

<b>Well Name:</b> PHILLIPS KH FEDERAL COM	<b>Well Location:</b> T14S / R27E / SEC 23 / SENE /	<b>County or Parish/State:</b> CHAVES / NM
<b>Well Number:</b> 1	<b>Type of Well:</b> CONVENTIONAL GAS WELL	<b>Allottee or Tribe Name:</b>
<b>Lease Number:</b> NMNM16093	<b>Unit or CA Name:</b> PHILLIP KH FEDERAL COM	<b>Unit or CA Number:</b> NMNM72058
<b>US Well Number:</b> 300056054000S1	<b>Well Status:</b> Producing Gas Well	<b>Operator:</b> EOG RESOURCES INCORPORATED

Accepted for record – NMOCD gc 7/14/2021

Notice of Intent

<b>Type of Submission:</b> Notice of Intent	<b>Type of Action</b> Plug and Abandonment
<b>Date Sundry Submitted:</b> 07/08/2021	<b>Time Sundry Submitted:</b> 08:39
<b>Date proposed operation will begin:</b> 07/22/2021	
<b>Procedure Description:</b> Please see attached. Thank you.	

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

**Procedure Description**

Phillips\_KH\_Federal\_Com\_1\_7\_8\_21\_20210708083919.pdf

Conditions of Approval

**Specialist Review**

Conditions\_of\_Approval\_20210712081810.pdf

General\_Conditions\_of\_Approval\_20210712081339.pdf

<b>Well Name:</b> PHILLIPS KH FEDERAL COM	<b>Well Location:</b> T14S / R27E / SEC 23 / SENE /	<b>County or Parish/State:</b> CHAVES / NM
<b>Well Number:</b> 1	<b>Type of Well:</b> CONVENTIONAL GAS WELL	<b>Allottee or Tribe Name:</b>
<b>Lease Number:</b> NMNM16093	<b>Unit or CA Name:</b> PHILLIP KH FEDERAL COM	<b>Unit or CA Number:</b> NMNM72058
<b>US Well Number:</b> 300056054000S1	<b>Well Status:</b> Producing Gas Well	<b>Operator:</b> EOG RESOURCES INCORPORATED

Operator Certification

I certify that the foregoing is true and correct. 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. Electronic submission of Sundry Notices through this system satisfies regulations requiring a submission of Form 3160-5 or a Sundry Notice.

**Operator Electronic Signature:** TINA HUERTA

**Signed on:** JUL 08, 2021 08:39 AM

**Name:** EOG RESOURCES INCORPORATED

**Title:** Regulatory Specialist

**Street Address:** 104 SOUTH FOURTH STREET

**City:** Artesia**State:** NM

**Phone:** (575) 748-4168

**Email address:** tina\_huerta@eogresources.com

Field Representative

**Representative Name:**

**Street Address:**

**City:****State:****Zip:**

**Phone:**

**Email address:**

BLM Point of Contact

**BLM POC Name:** JENNIFER SANCHEZ

**BLM POC Title:** Petroleum Engineer

**BLM POC Phone:** 5756270237

**BLM POC Email Address:** j1sanchez@blm.gov

**Disposition:** Approved

**Disposition Date:** 07/12/2021

**Signature:** Jennifer Sanchez

EOG Resources, Inc. plans to plug and abandon this well as follows:

1. MIRU all safety equipment as needed. NU BOP. POOH with production equipment.
2. Set a CIBP at 8000 ft with 25 sx Class H cement on top to 7671. WOC and tag. This will cover Morrow top and perms and Atoka top.
3. Spot a 25 sx Class H cement plug from 7613 ft – 7284 ft. This will cover Strawn top.
4. Spot a 25 sx Class C cement plug from 7431 ft – 7063 ft. This will cover L Canyon top.
5. Spot a 25 sx Class C cement plug from 6991 ft – 6623 ft. This will cover Cisco top.
6. Perforate at 6380 ft. Spot a 35 sx Class C cement plug from 6380 ft – 6206 ft. WOC and tag. This will cover TOC.
7. Perforate at 6120 ft. Spot a 43 sx Class C cement plug from 6120 ft – 5951 ft. WOC and tag. This will cover Wolfcamp LS top.
8. Perforate at 5070 ft. Spot a 40 sx Class C cement plug from 5070 ft – 4913 ft. WOC and tag. This will cover Abo top.
9. Perforate at 3293 ft. Spot a 37 sx Class C cement plug from 3293 ft – 3148 ft. WOC and tag. This will cover casing Glorieta top.
10. Perforate at 1650 ft. Spot a 60 sx Class C cement plug from 1650 ft – 1415 ft. WOC and tag. This will cover casing shoe and San Andres top.
11. Perforate at 314 ft. Spot a 30 sx Class C cement plug from 314 ft – 196 ft. WOC and tag. This will cover casing shoe.
12. Perforate at 51 ft. Spot a 13 sx Class C cement plug from 51 ft up to surface. WOC and tag. Back fill as needed.
13. Cut off wellhead and install dry hole marker. Clean location as per regulated.

Wellbore schematics attached

# Phillips KH Federal Com 1 Current

TS @ 6330 by TS

Perf B

Perf A

A

B

C

PBTD: 8,120 MD  
TD: 8,380 MD

Sec-TWN-RNG:		Sec. 23-14S-27E		API: 30-005-60540					
FOOTAGES:		1980' FNL & 660' FEL		GL: 3503					
				KB: 3520					
CASING DETAIL									
#	HOLE SIZE	SIZE	WGHT	GRADE	Top	Bottom	Sx Cmt	Circ/TOC	TOC Method
A	17 1/2	13 3/8	48	K-55	0	264	300	Circ	
B	12 1/4	8 5/8	24	K-55	0	1,600	810	Circ	
C	7 7/8	4 1/2	10.5/11.6	K-55	0	8,376	510	TOC @ 6330	TS
FORMATION TOPS									
		Formation	Top			Formation	Top		
		San Andres	1470						
		Glorieta	3243						
		Abo	5020						
		Wolfcamp LS	6070						
		Cisco	6941						
		L. Canyon	7381						
		Strawn	7563						
		Atoka	7910						
		Morrow Clas.	8000						
		Chester	8132						
		Mississipian LS	8172						
TUBING DETAIL									
#	Joints	Description	Length	OD	ID	Grade	Wt (lb/ft):	Top (ftKB):	Btm (ftKB):
		2-7/8" Tubing and packer						8,007	
		VI PKR @ 8007'							
		CIBP @ 8150' 30' cement on top							
Perforation Detail									
	Formation	Top	Bottom	Treatment					
A	Morrow	8,263	8,375	w/2000 gals 15% DS-30 acid and nirogen w/ball sealers					
B	Morrow	8,050	8,058	Sand frac'd perforations w/20000 gals MS frac fluid, 14000 gals MS frac fluid and 6000 gals CO2 and 14800# 20/40 sand. Treated w/1500g 7 1/2 MSA + N2, 14800# 20/40 sand in 14000q MS Frac + 6000g CO2					
C									
D									
E									

