СОМ	23H
3. Address	600 W ILL MIDLAND						3a. Phone : Ph: 575-7	No. (include 48-6940	e area code)	9. Al	PI Well No.	30-01	5-45184-0	00-S1	
	Sec 36	T25S R	26E Mer NN	learly and in accordance with Federal requirements)* Mer NMP								10. Field and Pool, or Exploratory PURPLE SAGE-WOLFCAMP (GAS)				
At surface At top pr	rod interval r	eported be	elow SES	36 T25S W 210FS	R26E Mei	r NMP		at, 104.248	3138 W Lo	on		Sec., T., R., I r Area Sec				
At total of			R26E Mer NL 1982FW		575 N Lat	i, 104.24	48359 W L	.on				County or Pa DDY	rish	13. Sta		
14. Date Sp 10/19/2	udded 018			te T.D. Re 22/2018	eached			ate Complet & A 🔼 /12/2019	ed Ready to I	Prod.	17. I	Elevations (I 335	OF, KB 1 GL	, RT, GL)	*	
18. Total D	epth:	MD TVD	18991 8936	8946	9. Plug Ba	ick T.D.:	MD TVD		919 36	20. Dep	th Bri	dge Plug Set			919 36	-
21. Type El	ectric & Oth	er Mechai			t copy of e	ach)			Was	well cored DST run? ctional Sur		№ No№ No№ No	Yes Yes	(Submit a (Submit a (Submit a	nalysis nalysis))
23. Casing an	d Liner Reco	ord (Repo	rt all strings	set in well)				L	one ou	·		<u> </u>	(Submit u	1141 y 313	<u></u>
Hole Size	Size/G	rade	Wt. (#/ft.)	Top (MD)	Botto (MI		age Cement Depth		of Sks. & of Cement	Slurry (BB		Cement T	op*	Amour	ıt Pulle	d
26.000		000 J55	106.5		0	384		,	85				0			_
17.500 12.250		375 J55 625 L80	61.0 47.0	•		2058 3330			145 160				0		,	
8.500		025 L00 00 P110	20.0			3976	- :		375				0		M	
0.000	0.0					-							Ů		N	<u> </u>
24. Tubing	Record					<u>l</u>								<u> </u>		—
	Depth Set (M		acker Depth	······	Size	Depth Se	et (MD)	Packer De	pth (MD)	Size	De	pth Set (MI)) 1	Packer De	pth (M	D)
2.875 25. Producir		8490	•	8480		26. Per	rforation Re	ecord		<u> </u>	1					_
Fo	rmation		Тор		Bottom	. \	Perforate	ed Interval		Size	1	No. Holes		Perf. Sta	tus	
A)	WOLFC	AMP		9170	18826	ļ		9170 TC	18826			1760	OPEN	<u> </u>		
B)						<u> </u>										
C) '						-					_					—
D) 27. Acid, Fr	acture, Treat	ment, Cer	nent Squeeze	Etc.		l	· · · ·									
	Depth Interva	al		•				Amount an	d Type of l	Material						
	917	0 TO 18	326 SEE AT	TACHED												
·										, , ···-	• •.			·		
28. Producti	on - Interval							1.								
Date First Produced 02/12/2019	Test Date 02/12/2019	Hours Tested 24	Production	Oil BBL 125.0	Gas MCF 392.0	Wate BBL		l Gravity str. API	Gas Gravi	ty	Product	ion Method	GAS-LI	FT		-
Choke Size	Tbg. Press. Flwg. 1650	i .	24 Hr. Rate	Oil BBL	Gas MCF	Wate BBL	Ra	s:Oil tio	Well	Status AC PGW	CEF	TED F	ÛŔ	RECC	IRD	Γ
24/64 28a. Produc	si tion - Interva	1200.0 I B		125	392		4539		.]	GVV						\vdash
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Wate BBL		l Gravity ett. API	Gas Gravi	ty	Product	id Mahod 1	8 20	19	6	
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	. Wate BBL		s:Oil tio	Well	Status Bl	REAL	<i>LAGA</i> J OF LAND	MAK	AGEMEN	IT	
	SI	<u> </u>		<u> </u>							CAF	RLSBAD FI	ELD C	FFICE		<u> </u>

(See Instructions and spaces for additional data on reverse side)
ELECTRONIC SUBMISSION #457010 VERIFIED BY THE BLM WELL INFORMATION SYSTEM
** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED **



