Form 3160-4 (August 2007)

## UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

OCD - HOBBS 04/09/2020 RECEIVED

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

1a. Type of Well		WELL C	COMPL	ETION O	R RE	CO	MPLI	ETIC	N RE	PORT	AND L	.OG				ase Serial N MNM1108		
2. Name of Operator 2. Name of Operator 2. Name of Operator 3. Address PO BOX 2267 BOUNCES INCORPORATEIE-Mail: kay, maddiox/gleoginesources.com 3. Address PO BOX 2267 Sa. Pinner Na (include area code) P. API Well No. 3. Address PO BOX 2267 Sa. Pinner Na (include area code) P. API Well No. 30 025-45186 00-X1 Sa. Pinner Na (include area code) P. API Well No. 30 025-45186 00-X1 Sa. Pinner Na (include area code) P. API Well No. 30 025-45186 00-X1 Sa. Pinner Na (include area code) P. API Well No. 30 025-45186 00-X1 Sa. Pinner Na (include area code) P. API Well No. 30 025-45186 00-X1 Sa. Pinner Na (include area code) P. API Well No. 30 025-45186 00-X1 Sa. Pinner Na (include area code) P. API Well No. 30 025-45186 00-X1 Sa. Pinner Na (include area code) P. API Well No. 30 025-45186 00-X1 Sa. Pinner Na (include area code) P. API Well No. 30 025-45186 00-X1 Sa. Pinner Na (include area code) P. API Well No. 30 025-45186 00-X1 Sa. Pinner Na (include area code) P. API Well No. 30 025-45186 00-X1 Sa. Pinner Na (include area code) P. API Well No. 30 025-45186 00-X1 Sa. Pinner Na (include area code) P. API Well No. 30 025-45186 00-X1 Sa. Pinner Na (include area code) P. API Well No. 30 025-45186 00-X1 Sa. Pinner Na (include area code) P. API Well No. 30 025-45186 00-X1 Sa. Pinner Na (include area code) P. API Well No. 30 025-45186 00-X1 Sa. Pinner Na (include area code) P. API Well No. 30 025-45186 00-X1 Vo. Court of wrish in Carlot of National Action of National Ac	1a. Type of Well ☑ Oil Well ☐ Gas Well ☐ Dry ☐ Other														6. If Indian, Allottee or Tribe Name			
2. Name of Operator ECOG RESOLUTICES INCORPORATEUE-Mail: key_middlox@egograpes.uuross.com  3. Address FOD EXCV 2277  3. Address FOD EXCV 2277  4. Location of Wolf (Report location clearly and in accordance with Federal requirements)**  4. Location of Wolf (Report location clearly and in accordance with Federal requirements)**  4. Location of Wolf (Report location clearly and in accordance with Federal requirements)**  4. Location of Wolf (Report location clearly and in accordance with Federal requirements)**  4. Location of Wolf (Report and Problems of Problems o	o. type of completion													esvr.	7. Unit or CA Agreement Name and No.			
FEARLESS 23 FED COM 906H	2. Name of	f Operator			-		Conta	ct: KA	Y MAD	DOX					8. Le	ase Name a	and We	ell No.
A. Location of World (Report location clearly and in accordance with Pederal requirements)*   Sec. 23 T2SS R32E Mer NIAP	EOG R	RESOURCES		PORATEDE	-Mail: I	kay_r			gresour	ces.con					F	EARLESS	23 FE	ED COM 506H
At surface NEWW 661 FNL 2009 FWL 32.12 1424 N Let, 103.64794 4W Lon At top prod internal reported below Sec 23 T25S R2ZE MEY MW 305 FNL 1916 FVW. 32.12327 N Let, 103.648149 W Lon FATE SEC 25 T25S R2ZE MEY MW 305 FNL 1916 FVW. 32.12327 N Let, 103.648149 W Lon FATE SEC 25 T25S R2ZE MEY MW 305 FNL 1916 FVW. 32.12327 N Let, 103.648149 W Lon FATE SEC 25 T25S R2ZE MEY MW 305 FNL 1916 FVW. 32.12327 N Let, 103.648149 W Lon FATE SEC 25 T25S R2ZE MEY MW 305 FNL 1916 FVW. 32.12327 N Let, 103.648149 W Lon FATE SEC 25 T25S R2ZE MEY MW 305 FNL 1916 FVW. 32.12327 N Let, 103.648149 W Lon FATE SEC 25 T25S R2ZE MEY MW 305 FNL 1916 FVW. 32.12327 N Let, 103.648149 W Lon FATE SEC 25 T25S R2ZE MEY MW 305 FNL 1916 FVW. 32.12327 N Let, 103.648149 W Lon FATE SEC 25 T25S R2ZE MEY MW 305 FNL 1916 FVW. 32.12327 N Let, 103.648149 W Lon FATE SEC 25 T25S R2ZE MEY MW 305 FNL 1916 FVW. 32.12327 N Let, 103.648149 W