Form 3160-4 (August 2007)

## DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

**EMNRD-OCD ARTESIA** 

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

WELL COMPLETION OR RECOMPLETION REPORT AND LOG													5. Lease Serial No. NMNM54398						
1a. Type of	f Well 🔲	Oil Well	<b>⊠</b> Gas	Well		ry	Otl	her						6. If	Indian, Alle	ottee o	or Tribe	Name	
b. Type of	f Completion	<b>⊠</b> N	New Well	☐ Wo	rk Ove	er [	☐ Dee	pen	☐ Plu	ug Back		☐ Diff.	Resvr.	7 11	CA A		. 31	1 3.7	
		Oth	er											/. U	nit or CA A	green	ient Na	me and No	0.
Name of Operator Contact: AMANDA AVERY COG OPERATING LLC E-Mail: aavery@concho.com												Lease Name and Well No.     HOWITZER FEDERAL COM 606H							
3. Address 600 W ILLINOIS AVENUE 3a. Phone No. (include area code) Ph: 575-748-6940 9. API Well No. 30-015-45834-00													334-00-S	1					
4. Location of Well (Report location clearly and in accordance with Federal requirements)*										10. Field and Pool, or Exploratory									
Sec 12 T24S R28E Mer NMP At surface SENE 2155FNL 300FEL 32.233739 N Lat, 104.033260 W Lon												PURPLE SAGE-WÖLFCAMP (GAS)  11. Sec., T., R., M., or Block and Survey							
At top p			Sec	12 T24	1S R2	8E Me	r NMF	•		104 0	13321	60 W L o	n	0	r Area Se	c 12 7	724S F	R28E Mer	· NMF
At top prod interval reported below SENE 2155FNL 300FEL 32.233739 N Lat, 104.033260 W Lon Sec 11 T245 R28E Mer NMP												12. County or Parish 13. State							
At total depth         SWNW 2281FNL 206FWL 32.233539 N Lat, 104.066255 W Lon         EDDY         NM           14. Date Spudded         15. Date T.D. Reached         16. Date Completed         17. Elevations (DF, KB, RT, GL)*														NM CL)*					
14. Date Spudded 05/19/2019												17. 1	296	53 GL	.D, K1,	GL)"			
18. Total Depth: MD 19945 19. Plug Back T.D.: MD 19766 20. Depth Bridge Plug Set: MD 1985											19854 9633								
	lectric & Oth	er Mecha	nical Logs R	un (Sub	mit co	py of e	each)						well core	d?	<b>⊠</b> No	☐ Ye	s (Subi	mit analysi	is)
2963 G	iL												DST run ctional Su	? irvey?				mit analysi mit analysi	
23. Casing a	nd Liner Reco	ord (Repo	ort all strings	set in v	vell)										_				-
Hole Size			Wt. (#/ft.)	Top (MD)		Bottom (MD)		Stage Cemente Depth			No. of Sks. & Type of Cement		Slurry (BE		Cement Top*		Aı	nount Pull	led
8.500		5.500																	
26.000	20.	000 J55	94.0				312					100	0		0				
17.500	17.500 13.375 J55					2713						212	2125		0				
12.250	1	625 L80	i			9050					1750				0		+		
8.500	5.5	00 P110	20.0			1	9899					447	5			C	)		
24. Tubing	Pacord																		
	Depth Set (M	(D)   B	acker Depth	(MD)	Siz	70	Donth	Set (M	(D)	Docker	Don	th (MD)	Size	T De	pth Set (MI	<u></u>	Dacka	r Depth (N	MD)
2.875		9145	аскег Бериг	9135	$\overline{}$		Бери	Set (IV)	11)	1 acker	Бері	ui (WID)	Size		pui set (wi	<del>5)  </del>	1 ackc	r Deptii (N	VID)
	ng Intervals						26. I	Perfora	tion Red	cord									
Fo	ormation		Тор	В		Bottom		Perforated Interval					Size	ze No. Holes Perf. Status					
A) WOLFCAMP				9925		19771			9925 TO 19			19771	771		1600 OPE		ΞN		
B)																			
C)														_					
D)	racture, Treat	mont Co	mant Causas	Eto															
			ment Squeezi	e, Etc.						A ma count	and	Tyme of	Matarial						
	Depth Interva	1 5 TO 19	771 SEE AT	TACHE	D INFO	ORMAT	ION			Amount	anu	Type of	Materiai						
	002	0 10 10	771																
28. Product	ion - Interval	A																	
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL		Gas MCF		ater BL		Gravity r. API		Gas Grav	itv	Product	ion Method				
01/24/2020				<b>133.0</b>		1485.0		286.0	I .						GAS LIFT				
		24 Hr.	Oil BBL				ater BL	Gas: Rati		Well Sta		Status							
18/64	SI 2450	Rate	133 BBL			1485		Kall		P		PGW							
28a. Produc	tion - Interva	1 B	•																
Date First	Test	Hours	Test	Oil		Gas		ater		Gravity		Gas	ita	Product	ion Method				
Produced	Date	Tested	Production	BBL		MCF		3L	Con	r. API		Grav	щу						
Choke	Tbg. Press.	Csg.	24 Hr.	Oil		Gas		ater	Gas			Well	Status						
Size	Flwg. SI	Press.	Rate	BBL	N	MCF	BI	BL	Rati	0									