Date First Produced Date Tested Hours Tested BBL Gas BBL Corr. API Gravity Gas Gravity Production Method Production Method BBL Corr. API Gravity Gravity Production Method Gravity Size Flwg. Press. Size Flwg. Production - Interval D Date First Test Hours Production BBL Gas BBL Corr. API Gas Gravity Gr	28b. Produ	action - Interv	al C													
Cheke Tap, Press, Gg Va Hr. Old Gar Ball Gas Old Salvo Veil Same 28c. Production - Interval D Date rins Test Grant Test Test Tool Test Gas Old Gas	Date First	Test	Hours								Production Method					
Size Privage Press Privage Press Production - Interval D	· .	<u> </u>	ļ													
Due Fiest Test Producted Dase Tested Production BBL MCF BBL Corr. API Gravity Production Method Production BBL MCF BBL Corr. API Gravity Production Method Gravity Production Method Production BBL MCF BBL Corr. API Gravity Production Method Gravity Production Method Production BBL MCF BBL Corr. API Gravity Production Method Gravity Production Method Production BBL MCF BBL Corr. API Gravity Production Method Gravity Production Method Production BBL MCF BBL Corr. API Gravity Production Method Gravity Production Method Production BBL MCF BBL Corr. API Gravity Production Method Gravity Production Method Production BBL MCF BBL Corr. API Gravity Production Method Gravity Production Method Production BBL MCF BBL Corr. API Gravity Production Method Gravity Production Met		Flwg.						Well Status								
Produced Date Tested Production B81. MCF B81. Corr. API Gravity	28c. Produ	action - Interv	al D		<u> </u>					·l		· · · · · · · · · · · · · · · · · · ·				
Size Five Frest Rate BBL MCF BBL Ratio																
SOLD 30. Summary of Porous Zones (include Aquifers): Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem * tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries. Formation Top Bottom Descriptions, Contents, etc. Name Meta Top Sal.T		Flwg.								Well Status	·	,				
Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries. Formation Top Bottom Descriptions, Contents, etc. Name Mei TOP SALT BASE OF SALT LAMAR 2018 BELL CANYON 2060 CHERRY CANYON 2901 BONE SPRING 1ST 6570 BONE SPRING 3RD 32. Additional remarks (include plugging procedure): Wolfcamp 8827 33. Circle enclosed attachments:			Sold, used	for fuel, ven	ted, etc.)		_	·······		<u> </u>						
tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries. Formation Top Bottom Descriptions, Contents, etc. Name Met TOP SALT BASE OF SALT LAMAR BASE OF SALT LAMAR BELL CANYON 2018 BELL CANYON CHERRY CANYON 20901 BRUSHY CANYON 4010 BRUSHY CANYON BONE SPRING 1ST BONE SPRING 3RD 32. Additional remarks (include plugging procedure): Wolfcamp 8827 33. Circle enclosed attachments:			Zones (Ir	nclude Aquife	ers):		 .			31.	Formation (Log) Markers	. _				
TOP SALT BASE OF SALT BASE OF SALT LAMAR BELL CANYON 2060 CHERRY CANYON 2070 BONE SPRING 1ST BONE SPRING 3RD 32. Additional remarks (include plugging procedure): Wolfcamp 8827	tests, ii	ncluding dept	zones of p h interval	oorosity and c tested, cushi	contents ther on used, tim	eof: Corec e tool ope	d intervals an en, flowing ar	nd all drill-ster and shut-in pre	m • ssures							
BASE OF SALT LAMAR LAMAR BELL CANYON 2060 CHERRY CANYON 2901 BRUSHY CANYON BONE SPRING 1ST BONE SPRING 3RD 32. Additional remarks (include plugging procedure): Wolfcamp 8827 BASE OF SALT LAMAR BELL CANYON CHERRY CANYON BELL CANYON CHERRY CANYON BRUSHY CANYON BRUSHY CANYON BONE SPRING 1ST BONE SPRING 3RD 33. Circle enclosed attachments:		Formation		Тор	Bottom		Descript	tions, Content	s, etc.		Name	Top Meas. Depth				
Wolfcamp 8827 33. Circle enclosed attachments:	BASE OF LAMAR BELL CAN CHERRY (BRUSHY (BONE SPI	SALT NYON CANYON CANYON RING 1ST		1826 2018 2060 2901 4010 6570							BASE OF SALT LAMAR BELL CANYON CHERRY CANYON BRUSHY CANYON BONE SPRING 1ST	445 1826 2018 2060 2901 4010 6570 8425				
Wolfcamp 8827 33. Circle enclosed attachments:		1 2														
	32. Additi Wolfc	onal remarks amp 8827	(include p	olugging proc	edure):	•					,	•				
5. Sundry Notice for plugging and cement verification 6. Core Analysis 7 Other:	1. Ele	ectrical/Mecha	mical Log				_	•			•	tional Survey				
34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions): Electronic Submission #457010 Verified by the BLM Well Information System. For COG OPERATING LLC, sent to the Carlsbad Committed to AFMSS for processing by DEBORAH HAM on 05/20/2019 (19DMH0067SE)			_	Elect	tronic Subm Fo	ission #4 r COG C	57010 Verifi PERATINO	ied by the BL G LLC, sent EBORAH HA	M Well I to the Ca AM on 05	nformation rlsbad /20/2019 (19	n System. 9DMH0067SE)	ctions):				
Name (please print) AMANDA AVERY Title AUTHORIZED REPRESENTATIVE	Name	(please print)	AMAND	A AVERY			<u>.</u>	T	itle <u>AUT</u>	HORIZED F	REPRESENTATIVE					
Signature (Electronic Submission) Date 03/06/2019	Signat	ture	(Electro	nic Submiss	sion)			D	ate <u>03/06</u>	6/2019						
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency	<u>-</u>						·									