# Phillips KH Federal Com 1 Proposed

Plug #11: Surface Plug

Plug #10: Casing Shoe

Plug #9: SA Top + Casing Shoe

Plug #8: Glorieta Top

Plug #7: Abo Top

Plug #6: WC LS Top

Plug #5: TOC Plug  
TS @ 6330 by TS

Plug #4: Cisco Top

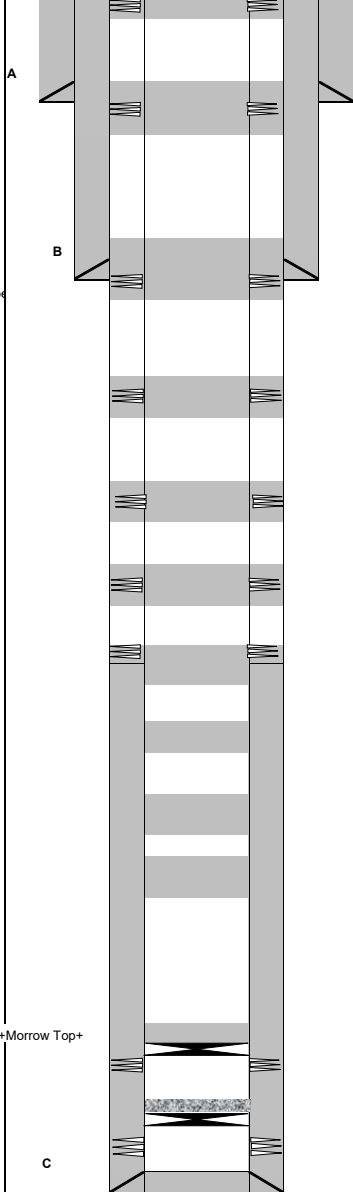
Plug #3: L. Canyon Top

Plug #2: Strawn Top

Plug #1: CIBP + Morrow Perfs + Morrow Top +  
Atoka Top

Perf B

Perf A



PBTD: 8,120 MD  
TD: 8,380 MD

Sec-TWN-RNG:  
FOOTAGES:

Sec. 23-14S-27E  
1980' FNL & 660' FEL

API: 30-005-60540  
GL: 3503  
KB: 3520

## CASING DETAIL

#	HOLE SIZE	SIZE	WGHT	GRADE	Top	Bottom	Sx Cmt	Circ/TOC	TOC Method
A	17 1/2	13 3/8	48	K-55	0	264	300	Circ	
B	12 1/4	8 5/8	24	K-55	0	1,600	810	Circ	
C	7 7/8	4 1/2	10.5/11.6	K-55	0	8,376	510	TOC @ 6330	TS

## FORMATION TOPS

	Formation	Top		Formation	Top
	San Andres	1470	1520		
	Glorieta	3243	3293		
	Abo	5020	5070		
	Wolfcamp LS	6070	6120		
	Cisco	6941	6991		
	L. Canyon	7381	7431		
	Strawn	7563	7613		
	Atoka	7910	7960		
	Morrow Clas.	8000	8050		
	Chester	8132	8182		
	Mississippian LS	8172	8222		

## TUBING DETAIL

#	Joints	Description	Length	OD	ID	Grade	Wt (lb/ft):	Top (ftKB):	Btm (ftKB):
		2-7/8" Tubing and packer						8,007	

VI PKR @ 8007'

CIBP @ 8150' 30' cement on top

## Perforation Detail

	Formation	Top	Bottom	Treatment
A	Morrow	8,263	8,375	w/2000 gals 15% DS-30 acid and nitrogen w/ball sealers
B	Morrow	8,050	8,058	Sand frac'd perforations w/20000 gals MS frac fluid, 14000 gals MS frac fluid

#	SX	Class	Top	Bottom	Δ	Notes	Tag
1	25	H	7671	8000	329	Morrow Perfs + Morrow Top + Atoka Top	Y
2	25	H	7284	7613	329	Strawn Top	N
3	25	C	7063	7431	368	L. Canyon Top	N
4	25	C	6623	6991	368	Cisco Top	N
5	35	C	6206	6380	174	TOC Plug	Y
6	43	C	5951	6120	169	WC LS	Y
7	40	C	4913	5070	157	Abo Top	Y
8	37	C	3148	3293	145	Glorieta	Y
9	60	C	1415	1650	235	Casing Shoe + SA Top	Y
10	30	C	196	314	118	Casing Shoe	Y
11	13	C	0	51	51	Surface Plug	Y

