							NN	AOC	D		I				
Form 3160-4 (August 2007)	TITED STATES Hobbs FORM APPROVED												004-0137		
WELL COMPLETION OR RECOMPLETION REPORT AND LOG											5. Lease Serial No. NMLC029519A				
Image:											6. If Indian, Allottee or Tribe Name				
b. Type of Comparing C Prew Well Work Over Deepen Plug Back Diff. Resvr.															
Other											7. Unit or CA Agreement Name and No.				
2. Name of Operator COG OPERATING LLC / Contact: STORMI DAVIS											8. Lease Name and Well No. MAS FEDERAL 3H				
3. Address ONE CONCHO CENTER 600 W ILLINOIS AVENUE MIDLAND, TX 79701-4287 3a. Phone No. (include area code) Ph: 575.748.6946 9. API Well No. 30-025-42950-00-S1												25-42950-00-S1			
4. Location of Well (Report location clearly and in accordance with Federal requirements)*											10. Field and Pool, or Exploratory BERRY-BONE SPRING, NORTH				
At surface NWNE 190FNL 2310FEL										11. Sec., T., R., M., or Block and Survey					
At top p	At top prod interval reported below NWNE											or Area Sec 34 T20S R34E Mer NMP 12. County or Parish 13. State			
	At total depth SWSE 330FSL 1980FEL 14. Date Spudded 15. Date T.D. Reached 16. Date Completed										LEA NM 17. Elevations (DF, KB, RT, GL)*				
$\begin{array}{c c c c c c c c c c c c c c c c c c c $															
18. Total Depth: MD 15772 19. Plug Back T.D.: MD 15705 20. Depth Bridge Plug Set: MD TVD 11318 TVD 11317 TVD TVD															
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) 22. Was well cored? 🛛 No 🔲 Yes (Submit analysis)															
										ctional Su		No No	Yes	(Submit analysis)	
23. Casing an				set in well) Top	Bottom	Stage	Cementer	No. c	of Sks. &	Slurry	Vol				
Hole Size	Size/G		Wt. (#/ft.)	(MD)	(MD)	E	Depth		of Cement	(BB		Cement Top*		Amount Pulled	
<u>17.500</u> 12.250		375 J-55 325 J-55	54.5 40.0	(_	3508		<u>115</u> 145			0			
8.750		0 P-110	17.0	(2450			0		
						-									
			<u>`</u>												
24. Tubing	Record Depth Set (N		acker Depth (ize De	oth Set (N		acker De	ath (MD)	Size	D	epth Set (MI		Packer Depth (MD)	
Size 1 2.875		0674		10664	ize De	Jui Set (I		acker De	pui (ND)	Size		pui sei (ivi	0)	racker Deput (MD)	
25. Producin			T				ation Reco			<u>c:</u>				D. 6.0.	
	rmation	3RD	Top . 1	1376	ottom 15665	r	erforated	1376 TC	0 15605	Size 0.0	No. Holes Perf. Status 000 1144 OPEN				
