District II

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720 District III 1000 Rio Brazos Rd., Aztec, NM 87410

Phone:(505) 334-6178 Fax:(505) 334-6170

knowledge and belief.

⋈, if applicable. Signature:

Printed Name: Title:

Email Address:

Date:

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

23. I hereby certify that the information given above is true and complete to the best of my

Electronically filed by Kay Maddox

kay maddox@eogresources.com

Regulatory Agent

3/4/2020

I further certify I have complied with 19.15.14.9 (A) NMAC ⊠ and/or 19.15.14.9 (B) NMAC

Phone: 432-686-3658

State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505

Form C-101 August 1, 2011

Permit 278964

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR	RADD A ZONE
---	-------------

	me and Address		ATIONT OKTE	WIII TO DIVIL	_, rarr_	, DEE! E	II, I LOODA	JI, OIT/101		RID Number		
	G RESOURCES I	NC								7377		
	. Box 2267								3. API	Number		
	land, TX 79702		T							30-015-4680	09	
4. Property Co			5. Property Name						6. Wel			
327	'256		WAR HO	UND 2 STATE CC	OM					401H		
					7. Surface Lo	cation						
UL - Lot	Section	Township	Range	Lot Idn	Feet F	om	N/S Line	Feet From		E/W Line	County	
E	2	178	3 27	Ε	E	2612	N	2	60	W		Eddy
				8. Prop	osed Bottom	Hole Location	n					
UL - Lot	Section	Township	Range	Lot Idn	Feet F	rom	N/S Line	Feet From		E/W Line	County	
Н	2	173	3 27	E	Н	2466	N		100	E		Eddy
					9. Pool Infor	mation						
HART CANY	ON; ABO								97450			
				Ada	ditional Well I	nformation						
11. Work Type		12. Well 7	уре	13. Cable/Ro		14. Lea:	se Туре	15. Gr	ound Lev	el Elevation		
Ne	w Well		OIL				State		346	8		
16. Multiple		17. Propo	sed Depth	18. Formation		19. Con	tractor	20. Sp	ud Date			
N			10844	At						2020		
Depth to Grou	nd water			Distance from	tance from nearest fresh water well Distance			nce to nearest surface water				
We will he	using a closed-lo	on evetom in li	au of lined nits									
Z VIC WIII DC	using a closed-lo	op system in i	cu oi iiiicu pits									
Туре	Hole Size	Casin	g Size	Casing Weight/ft	ed Casing an	Setting D		Sacks of	Cement		Estimated	TOC
Surf	12.25	9.6	625	36		1300		48	0		0	
Prod	8.75	5	.5	20		6415		94	5		0	
Prod	8.5	5	.5	20		1084	1	94	5			•
·			·	Casing/Cemer	nt Program: A	dditional Co	mments					· · · · · · · · · · · · · · · · · · ·
				_ 209. 2011101								
				22. Propose	ed Blowout P	revention Pro	ogram					
	Туре		Working Pres		2.5.00001	Test Pressure	- g			Manufacturer		
	Double Ram		3000			3000			Whichever is available			

OIL CONSERVATION DIVISION

Expiration Date: 3/9/2022

Raymond Podany

Geologist

3/9/2020

Conditions of Approval Attached

Approved By:

Approved Date:

Title:

District I 1625 N. French Dr., Hobbs, NM 88240 Phone: (575) 393-6161 Fax: (575) 393-0720 District II 811 S. First St., Artesia, NM 88210 Phone: (575) 748-1283 Fax: (575) 748-9720 1000 Rio Brazos Road, Aztec, NM 87410 Phone: (505) 334-6178 Fax: (505) 334-6170 1220 S. St. Francis Dr., Santa Fe, NM 87505 Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION 1220 South St. Francis Dr. Santa Fe, NM 87505

FORM C-102 Revised August 1, 2011 Submit one copy to appropriate **District Office**