201 D 1		1.0											
Date First	Test	Hours	Test	Oil	Gas	Water	Oil Gravity	Gas		Production Method			
Produced	Date	Tested	Production	BBL	MCF	BBL	Corr. API	Gra		Production Method			
Choke Size	Tbg. Press. Flwg. SI  Csg. Press. SI		24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Wel	l Status				
28c. Produ	ction - Interva	ıl D				_	_						
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gra		Production Method			
Choke Size	Tbg. Press. Flwg. SI			Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio						
29. Dispos	sition of Gas(S	old, used f	or fuel, vent	ed, etc.)			•	•					
	ary of Porous	Zones (Inc	lude Aquife	rs):					31. For	mation (Log) Markers			
tests, ii	all important z ncluding depth coveries.							nres					
	Formation		Тор	Bottom Descriptions, Co				etc.		Name	Top Meas. Depth		
32. Additi AVAL FIRST	SALT IYON CANYON CANYON CANYON RING LIME	7147 ING 742	20	cedure):					RUSTLER TOP SALT SASE OF SALT LAMAR BELL CANYON CHERRY CANYON BRUSHY CANYON BONE SPRING LIME  407 967 2497 2497 2497 2696 3640 3640 873 8040 8747				
THIRE	D BONE SPRECAMP												
	enclosed attac		(1 £-11 ·	-14.)		2 6-1	D		Demp	4.50	1 C		
	ctrical/Mechai dry Notice for	_				<ol> <li>Geologic</li> <li>Core Ana</li> </ol>			3. DST Rep 7 Other:	port 4. Direction	onal Survey		
34. I hereb	y certify that		Electr	onic Submi For	ssion #5040 COG OPE	037 Verified ERATING L	by the BLM LC, sent to LETA BURK	Well Infor the Carlsba	mation Sys		ons):		
Name (please print) AMANDA AVERY Title REGULATORY ANALYST													
Signati	ure	(Electroni	c Submissi	on)		Date	Date <u>02/21/2020</u>						
T:41- 10 II			2:41- 42 II C 4										

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 of the United States any false, fictitious or fradulent statements or representations as to any matter within its jurisdiction.

## Revisions to Operator-Submitted EC Data for Well Completion #504037

**Operator Submitted** 

**BLM Revised (AFMSS)** 

Lease:

NMNM54398

NMNM54398

Agreement:

Operator:

Admin Contact:

COG OPERATING LLC 2208 W MAIN STREET ARTESIA, NM 88210 Ph: 575-748-6940

**REGULATORY ANALYST** 

E-Mail: aavery@concho.com

AMANDA AVERY

**REGULATORY ANALYST** E-Mail: aavery@concho.com

REGULATORY ANALYST

E-Mail: aavery@concho.com

COG OPERATING LLC 600 W ILLINOIS AVENUE MIDLAND, TX 79701

Ph: 432.685.4385

Ph: 575-748-6940

AMANDA AVERY

Ph: 575-748-6940 AMANDA AVERY

Tech Contact: AMANDA AVERY REGULATORY ANALYST

E-Mail: aavery@concho.com

Ph: 575-748-6940 Ph: 575-748-6940

Well Name: Number:

HOWITZER FEDERAL COM

606H

HOWITZER FEDERAL COM

606H

Location:

NM State:

**EDDY** 

NM **EDDY** 

County: S/T/R:

Sec 12 T24S R28E Mer NMP
Sec 12 T24S R28E Mer NMP
SENE Lot H 2155FNL 300FEL 32.233739 N Lat, 104.033260 W Lon Surf Loc:

Field/Pool: PURPLE SAGE; WOLFCAMP PURPLE SAGE-WOLFCAMP (GAS)

Logs Run:

2963 GL

Producing Intervals - Formations:

WOLFCAMP

**WOLFCAMP** 

Porous Zones: RUSTLER

TOP OF SALT BOTTOM OF SALT LAMAR BELL CANYON CHERRY CANYON BRUSHY CANYON BONE SPRING LIMESTONE

RUSTLER TOP SALT BASE OF SALT LAMAR **BELL CANYON** CHERRY CANYON BRUSHY CANYON

BONE SPRING LIME **RUSTLER** 

Markers:

**RUSTLER** TOP OF SALT BOTTOM OF SALT LAMAR BELL CANYON CHERRY CANYON BRUSHY CANYON

BONE SPRING LIMESTONE

TOP SALT BASE OF SALT LAMAR BELL CANYON CHERRY CANYON BRUSHY CANYON BONE SPRING LIME