B)					15655 TO 15665						60 OPEN				
C)											+				
27. Acid, Fra			nent Squeeze	, Etc.											
I	Depth Interva 1137		05 SEE AT	TACHED			A	mount and	d Type of l	Material					
28. Producti			1	0.1			010								
Produced	Test Date	Hours Tested 24	Test Production	Oil BBL 279.0	Gas MCF 603.0	Water BBL 1642.	Oil Gr		Gas Gravi	ity	Production Method FLOWS FROM WELL				
	11/18/2016 Tbg. Press. Flwg. 2650	Csg.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:O Ratio	il	Well	Status	FLOWS FROM WELL				
	SI	410.0	$\neg \triangleright$	279	603	1642	2			POW					
28a. Product Date First	Test	Hours	Test	Oil	Gas	Water	Oil G		CE Gas		Producti	In Method	RD		
Produced	Date	Tested	Production	BBL	MCF	BBL	Corr.	API	Gravi	ND I	R	GL	S	S	
	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:O Ratio	il	Wgi	Status 25	201	7		. /	
(See Instruction	ons and space	ces for add	litional data	on reverse s	ide)	WEITT	NEOPM	TIONS	DA	VID R.	GLA	SS		11	
ELECIKUN	** BL	M REV	ISED ** I	BLM RE	VISED **	BLM	REVISI	ED ** 🛱	AMRE	VISED	eibe	MREA	SED	** 11	
RECL	AMAT	ION	DUE:												
MAY 1	5 201	7													

Formation L LOP L BOITOM L Descriptions, Contents, etc. Name	28b. Produ	iction - Interva	al C													
Size Price											Production Method					
Date Find Date Find Test Market Other Market Water Market Out Gravity Market Gravity Market Description of Gravity Market Clock Tag Free Stree Clock Bit. Market Market Gravity Market Gravity Market 29. Deposition of Grav/Sold. used for fuelx venue, dc:) Figure Market Bit. Market Gravity Market Weil Status 30. Summary of Porous Zones (Include Aquifers): Summary of Porous Zones (Include Aquifers): 31. Formation (Log) Markets 31. Formation (Log) Markets Show all important zones of porousing and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shar-in pressures and recovery. 31. Formation (Log) Markets ENDERSPERING SIND Top Bottom Descriptions, Contents, etc. Name Merce 1. 1997 BONE SPRING LIME 6600 9699 BONE SPRING SIND 10191 10192 3657 BONE SPRING SIND 10192 10193 10193 BONE SPRING SIND 9600 BONE SPRING SIND 10192 10193 10193 BONE SPRING SIND 30. Dene Spring 10097		Flwg.							W	ell Status						
Pended Date Test Modeling BRL MCT BRL Car. ATI Green Cloke Tig. Press. Str. Fig. Press. Str. Fig. Press. Str. Cloke Car. Ati Weith Weith Statum Weith Weith </td <td>28c. Produ</td> <td>ction - Interva</td> <td>al D</td> <td></td> <td>1</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	28c. Produ	ction - Interva	al D		1											
Size Fine Bat MCF Bat Lano 29. Disposition of Cas/Gold, used for fuel, vented, etc.) FLARED 30. Summary of Porous Zones (Include Aquifers): 30. Summary of Porous Zones (Include Aquifers): 31. Formation (Log) Markers 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 shu-in pressures and recoveries. 31. Formation (Log) Markers ChERRY CANYON 6749 8599 RUSTLER 1722 BONE SPRING LIME 8600 9991 10189 RUSTLER 1725 BONE SPRING SRD 11376 15665 BONE SPRING SRD 11376 15665 BONE SPRING SRD 11376 15665 BONE SPRING SRD 1101 32. Additional remarks (include plugging procedure): Surveys & perfs/stimulation are attached. Additional remarks (include plugging and cennet verification 6. Core Analysis 7 Other. 4. Directional Survey 33. Circle enclosed attachments: 1. Electrical/Mechanical Logs (1 full set req/d.) 2. Geologic Report 3. DST Report 4. Directional Survey 34. Thereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructi											Production Method					
FLARED 30. Summary of Provide Zones (Include Aquifers): 31. Formation (Log) Markers 30. Summary of Provide Zones (Include Aquifers): 31. Formation (Log) Markers iters, including depth interval tested, cushion used, time tool open, flowing and shui-in pressures and recoveries. 31. Formation (Log) Markers Formation Top Bottom Descriptions, Contents, etc. Name Top Formation 5749 6749 8599 BORE SPRING LIME BORE SPRING S1ST 1525 BONE SPRING INF 8600 9699 BORE SPRING CANYON 6747 6748 BONE SPRING S1ST 9700 10192 10192 10385 BORE SPRING VATION 6747 BONE SPRING S1ST 9700 10192 10385 BORE SPRING VATION 6744 BONE SPRING S1ST 9700 10192 10385 BORE SPRING VATION 6744 BONE SPRING S1ST 9700 10192 10385 BORE SPRING VATION 6744 BONE SPRING S1ST 9700 10191 BONE SPRING S1ST 9700 1015 Surveys & perfisitimulation are attached. Additional remarks		Flwg.							W	ell Status						