AMENDED REPORT

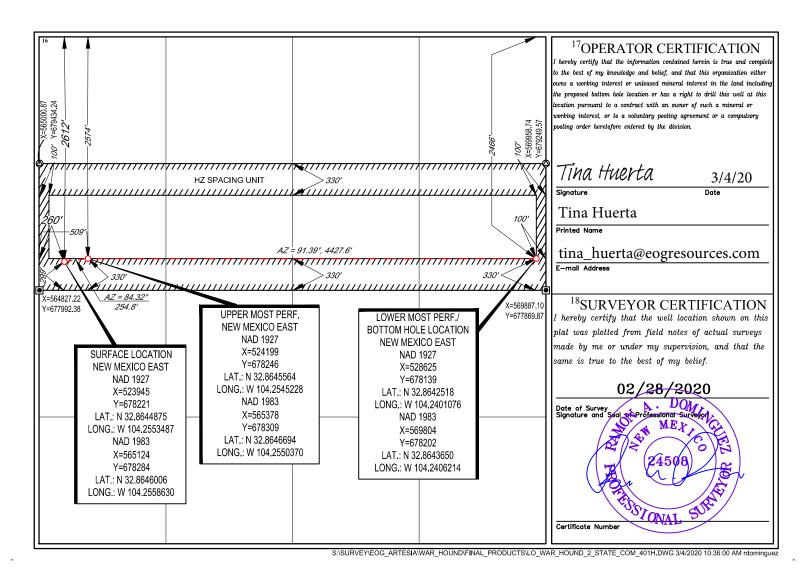
WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number	² Pool Code	³ Pool Name				
		Wildcat; Abo				
⁴ Property Code	5Pr	⁶ Well Number				
	WAR HOUND 2 STATE COM 401H					
⁷ OGRID No.	⁸ O _I	⁹ Elevation				
7377	EOG RES	3468'				
10 Surface Location						

Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	02	17-S	27-E	-	2612'	NORTH	260'	WEST	EDDY
	11Bottom Hole Location If Different From Surface								
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	02	17-S	27-E	-	2466'	NORTH	100'	EAST	EDDY
12Dedicated Acres	12 Dedicated Acres 13 Joint or Infill 14 Consolidation Code 15 Order No.								
160.00									

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.



State of New Mexico

District II	Energy, iviinerais and Naturai Resource
811 S. First St., Artesia, NM 88210	0J.
Phone:(575) 748-1283 Fax:(575) 748-9720	Oil Conservation Division
District III	
1000 Rio Brazos Rd., Aztec, NM 87410	1220 S. St Francis Dr.
Phone:(505) 334-6178 Fax:(505) 334-6170	1220 01 011 1411010 211
District IV	Santa Fe, NM 87505
1220 S. St Francis Dr., Santa Fe, NM 87505	Santa i e, itivi or 303
Phone:(505) 476-3470 Fax:(505) 476-3462	

		GAS (CAPTURE PLA	N			
Date: 3/9/2020							
☑ Original	Operator & OGRID N	No.: [7377] EOG RES	SOURCES INC				
☐ Amended - Reason for Amendment:							
This Gas Capture Plan outlines action	ons to be taken by the Ope	erator to reduce well/pro	oduction facility flaring/	venting for new completion	on (new drill, recom	nplete to new zo	ne, re-frac) activity.
Note: Form C-129 must be submitte	ed and approved prior to ex	xceeding 60 days allow	ed by Rule (Subsectio	n A of 19.15.18.12 NMA	C).		
Well(s)/Production Facility - Name	of facility						
The well(s) that will be located at the	e production facility are sho	own in the table below.					
Well Name	1.	API	Well Location	Footages	Expected		
wen name	'	API	(ULSTR)	· comgoo	MCF/D	Flared or Vented	Comments
WAR HOUND 2 STATE COM #401h		30-015-46809		2612N 0260W			Comments
WAR HOUND 2 STATE COM #401h	H :	30-015-46809	(ULSTR) E-2-17S-27E	2612N 0260W	MCF/D 500	Vented None	
WAR HOUND 2 STATE COM #401h Gathering System and Pipeline Not Well(s) will be connected to a produ	H stification uction facility after flowback	30-015-46809 k operations are comple	(ULSTR) E-2-17S-27E ete, if gas transporter s	2612N 0260W	500 sas produced from p	Vented None	y is dedicated to
WAR HOUND 2 STATE COM #401h Gathering System and Pipeline Not Well(s) will be connected to a produ Lucid Artesia Company an	H stification uction facility after flowback and will be connected to Lu	30-015-46809 k operations are comple cid Artesia Company	(ULSTR) E-2-17S-27E ete, if gas transporter s Low Pressure	2612N 0260W system is in place. The gathering system local	500 as produced from pled in Eddy	Vented None production facili County, Ne	y is dedicated to
WAR HOUND 2 STATE COM #401h Gathering System and Pipeline Not Well(s) will be connected to a produ Lucid Artesia Company an require 500' of pipeline to con	tification uction facility after flowback and will be connected to Lu	30-015-46809 k operations are completed Artesia Company ressure gathering sys	ete, if gas transporter s Low Pressure tem. EOG RESOURC	2612N 0260W system is in place. The gathering system local ES INC provides (period	as produced from pled in Eddy odically) to Lucid A	None Production facili County, Ne Artesia Compar	y is dedicated to
WAR HOUND 2 STATE COM #401h Gathering System and Pipeline Not Well(s) will be connected to a produ Lucid Artesia Company an require 500' of pipeline to con completion and estimated first produ	tification uction facility after flowback and will be connected to Lu	30-015-46809 k operations are completed Artesia Company ressure gathering systems can be defilled to be drill	ete, if gas transporter s Low Pressure tem. EOG RESOURC ed in the foreseeable	2612N 0260W system is in place. The grathering system local ES INC provides (perifuture. In addition, EOG	as produced from pled in Eddy odically) to Lucid A	vented None production facili County, Ne Artesia Compar	y is dedicated to w Mexico. It will y a drilling

