

Well Name: PHILLIPS KH FEDERAL COM	Well Location: T14S / R27E / SEC 23 / NWSE /	County or Parish/State: CHAVES / NM
Well Number: 2	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name:
Lease Number: NMNM17214	Unit or CA Name: PHILLIP KH FEDERAL COM	Unit or CA Number: NMNM72058
US Well Number: 300056345200S1	Well Status: Producing Gas Well	Operator: EOG RESOURCES INCORPORATED

Accepted for record – NMOCD gc 7/20/2021

Notice of Intent

Type of Submission: Notice of Intent

Type of Action: Plug and Abandonment

Date Sundry Submitted: 07/08/2021

Time Sundry Submitted: 07:50

Date proposed operation will begin: 07/22/2021

Procedure Description: Please see attached. Thank you.

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

Phillips_KH_Federal_Com_2_7_8_21_20210708074953.pdf

Conditions of Approval

Specialist Review

Conditions_of_Approval_20210719144746.pdf

General_Conditions_of_Approval_20210719144746.pdf

Well Name: PHILLIPS KH FEDERAL COM

Well Location: T14S / R27E / SEC 23 / NWSE /

County or Parish/State: CHAVES / NM

Well Number: 2

Type of Well: CONVENTIONAL GAS WELL

Allottee or Tribe Name:

Lease Number: NMNM17214

Unit or CA Name: PHILLIP KH FEDERAL COM

Unit or CA Number: NMNM72058

US Well Number: 300056345200S1

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 07:50 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: 07/19/2021

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 7994 ft with 25 sx Class H cement on top to 7774. WOC and tag. This will cover Morrow top and perfs.
3. Set a CIBP at 7606 ft with 40 sx Class H cement on top to 7253 ft. WOC and tag. This will cover L Canyon, Strawn, Atoka, Morrow tops and Atoka perfs.
4. Spot a 25 sx Class C cement plug from 6967 ft – 6720 ft. This will cover Cisco top.
5. Spot a 25 sx Class C cement plug from 6170 ft – 5923 ft. This will cover Wolfcamp top.
6. Spot a 25 sx Class C cement plug from 5074 ft – 4827 ft. This will cover Abo top.
7. Spot a 25 sx Class C cement plug from 4277 ft – 4030 ft. This will cover Tubb top.
8. Perforate at 3015 ft. Spot a 26 sx Class C cement plug from 3015 ft – 2759 ft. This will cover casing shoe and Glorieta top.
9. Perforate at 1370 ft. Spot an 34 sx Class C cement plug from 1370 ft – 1220 ft. WOC and tag. This will cover TOC.
10. Perforate at 994 ft. Spot a 32 sx Class C cement plug from 994 ft – 890 ft. WOC and tag. This will cover Grayburg top.
11. Perforate at 876 ft. Spot a 40 sx Class C cement plug from 876 ft – 745 ft. WOC and tag. This will cover Queen and Seven Rivers top.
12. Perforate at 710 ft. Spot a 32 sx Class C cement plug from 710 ft – 606 ft. WOC and tag. This will cover Yates top.
13. Perforate at 470 ft. Spot a 32 sx Class C cement plug from 470 ft – 366 ft. WOC and tag. This will cover casing shoe.
14. Perforate at 52 ft. Spot a 16 sx Class C cement plug from 52 ft up to surface. WOC and tag. Back fill as needed.
15. Cut off wellhead and install dry hole marker. Clean location as per regulated.

Wellbore schematics attached

Phillips KH Federal Com 2 Current

Sec-TWN-RNG: Sec. 23-14S-27E API: 30-005-63452
 FOOTAGES: 1980'FSL & 1650'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	J-55	0	420	400	Circ	
B	12 1/4	9 5/8	36	J-55	0	2,965	1025	Circ	
C	8 3/4	5 1/2	15.5, 17	J-55,P-110	0	8,350	1700	1320	CBL

