



**Well Name:** PHILLIPS KH FEDERAL COM

**Well Location:** T14S / R27E / SEC 23 / SENE /

**County or Parish/State:** CHAVES / NM

**Well Number:** 1

**Type of Well:** CONVENTIONAL GAS WELL

**Allottee or Tribe Name:**

**Lease Number:** NMNM16093

**Unit or CA Name:** PHILLIP KH FEDERAL COM

**Unit or CA Number:** NMNM72058

**US Well Number:** 300056054000S1

**Well Status:** Producing Gas Well

**Operator:** 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

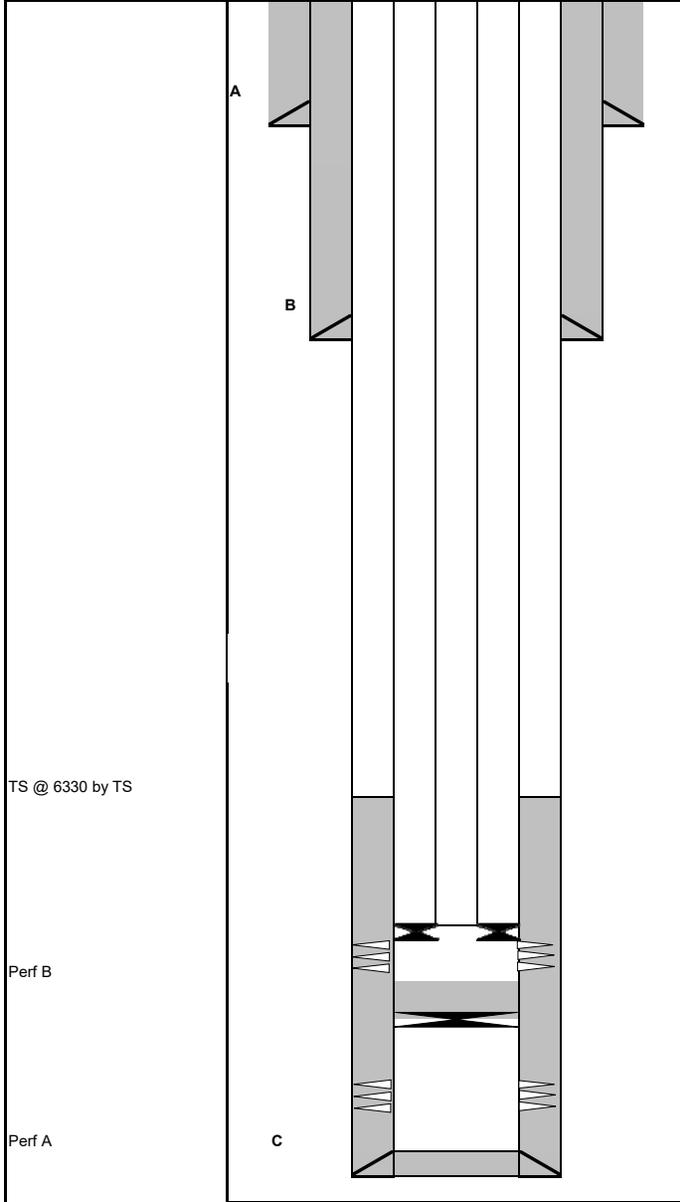
EOG Resources, Inc. plans to plug and abandon this well as follows:

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

Sec-TWN-RNG: Sec. 23-14S-27E API: 30-005-60540  
 FOOTAGES: 1980' FNL & 660' FEL GL: 3503  
 KB: 3520



TS @ 6330 by TS

Perf B

Perf A

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			
	Mississippian 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	
<b>VI PKR @ 8007'</b>									
<b>CIBP @ 8150' 30' cement on top</b>									

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 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						

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

<b>Phillips KH Federal Com 1 Proposed</b>		Sec-TWN-RNG: Sec. 23-14S-27E	API: 30-005-60540									
		FOOTAGES: 1980' FNL & 660' FEL	GL: 3503									
			KB: 3520									
Plug #11: Surface Plug		<b>CASING DETAIL</b>										
Plug #10: Casing Shoe		#	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
Plug #9: SA Top + Casing Shoe		<b>FORMATION TOPS</b>										
			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								
Plug #8: Glorieta Top	<b>TUBING DETAIL</b>											
	#	Joints	Description	Length	OD	ID	Grade	Wt (lb/ft):	Top (ftKB):	Btm (ftKB):		
			2-7/8" Tubing and packer						8,007			
Plug #7: Abo Top	<b>VI PKR @ 8007'</b>											
	<b>CIBP @ 8150' 30' cement on top</b>											
Plug #6: WC LS Top	<b>Perforation Detail</b>											
	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					
Plug #5: TOC Plug TS @ 6330 by TS	#	SX	Class	Top	Bottom	Δ	Notes			Tag		
	1	25	H	7671	8000	329	Morrow Perfs + MorrowTop + 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		
Plug #4: Cisco Top	<b>Perf B</b>											
	<b>Perf A</b>											
Plug #3: L. Canyon Top	PBTD: 8,120 MD		DKC 4/19/21									
Plug #2: Strawn Top	TD: 8,380 MD											
Plug #1: CIBP + Morrow Perfs+Morrow Top+ Atoka Top												

**Phillips KH Federal Com 1  
30-005-60540  
EOG Resources Incorporated  
July 13, 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 314'. Operator shall place a balanced Class C cement plug from 314'-214' to seal the 13-3/8" casing shoe. WOC and TAG.
10. Operator shall perf and squeeze at 100'. Operator shall place a balanced Class C cement plug from 100' - surface as proposed.
11. See Attached for general plugging stipulations.

JAM 07132021

**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 36615

**CONDITIONS**

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 36615
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

**CONDITIONS**

Created By	Condition	Condition Date
gcordero	None	7/20/2021