Flowback Strategy

After the fracture treatment/completion operations, well(s) will be produced to temporary production tanks and gas will be flared or vented. During flowback, the fluids and sand content will be monitored. When the produced fluids contain minimal sand, the wells will be turned to production facilities. Gas sales should start as soon as the wells start flowing through the production facilities, unless there are operational issues on Lucid Artesia Company system at that time. Based on current information, it is EOG RESOURCES INC's belief the system can take this gas upon completion of the well(s).

Safety requirements during cleanout operations from the use of underbalanced air cleanout systems may necessitate that sand and non-pipeline quality gas be vented and/or flared rather than sold on a temporary basis.

Alternatives to Reduce Flaring

Below are alternatives considered from a conceptual standpoint to reduce the amount of gas flared.

- Power Generation On lease
 - Only a portion of gas is consumed operating the generator, remainder of gas will be flared
- Compressed Natural Gas On lease

compression operating parameters and gathering system pressures.

- Gas flared would be minimal, but might be uneconomical to operate when gas volume declines
- NGL Removal On lease
 - · Plants are expensive, residue gas is still flared, and uneconomical to operate when gas volume declines

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District III 1000 Rio Brazos Rd., Aztec, NM 87410

Phone:(505) 334-6178 Fax:(505) 334-6170

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. **Santa Fe, NM 87505**

Form APD Comments

Permit 278964

PERMIT COMMENTS

Operator Name and Address:	API Number:
EOG RESOURCES INC [7377]	30-015-46809
P.O. Box 2267	Well:
Midland, TX 79702	WAR HOUND 2 STATE COM #401H

Created By Comment Comment Date

District II 811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III 1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. **Santa Fe, NM 87505**

Form APD Conditions

Permit 278964

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address:	API Number:
EOG RESOURCES INC [7377]	30-015-46809
P.O. Box 2267	Well:
Midland, TX 79702	WAR HOUND 2 STATE COM #401H

OCD Reviewer	Condition
ksimmons	Will require a directional survey with the C-104
ksimmons	Cement is required to circulate on both surface and intermediate1 strings of casing

State Permit Information:

Well Name: War Hound 2 State Com #401H

Location:

SL: 2612' FNL 260' FWL, Unit E 2-17S-27E BHL: 2466' FNL 100' FEL, Unit H 2-17S-27E

Casing Program:

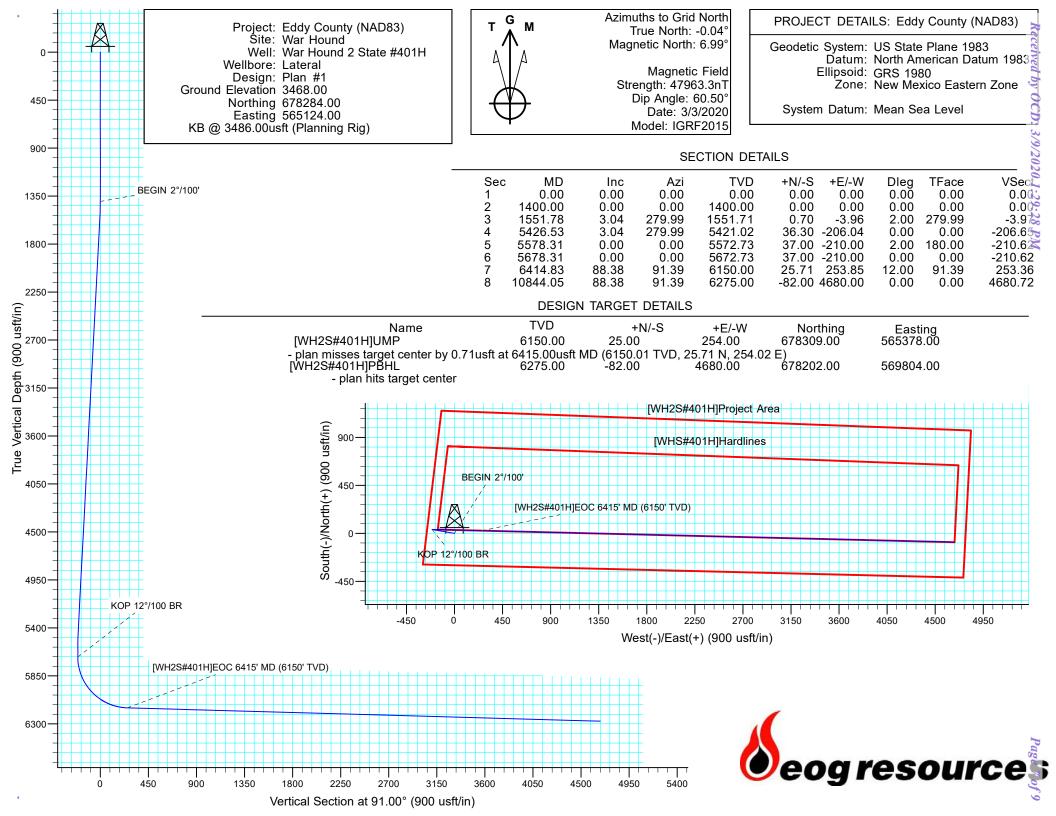
Hole		Csg				$\mathbf{DF}_{\mathbf{min}}$	$\mathbf{DF}_{\mathbf{min}}$	$\mathbf{DF}_{\mathbf{min}}$
Size	Interval	OD	Weight	Grade	Conn	Collapse	Burst	Tension
12.25"	0'-1,300'	9.625"	36#	J-55	LTC	1.125	1.25	1.80
8.75"	0'-6,415'	5.5"	20#	P-110	BTC	1.125	1.25	1.80
8.5"	6,415'-10,844'	5.5"	20#	P-110	BTC	1.125	1.25	1.80

