District I				1	State of Nev	v Mexico	* .	HOBI	3S OCI	Form C-104		
1625 N. French I	Dr., Hobbs,	NM 88240) E	nergy, N	Minerals & 1	Natural Re	sourc	es Oct) 1 2018	Revised August 1, 2011		
District II811 S.	First St., A	rtesia, NM	88210									
District III1000	Rio Brazos	Rd., Aztec	, NM 87410	Oil	Conservati	ion Division State Generate District Office						
District IV 1220 S. St. Franc	cis Dr., San	ta Fe. NM	87505		20 South St. Santa Fe, N		r.			AMENDED REPORT		
	I.				-		тно	RIZATION	TO TRA	NSPORT		
¹ Operator n								² OGRID Numb	-			
EOG RESOU								³ Reason for Fi	737 ling Code/ Eff			
MIDLAND,	TX 7970	2)/2018			
⁴ API Numbe		5 P	ool Name		TANK; UPP				⁶ Pool Cod	le 3097		
30 – 025-4 ⁷ Property Co									⁹ Well Nu			
316102				OKK	TANNA 2		KAL			706H		
	II.	¹⁰ Surf	ace Locati	on								
UI or lot no.		Townsh		Lot Idn	Feet from the		h	Feet from the	•	line County		
0	20	265	33E		583'	SOUTH		2432'	EAST	LEA		
UL or lot no	ottom Ho	Townsh		Lot Idn	Feet from the	North/Sout	th	Feet from the	East/West	line County		
В	20	265	33E	Lotiun	246'	NORTH		1785'	EAST	LEA		
¹² Lse Code S		oducing od Code		Gas ion Date	¹⁵ C-129 Per	mit Number	¹⁶ C	-129 Effective I	Date 17	C-129 Expiration Date		
5		WING	connect									
III. Oil a		Transpo	rters		10 -					20 - 1 - 1 - 1		
¹⁸ Transpor OGRID	ter				•	er Name and ress						
372812					EOGR	M .				OIL		
151619										CAS		
121019	151618 ENTERPRISE FIL									GAS		
298751	5 FM (6.2) F 16.2) F 16.2)			REG	ENCY FIELD	SERVICES, L	LC		L.	GAS		
26705	100					TOFALA						
36785					DCP MIDS					GAS		
IV.			etion Data	1								
²¹ Spud Da 05/10/201			dy Date /29/2018		23 TD 17,220' MD	²⁴ PBTD A 17,193		²⁵ Perforat 12.544-17	193' MD	²⁶ DHC, MC		
	ole Size			g & Tubin	12721 14	0	epth Se	12204	12-19-	Sacks Cement		
	7 1/2"			13 3/8"	-		965'		900 SXS CL C/CIRC			
12	2 1/4"	ł-		9 5/8"		4,	,848'		162	5 SXS CL C/CIRC		
8	3/4"			7 5/8"		11	,726'		515	SXS CL C&H/1620'		
e				5 ½"		17	,205'			SXS CLC H/ETOC		
	Test Da								10,6	98′		
³¹ Date Nev			livery Date	33 7	est Date	³⁴ Test	Lengt	:h ³⁵ Tb	g. Pressure	³⁶ Csg. Pressure		
08/29/2018	3	08/2	9/2018	09,	/02/2018	24				1925		
³⁷ Choke S	ize		Oil	39	Water		Gas			⁴¹ Test Method		
52			299		1024	4243 OIL CONSERVATION DIVISION						
⁴² I hereby cer been complie								OIL CONSER	VATION DIVIS	ION		
complete to ti Signature:	he best of	my know	ledge and be	lief.		Approved by:						
	lan '	Mal	1dox			Арргочец Бу.	Ø	Ala				
Printed name						Title:	77	/	Data	1		
Kay Maddo Title:	Kay Maddox Title							a / /	reur	bleum Engineer		
						Approval Date		9/09/1	8			
Regulatory A		۲					10	10/110	-			
E-mail Addres Kay_Maddox	s:	urces.con	n				70	/ 0 / 1/ 0		- <u> </u>		
E-mail Addres Kay_Maddox Date:	s:		n Phone: 432-686-365	58			70	· / · / // ·				