DISTRICT II 811 S. FIRST ST., ARTESIA, NM 88210 Phone: (575) 748-1283 Fax: (575) 748-9720

State of New Mexico DISTRICT I
State of New Mexico

1625 N. FRENCH DR., HOBBS, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION

1220 SOUTH ST. FRANCIS DR. Santa Fe, New Mexico 87505

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

DISTRICT III 1000 RIO BRAZOS RD., 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

☐ AMENDED REPORT

	WELL LOCATION AND ACREAGE DEDIC	CATION PLAT
API Number	Pool Code	Pool Name
30-015-45184	98220	Purple Sage; Wolfcamp
Property Code 316775	Property Name ROADRUNNER FEDERAL COI	Well Number 23H
ogrid no.	Operator Name	Elevation
229137	COG OPERATING, LLC	3350:6'

Surface Location

N 36 25-S 26-E 210 SOUTH 2180 WEST	UL or lot No. Section	ip Range Lot l	Idn Feet from the	North/South line	Feet from the	East/West line	County
	N I Sh I	C 1 OE 1	210	SOUTH	2180	WEST	EDDY

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
С	25	25-S	26-E		201	NORTH	1982	WEST	EDDY
Dedicated Acres	Joint o	r Infill Co	nsolidation (Code Ore	ier No.				

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

SEE PAGE 2 PAGE 1 OF 2 DRAWN BY: WN W.O. #19-219

Property Code Property Name Well Number 316775 ROADRUNNER FEDERAL COM 23H OGRID No. Operator Name Elevation 229137 COG OPERATING, LLC 3350.6 201 1982 В.Н. LOWER PERF - 18,826* 366' FNL & 1984' FWLI <u>воттом</u> HOLE LOCATION Y=402882.6 N X=567647.9 E LAT.=32.107575° N LONG.=104.248359° W BOREPATH SHOWN HEREON IS BASED ON DIRECTIONAL SURVEY REPORT PROVIDED BY COG OPERATING, LLC FOR THE ROADRUNNER FEDERAL COM #23H SUPPLIED TO HARCROW SURVEYING, LLC ON FEBRUARY 6, 2019 1200 1200 SCALE: 1"=1200' PATH OPERATOR CERTIFICATION 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 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. SECTION 25 SECTION 36 3/5/19 Signature Date Amanda Avery Printed Name aavery@concho.com E-mail Address 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. MAR. 1, 2018/NOV. 28, 2018 NAD 83 NME Date of Survey/Date of Geographic Survey SURFACE LOCATION Y=392706.2 N Signature & Seal of Professional Surveyor X=567724.1 FLAT.=32.079600° N CHARCAO L. HARCAO LONG.=104.248138° W WEXIC UPPER PERF - 9,170' 579' FSL & 2058' FWL KICK OFF POINT - 8,440' 143' FSL & 2192' FWL 2180' towww 2/18/19 17777 210' Certificate No. CHAD HARCROW W.O. #19-219 PAGE 2 OF DRAWN BY: WN