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Formation 10p bottom Descriptions, Contents, etc. Name Mess. D CHERRY CANYON 5787 6744 6553 1593 1593 BOME SPRING INT 9700 9633 1593 1593 1593 BOME SPRING IST 9700 9633 11376 15665 BOME SPRING IST 9700 6744 BOME SPRING STD 11376 15665 BOME SPRING STD BOME SPRING STD 9700 6744 BOME SPRING STD 11376 15665 BOME SPRING STD 9700 1015 BOME SPRING STD 11376 15665 BOME SPRING STD 9700 1015 BOME SPRING STD 11376 15665 BOME SPRING STD 9700 1015 BOME SPRING STD 1105 BOME SPRING STD 9700 1015 9700 1015 Surveys & perfa/stimulation are attached. Additional remarks (include plugging procedure): 3. DST Report 3. DST Report 4. Directional Survey 3. Strictle enclosed attachments: 1. Electrical/Mechanical Logs (1 full set reqd.) 2. Geolo	30. Summa Show a tests, in	ary of Porous 2 all important z ncluding depth	ones of p	orosity and co	ontents there				ires	31. For	mation (Log) Marke	ers				
BRUSHY CANYON 6749 8599 9699 TOP OF SALT 1727 BONE SPRING SIME 9700 10191 1058 FARSTRING SIME 1736 BONE SPRING SRD 111376 15665 BONE SPRING LIME 8000 5761 BONE SPRING SRD 11376 15665 BONE SPRING LIME 8000 8001 BONE SPRING SRD 11376 15665 BONE SPRING LIME 8001 8001 SOLE SPRING SRD 11376 15665 BONE SPRING SRD 10191 10191 SOLE SPRING SRD 11376 15665 BONE SPRING SRD 10191 10191 SOLE SPRING SRD 11376 15665 BONE SPRING SRD 10191 10191 SOLE SPRING SRD 11376 15665 BONE SPRING SRD 10191 10191 SOLE SPRING SRD 1100 BONE SPRING SRD 10191 10191 10191 10191 SOLE SPRING SRD 1102 SOLE SPRING SRD 1101 10191 10191 10191 10191 10191 10191 10191 10191 10191 10191 10191 10191 10191<		Formation Top Bottom					Descriptions, Contents, etc.				Name Top Meas. De					
Surveys & perfs/stimulation are attached. Additional Tops: 3rd Bone Spring 11099' 33. Circle enclosed attachments: 1. Electrical/Mechanical Logs (1 full set req'd.) 2. Geologic Report 3. DST Report 4. Directional Survey 5. Sundry Notice for plugging and cement verification 6. Core Analysis 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 #360876 Verified by the BLM Well Information System. For COG OPERATING LLC, sent to the Hobbs Committed to AFMSS for processing by JENNIFER SANCHEZ on 01/23/2017 (17JAS0163SE) Name (please print) STORMI DAVIS 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	BRUSHY CANYON BONE SPRING LIME BONE SPRING 1ST BONE SPRING 2ND			6749 8600 9700 10192 11376	8599 9699 10191 11098 15665					TOI BAS CH BRI BO BO BO	TOP OF SALT BASE OF SALT CHERRY CANYON BRUSHY CANYON BONE SPRING LIME BONE SPRING 1ST BONE SPRING 2ND					
3rd Bone Spring 11099' 33. Circle enclosed attachments: 1. Electrical/Mechanical Logs (1 full set req'd.) 2. Geologic Report 3. DST Report 4. Directional Survey 5. Sundry Notice for plugging and cement verification 6. Core Analysis 7 Other: 4. Directional 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 #360876 Verified by the BLM Well Information System. For COG OPERATING LLC, sent to the Hobbs Committed to AFMSS for processing by JENNIFER SANCHEZ on 01/23/2017 (17JAS0163SE) Name (please print) STORMI DAVIS Title REGULATORY ANALYST Signature (Electronic Submission) Date 12/14/2016 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	Surve	ys & perfs/sti														
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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.	Signati	Signature (Electronic Submission)								Date 12/14/2016						
	Title 18 U. of the Unit	S.C. Section 1 ted States any	1001 and false, fict	Title 43 U.S. itious or fradu	C. Section 1. alent stateme	212, make it ents or repre	t a crime for esentations a	any person kn s to any matter	owingly an r within its	nd willfully jurisdiction	to make to any depa	artment or ag	gency			

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