Form 3160-4 (August 2007)											TESIA	FORM APPROVED OMB No. 1004-0137 Expires: July 31, 2010					
WELL COMPLETION OR RECOMPLETION REPORT AND LOG											5. Lease Serial No. NMNM54398						
1a. Type of		Oil Well	-			-	0							6. If	Indian, All	lottee o	or Tribe Name
b. Type of Completion 🛛 New Well 🗋 Work Over 🗋 Deepen 📄 Plug Back 🗋 Diff. Resvr. Other											7. Unit or CA Agreement Name and No.						
2. Name of Operator Contact: AMANDA AVERY COG OPERATING LLC E-Mail: aavery@concho.com											 Lease Name and Well No. HOWITZER FEDERAL COM 602H 						
3. Address 600 W ILLINOIS AVENUE MIDLAND, TX 79701 3a. Phone No. (include area code) Ph: 575-748-6940												9. API Well No. 30-015-45831-00-S1					
4. Location of Well (Report location clearly and in accordance with Federal requirements)* Sec 12 T24S R28E Mer NMP												10. Field and Pool, or Exploratory PURPLE SAGE-WOLFCAMP (GAS)					
At surfac	e NENE	1014FN	L 620FEL 3 Sec	2.23687 12 T24	SR2	8E Me	r NM	Р						11. Sec., T., R., M., or Block and Survey or Area Sec 12 T24S R28E Mer NMP			
At top pr At total c	Sec	: 11 T245	elow NEN SR28E Mer	NMP							304 V	/V Lon		12. County or Parish EDDY 13. State			
14. Date Sp 04/20/20	udded	100 0701	15. Da	FWL 32.237947 N Lat, 104.066275 W Lon . Date T.D. Reached 06/26/2019 16. Date Completed 17/23/2019							17. Elevations (DF, KB, RT, GL)* 2975 GL						
18. Total De	epth:	MD TVD	20139 9889	20139 19. Plug Ba								20. Dep	Depth Bridge Plug Set: MD 20057 TVD 9889				
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) 22. Was well cored? ⊠ No □ Yes (Submit analy Was DST run?) 2975 GL ☑ No □ Yes (Submit analy Was DST run?) ☑ No □ Yes (Submit analy Was DST run?)											s (Submit analysis) s (Submit analysis) s (Submit analysis)						
23. Casing an	d Liner Rec	ord (Repa	ort all strings										1				
Hole Size	Size/G	rade	Wt. (#/ft.)	Toj (MI		Bott (M		Stage Ce Dep		r No. o Type	of Sks of Cer		Slurry (BB		Cement	Тор*	Amount Pulled
26.000		.000 J55	94.0		0		315				650					0	
<u>17.500</u> 8.500		.375 J55 00 P110	61.0 20.0				2715 4350				1500 4350				0		
12.250		625 L80	47.0		0	-						1600		0			
24. Tubing	Record																
	Depth Set (M	(ID) P	acker Depth	(MD)	Siz	ze	Deptl	n Set (ME))]	Packer De	pth (N	AD)	Size	Depth Set (MD) Packer Depth (MD)			
2.875 25. Producin		9421		9411			26	Perforatio	on Peo	ord							
	rmation		Тор		Bo	ttom	20.			I Interval			Size		No. Holes		Perf. Status
A)		<u>10р во</u> 10200			20032			10200 TO 200					1600 OF				
B)																	
<u>C)</u>																	
D) 27. Acid, Fra	acture, Treat	ment, Cer	ment Squeeze	e, Etc.													
Depth Interval Amount and Type of Material																	
10200 TO 20032 SEE ATTACHED INFORMATION																	
28. Producti	on - Interval	Α															
Produced	Test Date 01/20/2020	Hours Tested 24	Test Production	Oil BBL 420.	1	Gas MCF 1967.	Water BBL 7.0 4529.0			Oil Gravity Corr. API		Gas Gravity		Production Method GAS LIFT			
Size Flwg. 1700 Press. Rate BBL MCF BBL							Vater BL 4529	Gas:Oil Well Status Ratio PGW									
28a. Product		-		Lov					1-					- ·			
Produced			Test Production	Oil BBL				Vater BL	Oil Gravity Corr. API		Gas Gravity		Production Method				
Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL		Gas MCF		Vater BL		Gas:Oil Well Sta Ratio			atus				
(See Instruction ELECTRON	ons and space	ces for add SSION #5	ditional data 503749 VER	on reve IFIED	rse sid BY T	de) HE BL	.M W	ELL INF	FORM	ATION S	SYSTI	EM					