SUBMIT IN TRIPLICATE - Other instructions on page 2 7. If Unit or CA/Agreement, Name 1. Type of Well 8. Well Name and No. ORRTANNA 20 FEDERAL 70 2. Name of Operator EOG RESOURCES, INC Contact: KAY MADDOX E-Mail: kay_maddox@eogresources.com 9. API Well No. 30-025-43746 3a. Address PO BOX 2267 ATTENTION; KAY MADDOX MIDLAND, TX 79702 3b. Phone No. (include area code) Ph: 432-686-3658 10. Field and Pool or Exploratory A SANDERS TANK; UPPER 4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 11. County or Parish, State Sec 20 T26S R33E Mer NMP SWSE 583FSL 2432FEL 11. County or Parish, State 32.023367 N Lat, 103.593590 W Lon 11. County of Parish, State 12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA TYPE OF SUBMISSION TYPE OF ACTION I Acidize Deepen Production (Start/Resume) Water Alter Casing Hydraulic Fracturing Reclamation Well II Subsequent Report Casing Repair New Construction Recomplete Well II	E	UNITED STATE EPARTMENT OF THE I SUREAU OF LAND MANA NOTICES AND REPO is form for proposals to Ell. Use form 3160-3 (AP	NTERIOR GEMENT	HOBBS	2018	FORM OMB N Expires: J 5. Lease Serial No. NMNM118727 6. If Indian, Allottee of	O. 1004 anuary	4-0137 31, 2018	
Image of Density Contact: Contact: KAY MADDOX ORRTANNA 20 FEDERAL 70 2. Name of Operatory Contact: KAY MADDOX 3. API Well No. 3a. Address - OB OX 2257 ATTENTION; KAY MADDOX 3b. Phone No. (include area code) 9h: 432-686-3658 10. Field and Pool or Exploratory A SANDERS TANK:/DPER 4. Location of Well (Poolage, Sec. T., R. M., or Survey Description) 11. County or Parish, State 12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DAT/A 32. 023367 N Lat, 103 593590 W Lon TYPE OF ACTION LEA COUNTY, NM 12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DAT/A TYPE OF SUBMISSION TYPE OF ACTION Invice of Intent Acidize Deepen Production (Start/Resume) Water G Subsequent Report Casing Repair New Construction Reclamation Well In Production (Start/Resume) Water Disposal 13. Describe Proposed or Complete Operation: Clearly state all performed or provide the Boad No. on file with BLMBIA. Required Subsequent markers a Attach the Boad under which the work will be performed or provide the Boad No. on file with BLMBIA. Required Subsequent markers a Attach the Boad under which the work will be performed or provide the Boad No. on file with BLMBIA. Required subsequer tropost must be filed within a file over complete in the must be filed within a new interventide dights of all pertiment markers a Attach the Boad				**		7. If Unit or CA/Agre	ement,	Name and/or No.	
EOG RESOURCES, INC E-Mall: kay_maddox@geogresources.com 30-025-43746 3a. Address PO BAX 3b. Phone No. (include area code) Ph: 432-566-3658 10. Field and Peol or Exploratory A SANDERS TANK/UPPER MIDLAND, TX 79702 4. Location of Well (<i>Footage, Sec. T, R, M, or Survey Description</i>) 11. County or Parish, State Sec 20 T265 R33E Mor NMP SWSE 583FSL 2432FEL 11. County or Parish, State LEA COUNTY, NM 32.023367 N Lat, 103.593590 W Lon 11. County or Parish, State LEA COUNTY, NM 12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA TYPE OF SUBMISSION TYPE OF ACTION II. Subsequent Report Acidize Deepen Production (Start/Resume) Water II. Subsequent Report Casing Repair New Construction Recomplete Ø Other II. Besche Proposed or Completed Operation. Clearly state all performed en provide the Bond No. on file with BLM261A. Require disberguent reports must be filed only after all requirements, including reclamation, have been completed. Ø Other 13. Describe Proposed or Completed Operation. Clearly state all performed on provide the Bond No. on file with BLM261A. Require disbeguent reports must be filed within 3 subsequent Report I Control with BLM261A. Require disbeguent reports must be filed within 3 performed on provide the Bond No. on file with BLM261A. Require disbeguent reports must be filed within 3 performed on provide the Bond No. on file with BLM261A. Require disbesequent reports must be filed within 3 performed on provide the B	•••	her			· · · · · · · · · · · · · · · · · · ·			AL 706H	