FORMATION TOPS

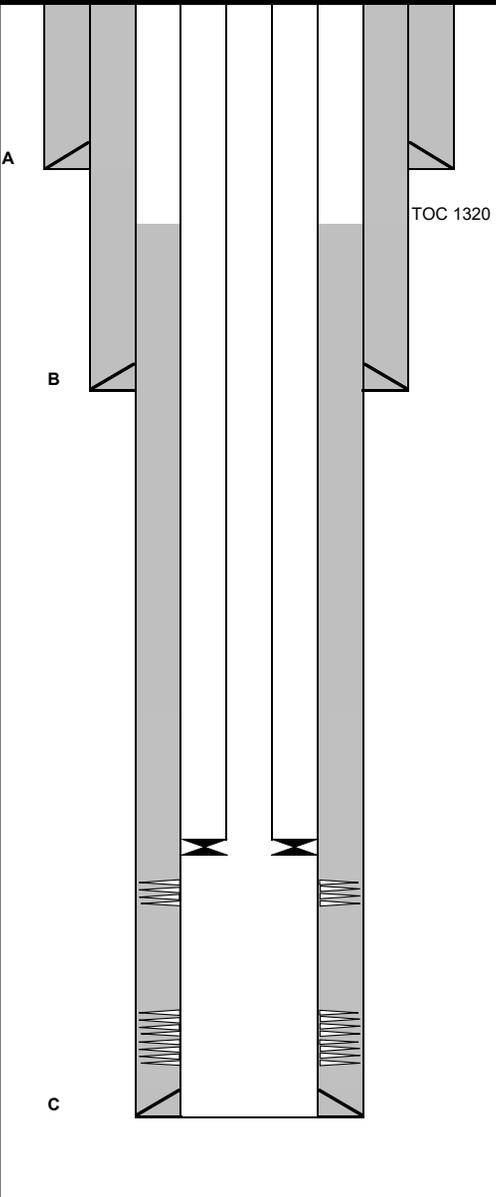
Formation	Top	Formation	Top
Yates	660	Atoka	7654
Seven Rivers	798	Morrow	7886
Queen	826	Chester	8200
Grayburg	944		
Glorieta	2833		
Tubb	4227		
Abo	5024		
Wolfcamp	6120		
Cisco	6917		
L Canyon	7382		
Strawn	7528		

TUBING DETAIL

#	Joints	Description	Length	OD	ID	Grade	Wt (lb/ft)	Top (ftKB)	Btm (ftKB)
		2 7/8 tubing and packer						7,508	

Perforation Detail

	Formation	Top	Bottom	Treatment
A	Morrow	8,176	8,200	Acidize w/2400g 7-1/2% Morrow acid and 144 BS Frac w/40# 70Q foam frac w/687 bbls and 75,000# 18/40 Versaprop total N2 793,482 and total CO2 160 tons
B	Morrow	8,044	8,068	Acidize w/2400g 7-1/2% Morrow acid and BS and N2
C	Atoka	7,656	7,690	Acidize w/1400g 7-1/2% Morrow acid, 1000 SCF N2/bbl and BS Frac w/70Q linear 40# foam 52,900# 18/40 Versaprop