ECTRONIC SUBMISSION #503749 VERIFIED BY THE BLM WELL INFORMATION SYSTEM ** BLM REVISED **

28h Prod	uction - Interv	al C											
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Ga Gr	as ravity	Production Method			
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	W	ell Status				
28c. Produ	uction - Interv	al D	•			•							
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Ga Gr	as ravity	Production Method			
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	W	ell Status				
29. Dispo SOLE		Sold, used	d for fuel, vent	ed, etc.)									
30. Summ Show tests, i	ary of Porous all important	zones of		ontents ther		l intervals and al n, flowing and sl		res	31. For	mation (Log) Markers			
	Formation		Тор	Bottom Descriptions, Contents, etc.					Name Top Meas. Depth				
RUSTLER TOP SALT BASE OF SALT LAMAR BELL CANYON CHERRY CANYON BRUSHY CANYON BONE SPRING LIME			477 981 2529 2714 2751 3638 4866 6444						RUSTLER TOP SALT BASE OF SALT BASE OF SALT LAMAR BELL CANYON CHERRY CANYON BRUSHY CANYON BONE SPRING LIME477 981 981 2529 2751 3638 4866 6444				
AVAL FIRS SECC THIRI		7111 RING 7 SPRING	8227 9334	edure):									
33. Circle	enclosed atta	chments:											
			gs (1 full set re	• •		e	• •			3. DST Report 4. Directional Survey 7 Other:			
	by certify that (please print)	-	Electr	onic Subm Fo	ission #50 r COG Ol	mplete and corre)3749 Verified b PERATING LL essing by VIOL	oy the BLM ` .C, sent to th ETA BURK	Well Info he Carlsb E on 06/0	rmation Sys ad	/B0282SE)	ctions):		
Signat	ure	(Electro	nic Submissi	on)			Date	<u>02/19/20</u>	20				
Title 18 U of the Uni	.S.C. Section ted States any	1001 and false, fic	Title 43 U.S. etitious or frad	C. Section 1 ulent statem	212, make ents or rep	e it a crime for a presentations as	ny person kno to any matter	owingly a within its	nd willfully jurisdiction	to make to any department o	or agency		

Revisions to Operator-Submitted EC Data for Well Completion #503749

	Operator Submitted	BLM Revised (AFMSS)
Lease:	NMNM54398	NMNM54398
Agreement:		
Operator:	COG OPERATING LLC 2208 W MAIN STREET ARTESIA, NM 88210 Ph: 575-748-6940	COG OPERATING LLC 600 W ILLINOIS AVENUE MIDLAND, TX 79701 Ph: 432.685.4385
Admin Contact:	AMANDA AVERY REGULATORY ANALYST E-Mail: aavery@concho.com	AMANDA AVERY REGULATORY ANALYST E-Mail: aavery@concho.com
	Ph: 575-748-6940	Ph: 575-748-6940
Tech Contact:	AMANDA AVERY REGULATORY ANALYST E-Mail: aavery@concho.com	AMANDA AVERY REGULATORY ANALYST E-Mail: aavery@concho.com
	Ph: 575-748-6940	Ph: 575-748-6940
Well Name: Number:	HOWITZER FEDERAL COM 602H	HOWITZER FEDERAL COM 602H
Location: State: County: S/T/R: Surf Loc:	NM EDDY Sec 12 T24S R28E Mer NMP NENE Lot A 1014FNL 620FEL 32.236874 N Lat, 104.0	NM EDDY Sec 12 T24S R28E Mer NMP 3 45EMEWID04 FNL 620FEL 32.236874 N Lat, 104.034304 W Lon
Field/Pool:	PURPLE SAGE; WOLFCAMP	PURPLE SAGE-WOLFCAMP (GAS)
Logs Run:		2975 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
Markers:	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