Lon FATE SEC 25 T25S R2ZE MEY MW 305 FNL 1916 FVW. 32.12327 N Let, 103.648149 W Lon FATE SEC 25 T25S R2ZE MEY MW 305 FNL 1916 FVW. 32.12327 N Let, 103.648149 W Lon FATE SEC 25 T25S R2ZE MEY MW 305 FNL 1916 FVW. 32.12327 N Let, 103.648149 W Lon FATE SEC 25 T25S R2ZE MEY MW 305 FNL 1916 FVW. 32.12327 N Let, 103.648149 W Lon FATE SEC 25 T25S R2ZE MEY MW 305 FNL 1916 FVW. 32.12327 N Let, 103.648149 W Lon FATE SEC 25 T25S R2ZE MEY MW 305 FNL 1916 FVW. 32.12327 N Let, 103.648149 W Lon FATE SEC 25 T25S R2ZE MEY MW 305 FNL 1916 FVW. 32.12327 N Let, 103.648149 W Lon FATE SEC 25 T25S R2ZE MEY MW 305 FNL 1916 FNL 1		MIDLAND	, TX 797						Ph:	432-686	3-3658	e area c	ode)				30-02	
At surface NEWW 661 FNL. 2008 FWL. 32.12 1424 N Lat, 103.64794 W Lon At top prod internal reported below Sec. 23 TSS R2E MEY MW 305 FNL. 1916 FWL. 32.12237 N Lat, 103.848149 W Lon Sec. 26 TSS R2E MEY MW 305 FNL. 1916 FWL. 32.12237 N Lat, 103.848149 W Lon Late, 103.648149 W Lon Sec. 26 TSS R2E MEY MW 305 FNL. 1916 FWL. 32.12237 N Lat, 103.848149 W Lon Late, 103.648149 W Lon Sec. 26 TSS R2E MEY MW 305 FNL. 1916 FWL. 32.12237 N Lat, 103.648599 W Lon Late, 103.648149 W Lon Late, 10	4. Location	n of Well (Rep Sec. 23	port locati 3 T25S R	on clearly an 32E Mer NA	d in ac <i>I</i> IP	corda	nce wit	h Fede	eral requi	irements)	)*				10. F	ield and Po VC025G08	ol, or l S2532	Exploratory 235G-LWR BONE SP
At total depth: See 26 T2SS R32E Mer NMP  14. Date Spudded  15. Date T.D. Reached 07705/Z019  16. Date Completed 07705/Z019  17. Elevations (DF, RB, RT, GL)*  17. Elevations (DF, RB, RT, GL)*  17. Elevations (DF, RB, RT, GL)*  18. Total Depth: MD 10878  19. Plug Back T.D.: MD 10878  20. Depth Bridge Plug Set: MD 17D  21. Type Electric & Other Mechanical Logs Run (Submit copy of each)  22. Was well cored? Was DST run?  23. Cassing and Liner Record (Report all strings set in well)  17. Elevations (DF, RB, RT, GL)*  24. Tubing Record  25. Exer(Grade Wt. (B/R1), MD)  26. Size (Size(Grade Wt. (B/R1), MD)  27. Type of Cement 17. Solo 13. 375 J55 13.30 10. Packer Depth (MD) 12. Size Depth Set (MD) 12. Packer Depth (MD) 13. Size Depth Set (MD) 14. Tubing Record  25. Producting Intervals  26. Perforation Record  Formation  Top Bottom Perforated Interval A  BONE SPRING 10682  20831  20. Depth Set (MD) 21. Treatment, Cement Squeeze, Etc.  Depth Interval  23. No. Holes  24. Tubing Record  3. No. Holes  25. Production - Interval A  Depth Interval  26. Perforation Record  27. Anid, Fracture, Treatment, Cement Squeeze, Etc.  Depth Interval  28. Production - Interval A  Depth Interval  28		ace NENW	/661FNL	: 2009FWL Sec	32.121 23 T2!	5S R3	32E M	er NM	P		102 649	9140 V	۸/۱ ۵	,	11. S	Sec., T., R., r Area Sec	M., or 23 T	Block and Survey 25S R32E Mer NMP
13. Date Spudded     15. Date TD. Reached     16. Date Completed   17. Elevations (DF, REA)   28. A		Sec	: 26 T25S	R32E Mer	NMP							0143 1	V LO	" [			arish	
18. Total Depth:   MD   20831   19. Plug Back T.D.:   MD   20831   20. Depth Bridge Plug Set:   MD   TVD   10876   1				15. Da	ite T.D	. Read		1, 100		16. Date	Complete A 🔯	ed Ready	to Pr	rod.		Elevations (		
22. Was well coord   22. Was well coord   23. Was well coord   24. Was well coord   25. Was	18. Total I	Depth:				19.	Plug E	Back T	.D.:	MD	20			20. Dep	th Bri	dge Plug Se	t:	
Record   Casing and Liner Record   Report all strings set in well	21. Type E	Electric & Oth		nical Logs R	un (Sut	mit c	opy of	each)				22. V	Was v Was D	vell cored OST run?	?	⊠ No I	Yes	s (Submit analysis)
Hole Size   Size/Grade   Wt. (#/ht.)   Top (MD)   Bottom (MD)   Stage Cementer   Depth   Type of Cement   Type of Cement   Top	23. Casing a	nd Liner Reco	ord (Repo	ort all strings	set in 1	vell)				-			)II CCI	.ionai bui	· cy :		<u> </u>	(Submit unarysis)