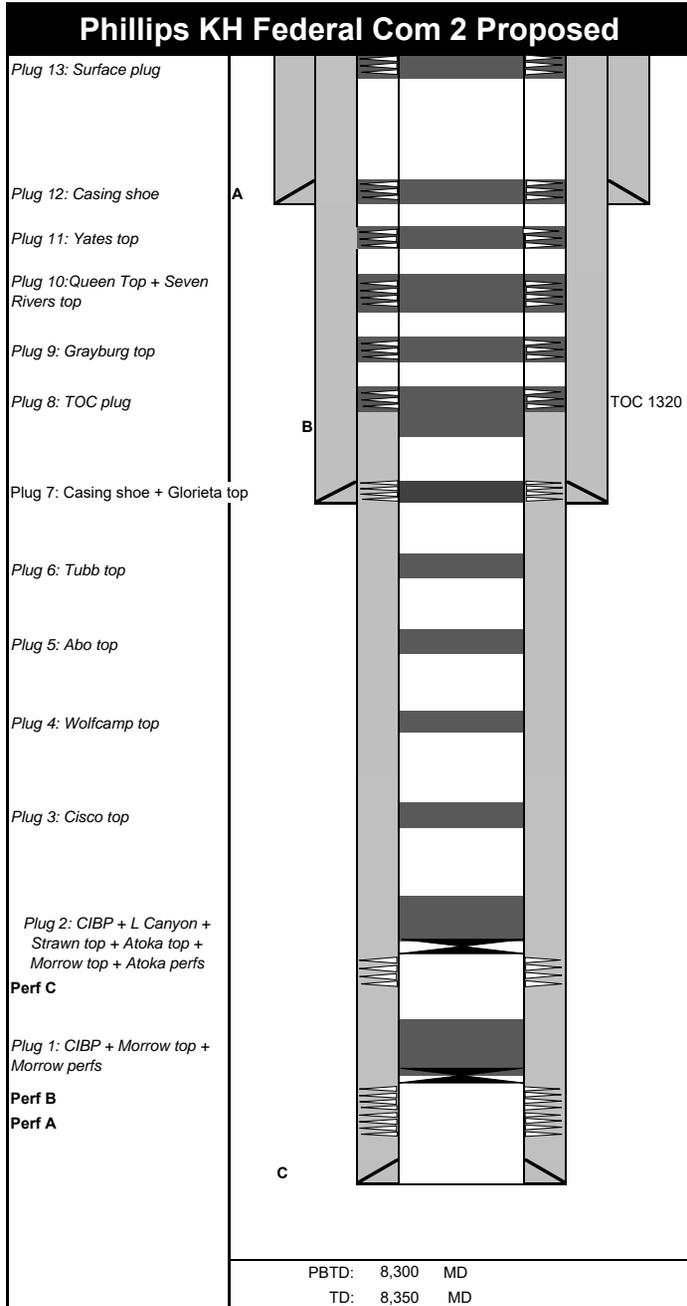
Perf C

Perf B

Perf A

PBTD: 8,300 MD
 TD: 8,350 MD

Prepared by: TH



Sec-TWN-RNG:	Sec. 23-14S-27E	API:	30-005-63452						
FOOTAGES:	1980'FSL & 1650'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	J-55	0	420	400	Circ	
B	12 1/4	9 5/8	36	J-55	0	2,965	1025	Circ	
C	8 3/4	5 1/2	15.5, 17	J-55,P-110	0	8,350	1700	1320	CBL
FORMATION TOPS									
	Formation	Top		Formation	Top				
	Yates	660		Cisco	6917				
	Seven Rivers	798		L Canyon	7382				
	Queen	826		Strawn	7528				
	Grayburg	944		Atoka	7654				
	Glorieta	2833		Morrow	7886				
	Tubb	4227		Chester	8200				
	Abo	5024							
	Wolfcamp	6120							
Perforation Detail									
	Formation	Top	Bottom	Treatment					
A	Morrow	8,176	8,200	Acidize w/2400g 7-1/2% Morrow acid and 144 BS Frac w/40# 70Q foam frac w/687 bbls and 75,000# 18/40 Versaprop total N2 793,482 and total CO2 160 tons					
B	Morrow	8,044	8,068	Acidize w/2400g 7-1/2% Morrow acid and BS and N2					
C	Atoka	7,656	7,690	Acidize w/1400g 7-1/2% Morrow acid, 1000 SCF N2/bbl and BS Frac w/70Q linear 40# foam 52,900# 18/40 Versaprop					
Plugs									
#	SX	Class	Top	Bottom	Δ	Notes	Tag		
1	25	H	7,774	7,994	220	CIBP + Morrow top + Morrow perms	Y		
2	40	H	7,253	7,606	353	CIBP + L Canyon + Strawn + Atoka top + Morrow top + Atoka perms	Y		
3	25	C	6,720	6,967	247	Cisco top			
4	25	C	5,923	6,170	247	Wolfcamp top	N		
5	25	C	4,827	5,074	247	Abo top	N		
6	25	C	4,030	4,277	247	Tubb Top	N		
7	26	C	2,759	3,015	256	Casing Shoe + Glorieta top	N		
8	34	C	1,220	1,370	150	TOC plug	Y		
9	32	C	890	994	104	Grayburg top	Y		
10	40	C	745	876	131	Queen top + Seven Rivers top	Y		
11	32	C	606	710	104	Yates top	Y		
12	32	C	366	470	104	Casing Shoe	Y		
13	16	C	0	52	52	Surface Plug	Y		
PBTD: 8,300 MD				Prepared by: Naomi F 3/22/21					
TD: 8,350 MD									

Phillips KH Federal Com 2
30-005-63452
EOG Resources Incorporated
July 19, 2021
Conditions of Approval

1. Operator shall place CIBP at 7,994' and places 25 sx of Class H cement on top as proposed. WOC and TAG.
2. Operator shall place CIBP at 7,606' (50'-100' above top most perf) and places 40 sx of Class H cement on top as proposed. WOC and TAG.
3. Operator shall place a balanced Class C cement plug from 6,967'-6,720' as proposed.
4. Operator shall place a balanced Class C cement plug from 6,170'-5,923' as proposed to seal the top of the Wolfcamp.
5. Operator shall place a balanced Class C cement plug from 5,074'-4,827' as proposed to seal the top of the Abo.
6. Operator shall place a balanced Class C cement plug from 4,277'-4,030' as proposed.
7. Operator shall perf and squeeze at 3,015'. Operator shall place a balanced Class C cement plug from 3,015'-2,759' as proposed to seal the 9-5/8" shoe and the top of the Glorieta. WOC and TAG.
8. Operator shall perf and squeeze at 1,370'. Operator shall place a balanced Class C cement plug from 1,370'-1,220' as proposed. WOC and TAG.
9. Operator shall perf and squeeze at 994'. Operator shall place a balanced Class C cement plug from 994'-890' as proposed. WOC and TAG.
10. Operator shall perf and squeeze at 876'. Operator shall place a balanced Class C cement plug from 876'-745' as proposed. WOC and TAG.
11. Operator shall perf and squeeze at 710'. Operator shall place a balanced Class C cement plug from 710'-606' as proposed. WOC and TAG.

12. Operator shall perf and squeeze at 470'. Operator shall place a balanced Class C cement plug from 470'-220' to seal the 13-3/8" casing shoe and the top of the Yates Formation. WOC and TAG.
13. Operator shall perf and squeeze at 100'. Operator shall place a balanced Class C cement plug from 100' - surface as proposed.
14. See Attached for general plugging stipulations.

JAM 07192021

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 90th day provide this office, prior to the 90th 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 36997

CONDITIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 36997
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

CONDITIONS

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