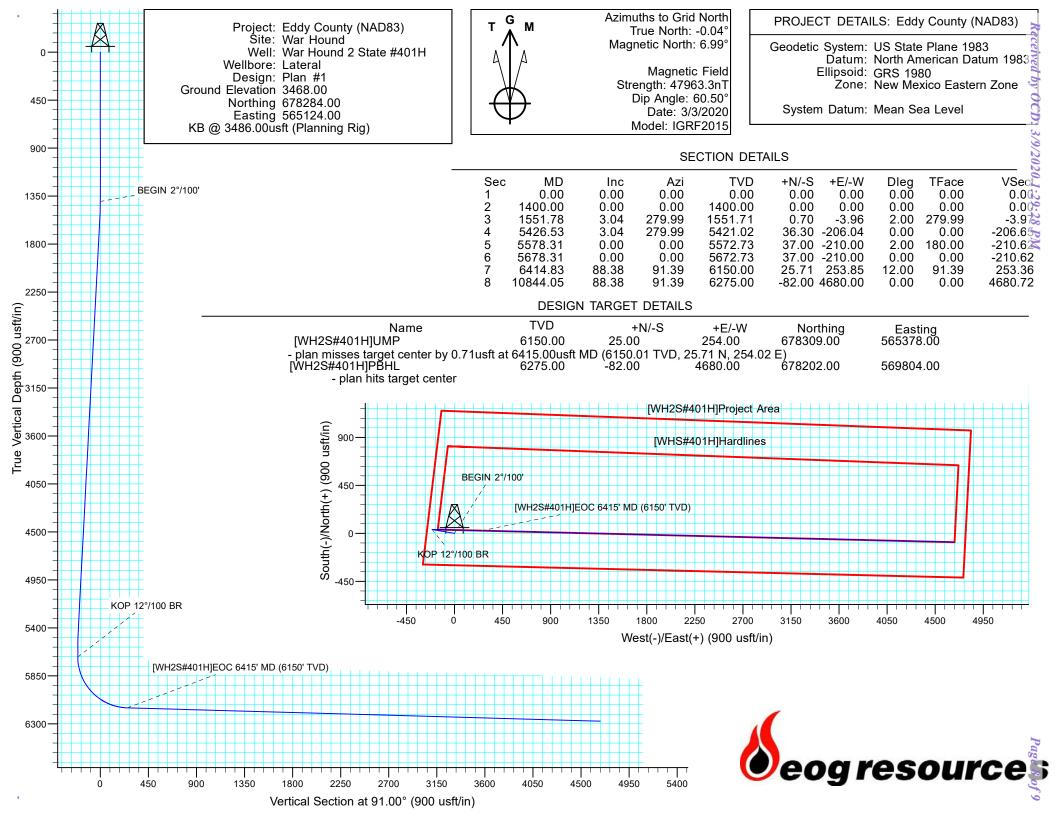
Cement Program:

	No.	Wt.	Yld	
Depth	Sacks	lb/gal	Ft ³ /ft	Slurry Description
1,300'	270	12.9	1.97	Lead: Class 'C' + 4%PF20(Bentonite Gel) + 2%PF1(Calcium
				Chloride) + 0.125#/skPF29(Celloflake) + 0.4#/skPF45
				(Defoamer) 100% Excess
				(TOC @ Surface)
	210	14.8	1.34	Tail: Class 'C' + 2%PF1(Calcium Chloride)
10,844	775	11.9	2.47	Lead: Class 50/50 PozC + 5%PF44(BWOW)(Salt) + 10%
				PF20(Bentonite Gel) +.2%PF153(Anti Settling Agent(+
				3#/sk OF42(Kolseal) + 0.125#/sk PF29 (celloflake) + 0.4#/sk
				PF45 (Defoamer) (TOC @ Surface) 35% Excess
	1115	13	1.48	Tail: Class PVL + 1.3% PF44(BWOW)(Salt) + 5% PF174
				(Expanding Cement) + 0.5% PF606 (Fluid Loss) + 0.1%
				PF153 (Anti Settling Agent) + 0.4#/sk PF45 (Defoamer) 35%
				Excess

Mud Program:

Depth	Type	Weight (ppg)	Viscosity	Water Loss
0-1,300'	Fresh Water	8.6-8.8	28-32	N/c
1,300'-10,844'	Cut Brine	8.8-9.5	34-40	Less than





Inten	t	As Dril	led											
API #	ŧ													
Operator Name:						Property Name:								Well Number
Kick (Off Point	(KOP)												
UL	Section	Township	Range	Lot	Feet		From N/S		Feet		From E/W		County	
Latit	Latitude				Longitu	Longitude							NAD	
First	Take Poir	it (FTP)												
UL	Section	Township	Range	Lot	Feet		From N	I/S	Feet		From E/W		County	
Latit	Latitude					Longitude							NAD	
	ast Take Point (LTP)													
												County		
Latit	uue	Longito	Longitude NAD											
Is this well the defining well for the Horizontal Spacing Unit?														
										_				
Is thi	s well an	infill well?												
	II is yes p ng Unit.	lease provi	ide API if	availat	ole, Opei	rator I	Name	and v	vell n	umber	tor E	Definir	ng well to	r Horizontal
API #	†													
Operator Name:					Property Name:								Well Number	
						I								V7.0C/20/2016

KZ 06/29/2018