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Final Abandonment Notice If Control Plug and Abandon If Control Plug Back Control Plug Back If Control Plug Back If Control Plug Back If Control Plug Back Control Plug Back If Control Plug Back If Control Plug Back Control Plug Back If Control Plug Back If Control Plug Back Control Plug Back If Control Plug Back If Control Plug Back Control Plug Back If Control Plug Back If Control Plug Back If Control Plug Back If Control Plug Back If Control Plu		□ Alter Casing	🗖 Hyd	Iraulic Fracturing	🗖 Reclama	ation		Well Integrity	
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13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duratic If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers a Attach the Bond under which the work will be performed or provide the Bond No. on file with BL/MBIA. Required subsequent reports must be filed within 3 following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed within 3 following completion of the involved operations. 06/20/2018 RIG RELEASED 08/04/2018 MIRU PREP TO FRAC, TEST VOID 5000 PSI,SEALS & FLANGES TO 8500 PSI 08/15/2018 BEGIN PERF & FRAC 08/04/2018 BLIS LOAD FLUID 0800 PSI,SEALS & FLANGES TO 8500 PSI 08/15/2018 BEGIN PERF & FRAC 08/25/2018 BEGIN PERF & FRAC 12,544-17,193', 1002 3 1/8" SHOTS FRAC W/11,239,160 LBS PROPPANT, 185,642 BBLS LOAD FLUID 08/29/2018 DECINED WELL TO FLOWBACK 08/29/2018 OPENED WELL TO FLOWBACK DATE OF FIRST PRODUCTION 14. Thereby certify that the foregoing is true and correct. Electronic Submission #437291 vertified by the BLM Well Information System For EOG RESOURCES, INC, sent to the Hobbs Name (Printed/Typed) KAY MADDOX Title REGULATORY SPECIALIST	Final Abandonment Notice	Change Plans	Plug and Abandon			orarily Abandon Production St			
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Electronic Submission #437291 verified by the BLM Well Information System Name (Printed/Typed) KAY MADDOX Title REGULATORY SPECIALIST Signature (Electronic Submission) Date 09/26/2018	If the proposal is to deepen direction Attach the Bond under which the wo following completion of the involved testing has been completed. Final Ai determined that the site is ready for f 06/20/2018 RIG RELEASED 08/04/2018 RIG RELEASED 08/04/2018 BIGIN PERF & F 08/25/2018 FINISH 18 STAGI PROPPANT, 185,642 BBLS L 08/27/2018 DRILLED OUT PI 08/29/2018 OPENED WELL T	ally or recomplete horizontally, rk will be performed or provide l operations. If the operation re- bandonment Notices must be fil- inal inspection. FRAC, TEST VOID 5000 F RAC ES PERF & FRAC 12,544 OAD FLUID OG FLOWBACK	give subsurface the Bond No. o sults in a multip ed only after all PSI,SEALS 8 -17,193', 100	locations and measu n file with BLM/BIA le completion or reco requirements, includi	red and true ve . Required sub mpletion in a r ing reclamation 500 PSI	rtical depths of all pertin ssequent reports must be lew interval, a Form 316 h, have been completed a	ent mar filed w 0-4 mus	kers and zones. ithin 30 days st be filed once	
	Name (Printed/Typed) KAY MAD	Electronic Submission #4 For EOG F DOX	437291 verifie RESOURCES,	INC, sent to the H	Iobbs ATORY SPE		<u>.</u>		
	Signature (Electronic S	and the second				 }F		<u></u>	
						/h 			