12.250		-			Top		Bottom		_			<b>I</b>				Cement Top*		Amount Pulled
8.750   5.500   CYP110   20.0   20815   2675   5760	17.500	17.500 13.375 J55		54.5	5		908					785				0		
24. Tubing Record  Size Depth Set (MD) Packer Depth (MD) Size Depth Set (MD) Packer Depth (MD) Size Depth Set (MD) Packer Depth (MD) Packe				40.0	)		4635									<del>                                     </del>		
Depth Set (MD)	8.750 5.500 ICYP		CYP110	20.0	20.0		208					2675				5760		<u>, , , , , , , , , , , , , , , , , , , </u>
Depth Set (MD)		<del>                                     </del>				—					<del></del>							-
Depth Set (MD)		<del> </del>																
25. Producting Intervals   26. Perforation Record   26. Perforated Interval   Size   No. Holes   Perf. Status	24. Tubing	g Record																
Formation	Size	Depth Set (M	(ID) Pa	acker Depth	(MD)	Si	ze	Dept	h Set (M	(D) P	acker Dep	pth (M	D)	Size	De	pth Set (MI	D)	Packer Depth (MD)
Formation	25. Produci	ing Intervals				<u> </u>		26.	Perforat	tion Reco	ord							
A) BONE SPRING 10682 20831 10682 TO 20831 3.000 2160 OPEN  B)				Top	П	Bo	ottom	+					Т	Size	T 1	No. Holes		Perf. Status
C) D)  27. Acid, Fracture, Treatment, Cement Squeeze, Etc.  Depth Interval  10682 TO 20831  26,079,960 LBS PROPPANT;431,582 BBLS LOAD FLUID  28. Production - Interval A  Date First Produced Date Tested Production Production Method  12/02/2019 12/08/2019 24  13/08/2019 24  14142.0 6775.0 6720.0 42.0 FLOWS FROM WELL  Choke Tbg. Press. Press. Flvg. Press. Press. Size Flvg. Press. 1177.0 1177.0 1177.0 Fest Production Flow Froduction Flow Froduction Flow Froduction Flow Frest Flow Flow Flow Flow Flow Flow Flow Flow							1				2 TO 20831		3.00			OPEN		
Diagram   Diag	B)							$\perp$					$\bot$		+			
27. Acid, Fracture, Treatment, Cement Squeeze, Etc.   Depth Interval   Amount and Type of Material								+					+		+-			
Depth Interval   Amount and Type of Material		racture Treat	ment Cer	nent Squeeze	Etc.			ــــــــــــــــــــــــــــــــــــــ									<u> </u>	
10682 TO 20831   26,079,960 LBS PROPPANT;431,582 BBLS LOAD FLUID				- Oquees	, 2.0.		-		_	Aı	mount and	d Type	of M	aterial		-		
Date First   Test   Date   Date   Date   Test   Date   D				831 26,079,9	960 LBS	S PRC	PPAN	Γ;431,	82 BBL	S LOAD F	LUID							
Date First   Test   Date   Date   Date   Test   Date   D				_														
Date First   Test   Date   Date   Date   Test   Date   D				-														
Date First   Test   Date   Date   Date   Test   Date   D	28. Product	tion - Interval	A		-									-				
12/02/2019   12/08/2019   24															Producti	ion Method		
Choke Size Flwg. Press. Size Flwg. 76 SI Csg. 1177.0 Press. 1177.0 Press. 1177.0 Press. 128a. Production - Interval B  Date First Produced Date Tested Production BBL MCF BBL MCF BBL Gravity  Choke Size Flwg. Press. Csg. 24 Hr. Rate BBL MCF BBL Gas Water BBL Gravity Corr. API Gravity Gr								<b>I</b>		Gravity		FLOWS FROM WELL						
76 SI 1177.0 4142 6775 6720 1636 POW  28a. Production - Interval B  Date First Produced Date Tested Production BBL Gas MCF BBL Corr. API Gravity Gravi	Choke Tbg. Press.		Csg.								Gas:Oil		Well Status					
Date First Produced Date Test Date Test Production Test Production Date Test Production Date Test Date Tes		<b>-</b>		Rate	l .					Ratio	1636		Р	ow				
Produced Date Tested Production BBL MCF BBL Corr. API Gravity  Choke Tbg. Press. Csg. 24 Hr. Oil Gas Water Gas: Oil Ratio Well Status  Size Flwg. Press. Rate BBL MCF BBL Water BBL Water Ratio	28a. Produc	ction - Interva			<u> </u>													
Choke Tbg. Press. Csg. 24 Hr. Oil Gas Water Gas:Oil Well Status Size Flwg. Press. Rate BBL MCF BBL Ratio				Production											Product	ion Method		
		Flwg.		24 Hr.								,	Well St	atus				