DKC 4/19/21

**Phillips KH Federal Com 1  
30-005-60540  
EOG Resources Incorporated  
July 12, 2021  
Conditions of Approval**

- 1. Operator shall place CIBP at 8,000' (50'-100' above top most perf) and places 25 sx of Class H cement on top as proposed. WOC and TAG.**
- 2. Operator shall place a balanced Class H cement plug from 7,613'-7,284' as proposed.**
- 3. Operator shall place a balanced Class C cement plug from 7,431'-7,063' as proposed.**
- 4. Operator shall place a balanced Class C cement plug from 6,991'-6,623' as proposed.**
- 5. Operator shall perf and squeeze at 6,120'. Operator shall place a balanced Class C cement plug from 6,120'-5,951' as proposed to seal the top of the Wolfcamp. WOC and TAG.**
- 6. Operator shall perf and squeeze at 5,070'. Operator shall place a balanced Class C cement plug from 5,070'-4,913' as proposed to seal the top of the Abo. WOC and TAG.**
- 7. Operator shall perf and squeeze at 3,293'. Operator shall place a balanced Class C cement plug from 3,293'-3,148' as proposed to seal the top of the Glorieta. WOC and TAG.**
- 8. Operator shall perf and squeeze at 1,650'. Operator shall place a balanced Class C cement plug from 1,650'-1,550' to seal the 8-5/8" casing shoe. WOC and TAG.**
- 9. Operator shall perf and squeeze at 680'. Operator shall place a balanced Class C cement plug from 680'-580' to seal the Yates formation. WOC and TAG.**
- 10. Operator shall perf and squeeze at 314'. Operator shall place a balanced Class C cement plug from 314'-214' to seal the 13-3/8" casing shoe. WOC and TAG.**
- 11. Operator shall perf and squeeze at 100'. Operator shall place a balanced Class C cement plug from 100'- surface as proposed.**

**12. See Attached for general plugging stipulations.**

**JAM 07122021**

**BUREAU OF LAND MANAGEMENT**  
**Roswell Field Office**  
**2909 W. Second Street**  
**Roswell, New Mexico 88201**  
**575-627-0272**

**General Requirements for Plug Backs**

Failure to comply with the following Conditions of Approval may result in a Notice of Incidents of Noncompliance (INC) in accordance with 43 CFR 3163.1.

1. Plugging operations shall commence within **ninety (90)** days from this approval.

**If you are unable to plug back the well by the 90<sup>th</sup> day provide this office, prior to the 90<sup>th</sup> day, with the reason for not meeting the deadline and a date when we can expect the well to be plugged back. Failure to do so will result in enforcement action.**

2. **Notification:** Contact the appropriate BLM office at least 24 hours prior to the commencing of any plug back operations. Call 575-627-0205.

3. **Blowout Preventers:** A blowout preventer (BOP), as appropriate, shall be installed before commencing any plugging operation. The BOP must be installed and maintained as per API and manufacturer recommendations. The minimum BOP requirement is a 2M system for a well not deeper than 9,090 feet; a 3M system for a well not deeper than 13,636 feet; and a 5M system for a well not deeper than 22,727 feet.

4. **Mud Requirement:** Mud shall be placed between all plugs. Minimum consistency of plugging mud shall be obtained by mixing at the rate of 25 sacks (50 pounds each) of gel per 100 barrels of **brine** water. Minimum nine (9) pounds per gallon.

5. **Cement Requirement:** Sufficient cement shall be used to bring any required plug to the specified depth and length. Any given cement volumes on the proposed plugging procedure are merely estimates and are not final. Unless specific approval is received, no plug except the surface plug shall be less than 25 sacks of cement. Any plug that requires a tag will have a minimum WOC time of 4 hours.

In lieu of a cement plug across perforations in a cased hole (not for any other plugs), a bridge plug set within 50 feet to 100 feet above the perforations shall be capped with 25 sacks of cement.

**Before pumping cement on top of CIBP, tag will be required to verify depth. Based on depth, a tag of the cement may be deemed necessary.**

Unless otherwise specified in the approved procedure, the cement plug shall consist of either **Neat Class "C"**, for up to 7,500 feet of depth or **Neat Class "H"**, for deeper than 7,500 feet plugs.

6. **Subsequent Plug back Reporting:** Within 30 days after plug back work is completed, file one original and three copies of the Subsequent Report, Form 3160-5 to BLM. The report should give in detail the manner in which the plug back work was carried out, the extent (by depths) of cement plugs placed, and the size and location (by depths) of casing left in the well. **Show date work was completed.**

7. **Trash:** All trash, junk and other waste material shall be contained in trash cages or bins to prevent scattering and will be removed and deposited in an approved sanitary landfill. Burial on site is not permitted.



**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

**District III**

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

**District IV**

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**

CONDITIONS

Action 36049

**CONDITIONS**

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 36049
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

**CONDITIONS**

Created By	Condition	Condition Date
gcordero	None	7/14/2021