Approved By	Title	Date
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office	

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 fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

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** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED **



EOG Resources, Inc. P.O. Box 2267 Midland, TX 79702 (432) 686-3600

September 26, 2018

State of New Mexico Oil Conservation Division – District 1 1625 N. French Drive Hobbs, New Mexico 88240 HOBBS OCD OCT 0 1 2018 RECEIVED

Re: Request for exception to Rule 107 J Tubingless Completion ORRTANNA 20 FEDERAL #706H 30-025-43746

EOG Resources, Inc. requests an exception to NMOCD Rule 107 J regarding required production tubing. EOG requests a tubingless completion for the well listed above to allow greater flowback after frac stimulation.

The plan is to install production tubing as soon as flow decreases, which should occur within 6 months.

Thank you for your consideration of this request. If additional information is needed, please contact me at 432 686-3658.

Sincerely,

EOG Resources, Inc.

uddiX

Kay Maddox Regulatory Analyst

										HO	BB	S	OCĘ)			
Form 3160-4 (August 2007	•		DIDEA	RTME		DMA	EINT	ERIOR EMENT	T	00	T 0 1	.21	018		O. Ex	MB No. pires: Jul	PROVED 1004-0137 Iy 31, 2010
	WELL	COMP	LETION	OR RI	ECC	MPL	ETIC	ON RE	PORT	AND	loc i	V	ED	5. L	ease Seria	l No. 8727	
la. Type c	-	d Oil Wel	_		_	Dry							Ī	6. Ii	f Indian, A	llottee o	or Tribe Name
b. Туре с	of Completio	_	New Well		ork O	ver	D De	epen	🗖 Pluį	g Back	🗖 Dii	ff. R		7. U	Init or CA	Agreen	ent Name and No.
2. Name o EOG F	f Operator RESOURCE	ES, INC		E-Mail:	KAY			AY MAD		CES.CC	м		·		ease Nam DRRTAN		ell No. EDERAL 706H
3. Address	PO BOX MIDLAN		702						Phone N 432-68	o. (includ 6-3658	le area co	ode)		9. A	PI Well N	0.	30-025-43746
4. Locatio	n of Well (R	eport locat	tion clearly a	nd in ac	corda	nce wit	th Fed	eral requ	irements)*				10.	Field and I	Pool, or	Exploratory
At surf	At surface SWSE 583FSL 2432FEL 32.023367 N Lat, 103.593590 W Lon SANDERS TANK;WOLFCAMP												Block and Survey				
At top	At top prod interval reported below SWSE 370FSL 1823FEL 32.022783 N Lat, 103.591624 W Lon or Area Sec 20 T26S R33E Mer												26S R33E Mer NMP				
At total		VNE 246	FNL 1785FI				it, 103		~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~					Ĺ	EA		NM
14. Date S 05/10/2				0ate T.D 5/17/20		ched			$\square D \&$	Complet A 🛛 🔀 9/2018	ted Ready 1	to Pr		17. 1		(DF, K) 253 GL	B, RT, GL)*
18. Total I	Depth:	MD TVD	1722 1233		19.	Plug E	Back T	.D.:	MD TVD		7193 2331		20. Dept	h Bri	dge Plug S		MD TVD
21. Type E	lectric & Ot	her Mecha	nical Logs F	tun (Sut	omit c	opy of	each)				l w	as D	vell cored? ST run? ional Surv		No No No	Yes Yes Yes	s (Submit analysis) s (Submit analysis) s (Submit analysis)
23. Casing a	nd Liner Rec	cord (Rep	ort all string	s set in v	well)	1				······			Ċ	_	-		· · · · · · · · · · · · · · · · · · ·
Hole Size	le Size Size/Grade Wt. (#/ft.) Top (MD)				•	- I *			ementer pth				Slurry V (BBL	E Cement Ion+			Amount Pulled
17.500		3.375 J55 9.625 J55	1				965 4848					0					
8.750		HCP110		+		1	1726			515							
6.750	5.500	HCP110	20.0			1	7205					540		10698			
24. Tubing	Record					L		L	· · · · · ·								L
Size	Depth Set (1	MD) P	acker Depth	(MD)	Si	ze	Deptl	n Set (M	D) P	acker De	pth (MD)	Size	De	pth Set (N	ID)	Packer Depth (MD)
25 Produci	ng Intervals				[26	Perforati	ion Reco	rd							
	ormation	T	Тор		Bo	ottom			rforated				Size	1	lo. Holes		Perf. Status
A)	WOLF			12544		17193	3		1	2544 TC) 17193		3.25		1002		N
<u>B)</u> C)							+					-		+		+	
D)																1	
·	racture, Trea		ment Squeez	e, Etc.							1.77	<u></u>					
	Depth Interv 1254		193 11,239,	160 LBS	PRO	PPANT	, 185,6	642 BBLS		nount and -LUID	1 Type o	I IVIA					
28. Product	ion - Interval	A													····		
Date First Produced 08/29/2018	Test Date 09/02/2018	Hours Tested 24	Test Production	Oil BBL 2299		Gas MCF 4243.	B	^r ater BL 1024.0	Oil Gra Corr. A	PÍ	Gas Gra	s ivity	Pr	oducti	on Method		
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL		Gas MCF	W	ater BL	Gas:Oi Ratio	44.0 Gas:Oil Paria		Well Status		FLOWS FROM WELL			
52	SI	1925.0								1845		PC	W				
28a. Produc Date First	tion - Interva Test	al B Hours	Test	Oil		Gas		ater	Oil Gra	vitv	Gas			oducti	on Method		
Produced	Date	Tested	Production	BBL	1	MCF		ater BL	Corr. A			vity			on menod		
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL		Gas MCF		'ater BL	Gas:Oil Ratio	1	We	ll Stat	us				
(See Instructi	ons and spa	ces for add	litional data	on revei	rse sid	de) HF BI	M WI	ELF. INF	FORMA	TION S	VSTEM						

** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED **

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1		-1.0		<u></u>												
	uction - Interv	Hours	Test	Oil	Gas	Water	lotente			Desta de la l						
Date First Produced	Date	Tested	Production	BBL	Gas MCF	BBL	Oil Gravity Corr, API	Ga	as avity	Production Method						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	We	ell Status	• · · · · · · · · · · · · · · · · · · ·	······································					
28c. Produ	uction - Interv	al D	1 -	1				l								
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Ga Gra	is avity	Production Method						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	We	ell Status	ll Status						
29. Dispos SOLD	sition of Gas/S	Sold, used	for fuel, vent	ed, etc.)												
	ary of Porous	Zones (In	clude Aquife	rs):					31. For	mation (Log) Markers						
tests, i	all important z ncluding depti coveries.	zones of pe	orosity and co tested, cushic	ontents there on used, time	eof: Cored in e tool open,	ntervals and flowing and	l all drill-stem d shut-in pressu	res								
	Formation		Тор	Bottom		Descripti	ons, Contents, e	tc.		Name	Top Meas. Depth					
2ND BONE 3RD BONE WOLFCAM 32. Additio	CANYON SPRING SA SPRING SI SPRING SI	HALE AND			BAF BAF OIL OIL OIL OIL	REN REN REN & GAS & GAS & GAS & GAS & GAS			T/S. B/S BRI 1ST 2NE 3RE	STLER ALT JSHY CANYON BONE SPRING SAND DONE SPRING SHALE DBONE SPRING SAND LFCAMP	784 1127 4677 7616 10021 10624 11745 12172					
33. Circle e	enclosed attack	hments:														
	trical/Mechan dry Notice for	-	•			Report alysis		 DST Report Other: 	eport 4. Directional Survey							
34. I hereby	y certify that t	he foregoi	-	onic Submis	sion #4372	94 Verified	rrect as determir i by the BLM V , INC, sent to t	Vell Infor	mation Syst	ecords (see attached instruction tem.	ons):					
Name <i>(</i> µ	olease print) <u>F</u>		DOX				Title F	REGULAT	TORY SPE	CIALIST						
Signatu	ге(Electroni	c Submissio	n)			Date (9/26/201	8							
Title 18 U.S of the Unite	S.C. Section 1 ed States any f	001 and T alse, fictit	itle 43 U.S.C	. Section 12 lent stateme	12, make it nts or repres	a crime for sentations a	any person kno s to any matter	wingly and within its j	d willfully to urisdiction.	o make to any department or a	gency					
						~~~~										

** ORIGINAL **

Bureau of Land Management Hobbs Field Office 414 W. Taylor Hobbs, New Mexico 505.393.3612

## WATER PRODUCTION & DISPOSAL INFORMATION

Well: ORRTANNA 20 FEDERAL FACILITY Sec 20 T26S, R33E Orrtanna 20 Federal #706H 30-025-43746

- 1. Name of formations producing water on lease: WOLFCAMP
- 2. Amount of water produced from all formations in barrels per day 1000 BWPD
- 3. How water is stored on lease Tanks: 4-400 bbl tanks
- 4. How water is moved to disposal facility **Pipeline/Trucked**
- 5. Disposal Facility:
  - a. Facility Operators name EOG RESOURCES INC
  - b. Name of facility or well name & number

**BLACK BEAR 36 STATE #5** 

30-025-40585

H-36-25S-33E

Permit no SWD 1359

c. Type of facility or wells SWD