<sup>(</sup>See Instructions and spaces for additional data on reverse side)
ELECTRONIC SUBMISSION #495605 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

\*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\*

Description   Teach   Teach   Teach   Production   BBL   MCF   BBL   MCF   BBL   Corr. API   Cara'ty   Cara'ty   Production Method   Cara'ty   Production Method   Cara'ty   Production   Production   Cara'ty   Production   Prod	
Chole   The Prices   Co.   All His   Dil   Co.   Water   BBL   Basic   Well Status    28c. Production - Interval D  Date First   Test   Test   Test   Test   Dil	
Size   Five   Free   Five   Free   Five   Free   Five	
St. Production Interval D  Date First Test Usour Test Production I Institute I	
Date   Test   Test   Tested   Production   Date   Da	
Tested   Production   BBL   MCF   BBL   Corr. API   Gravity	
Size   Five	
29. Disposition of Gas/Sold, used for fuel, vented, etc.) 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  RUSTLER TOP OF SALT 1031 BARREN TOP OF SALT BASE OF SALT BONE SPRING 1ST SOLE SPRING 1ST SOLE SPRING 2ND  32. Additional remarks (include plugging procedure): PLEASE REFERENCE ATTACHMENTS  33. Circle enclosed attachments:	,
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  RUSTLER  TOP OF SALT  BASE OF SALT  BONE SPRING 1ST  OIL & GAS  BONE SPRING 1ST  BONE SPRING 2ND  32. Additional remarks (include plugging procedure):  PLEASE REFERENCE ATTACHIMENTS	
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	
RUSTLER TOP OF SALT 1031 BASE OF SALT BASE O	
TOP OF SALT BASE OF SALT BASE OF SALT BRUSHY CANYON FOR SPRING 1ST BONE SPRING 2ND  32. Additional remarks (include plugging procedure): PLEASE REFERENCE ATTACHMENTS  BARREN OIL & GAS OI	Top Meas. Depth
BASE OF SALT BRUSHY CANYON 7134 OIL & GAS OIL & GAS BRUSHY CANYON 9744 OIL & GAS OIL & GAS BONE SPRING 1ST BONE SPRING 2ND  32. Additional remarks (include plugging procedure): PLEASE REFERENCE ATTACHMENTS	768
BONE SPRING 1ST BONE SPRING 2ND  32. Additional remarks (include plugging procedure): PLEASE REFERENCE ATTACHMENTS  BONE SPRING 1ST BONE SPRING 1ST BONE SPRING 2ND  33. Circle enclosed attachments:	1031 4491
BONE SPRING 2ND  10317  OIL & GAS  BONE SPRING 2ND  32. Additional remarks (include plugging procedure): PLEASE REFERENCE ATTACHMENTS  33. Circle enclosed attachments:	7134 9744
PLEASE REFERENCE ATTACHMENTS  33. Circle enclosed attachments:	10317
PLEASE REFERENCE ATTACHMENTS  33. Circle enclosed attachments:	
PLEASE REFERENCE ATTACHMENTS  33. Circle enclosed attachments:	
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1. Electrical/Mechanical Logs (1 full set req'd.)  2. Geologic Report  3. DST Report  4. Direction	
	ial Survey
5. Sundry Notice for plugging and cement verification 6. Core Analysis 7 Other:	
· · · · · · · · · · · · · · · · · · ·	
34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instruction).	ns):
Electronic Submission #495605 Verified by the BLM Well Information System.  For EOG RESOURCES INCORPORATED, sent to the Hobbs	
Committed to AFMSS for processing by CHRISTOPHER WALLS on 04/06/2020 (20CRW0022SE)	
Name (please print) KAY MADDOX Title REGULATORY SPECIALIST	
Signature (Electronic Submission) Date 12/12/2019	<u> </u>
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 ag	

## Revisions to Operator-Submitted EC Data for Well Completion #495605

**Operator Submitted** 

**BLM Revised (AFMSS)** 

Lease:

NMNM110836

NMNM110836

Agreement:

Operator:

EOG RESOURCES, INC PO BOX 2267 MIDLAND, TX 79702 Ph: 432-686-3658

EOG RESOURCES INCORPORATED PO BOX 2267 MIDLAND, TX 79702 Ph: 432.686.3689

Admin Contact:

KAY MADDOX REGULATORY SPECIALIST E-Mail: KAY\_MADDOX@EOGRESOURCES.COM Cell: 432-638-8475 Ph: 432-686-3658

KAY MADDOX

REGULATORY SPECIALIST

E-Mail: kay\_maddox@eogresources.com Cell: 432-638-8475

Ph: 432-686-3658

Tech Contact:

KAY MADDOX REGULATORY SPECIALIST E-Mail: KAY\_MADDOX@EOGRESOURCES.COM Cell: 432-638-8475

Ph: 432-686-3658

KAY MADDOX REGULATORY SPECIALIST

E-Mail: kay\_maddox@eogresources.com Cell: 432-638-8475

Ph: 432-686-3658

Well Name: Number:

FEARLESS 23 FEDERAL COM

506H

FEARLESS 23 FED COM

506H

Location:

State:

NM

County: S/T/R:

NM LEA Sec 23 T25S R32E Mer NMP LEA Sec 23 T25S R32E Mer NMP

Surf Loc:

NENW 661FNL 2009FWL 32.121424 N Lat, 103.647844NENW 661FNL 2009FWL 32.121424 N Lat, 103.647844 W Lon

Field/Pool:

WC025G08S253235G;LWR BS

WC025G08S253235G-LWR BONE SPR

Logs Run:

Producing Intervals - Formations:

**BONE SPRING** 

**BONE SPRING** 

Porous Zones:

RUSTLER T/SALT B/SALT

BRUSHY CANYON 1ST BONE SPRING SAND 2ND BONE SPRING SAND

RUSTLER TOP OF SALT BASE OF SALT BRUSHY CANYON BONE SPRING 1ST BONE SPRING 2ND

Markers:

RUSTLER

TISALT
B/SALT
BRUSHY CANYON
1ST BONE SPRING SAND
2ND BONE SPRING SAND

RUSTLER TOP OF SALT BASE OF SALT BRUSHY CANYON BONE SPRING 1ST BONE SPRING 2ND