Form 3160-5 (June 2015)

#### **UNITED STATES** DEPARTMENT OF THE INTERIOR

FORM APPROVED OMB NO. 1004-0137

UL 2 5 2018

Expires: J	lanuary	31, 2
Lease Serial No.		
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В	UKEAU OF LAND MANA	GEMEN	- R - 2 -		5. Lease Serial No.	
SUNDRY Do not use th	NOTICES AND REPO	RTS ON TO re-en	Wad F		MMNM110840	
abandoned we	II. Use form 3160-3 (AP	D) for such pro	69 (IST) I		6. If Indian, Allottee	or Tribe Name
SUBMIT IN	TRIPLICATE - Other ins	tructions on pag	HOBBE	062018	7. If Unit or CA/Agr	eement, Name and/or No.
1. Type of Well	08.00	Well Name and No	0. COM 700H			
☑ Oil Well ☐ Gas Well ☐ Ott			- Mg	- All	PHILLY 31 FED	COM 70911 >
Name of Operator EOG RESOURCES INCORP		STAN WAGNEF er@eogresources 3b. Phone No. (in Ph: 432-686-3	com	ECE1.	9. API Well No. 30-025-44766	-00-X1
3a. Address		3b. Phone No. (in	clude area cod		10. Field and Pool o	
MIDLAND, TX 79702		PII: 432-060-3	009		KED HILLS-W	OLFCAMP, WEST (GAS
4. Location of Well (Footage, Sec., 7	T., R., M., or Survey Description	)			11. County or Parish	, State
Sec 31 T26S R34E 290FSL 5 32.001068 N Lat, 103.502106			•		LEA COUNTY	, NM
12. CHECK THE A	PPROPRIATE BOX(ES)	TO INDICATE	NATURE OF	F NOTICE, R	EPORT, OR OT	HER DATA
TYPE OF SUBMISSION		,	TYPE OF	ACTION		
	☐ Acidize	□ Deepen		☐ Productio	n (Start/Resume)	☐ Water Shut-Off
Notice of Intent	☐ Alter Casing	☐ Hydrau	lic Fracturing	☐ Reclamat	ion	☐ Well Integrity
☐ Subsequent Report	☐ Casing Repair	□ New Co	onstruction	Recomple	ete	Other
☐ Final Abandonment Notice	☐ Change Plans	Plug an	d Abandon	□ Temporar	rily Abandon	Change to Original A PD
	Convert to Injection	Plug Ba	ıck	☐ Water Dis	sposal	10
13. Describe Proposed or Completed Op If the proposal is to deepen direction Attach the Bond under which the wo following completion of the involved testing has been completed. Final Al determined that the site is ready for f EOG Resources requests an 4-string casing design as atta	ally or recomplete horizontally, rk will be performed or provide d operations. If the operation re bandonment Notices must be fil- tinal inspection.	give subsurface loca the Bond No. on file sults in a multiple co- led only after all requ	ations and measur e with BLM/BIA. Impletion or recon Particular including the second of the second o	ed and true verting Required substitution in a new ng reclamation,	ical depths of all pert equent reports must be winterval, a Form 3 have been completed	inent markers and zones. be filed within 30 days 160-4 must be filed once
		· !				
		·	· .			
	# Electronic Submission For EOG RESOU nmitted to AFMSS for proc	JRCES INCORPO	RATED, sent to LLA PEREZ on	o the Hobbs 05/21/2018 (1	8PP1054SE)	
Name (Printed/Typed) STAN WA	AGNER	Ti	tle REGULA	ATORY ANA	LYSI	
Signature (Electronic	Submission)	D	ate 05/14/20	)18		

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.

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 leader arise bad Field Office

/s/ Jonathon Shepard

which would entitle the applicant to conduct operations thereon.

\_Approved By

(Instructions on page 2) \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\*

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Petroleum Engineer

## **Revised Permit Information 4/24/18:**

Well Name: Philly 31 Fed Com No. 709H

Location:

SL: 290' FSL & 533' FEL, Section 31, T-26-S, R-34-E, Lea Co., N.M. BHL: 230' FNL & 330' FEL, Section 30, T-26-S, R-34-E, Lea Co., N.M.

Casing Program:

Hole Size	Interval	Csg OD	Weight	Grade	Conn	DF <sub>min</sub> Collapse	DF <sub>min</sub> Burst	DF <sub>min</sub> Tension
17.5"	0 - 840'	13.375"	54.5#	J55	STC	1.125	1.25	1.60
12.25"	0-4,000	9.625"	40#	J55	LTC	1.125	1.25	1.60
12.25"	4,000' - 5,300'	9.625"	40#	HCK55	LTC	1.125	1.25	1.60
8.75"	0 – 11,600'	7.625"	29.7#	HCP110	FXL	1.125	1.25	1.60
6.75"	0 – 11,100'	5.5"	20#	P110EC	DWC CIS MS	1.125	1.25	1.60
6.75"	11.100'-20.026'	5.5"	20#	P110EC	VAM SFC	1.125	1.25	1.60

Variance is requested for annular clearance of the 5-1/2" x 7-5/8" to the top of cement.

## Cement Program:

	No.	Wt.	Yld	
Depth	Sacks	lb/gal	Ft <sup>3</sup> /ft	Slurry Description
840	697	13.5	1.74	Lead: Class 'C' + 4.00% Bentonite + 2.00% CaCl2
				(TOC @ Surface)
	333	14.8	1.35	Tail: Class 'C' + 0.6% FL-62 + 0.25 lb/sk Cello-Flake + 0.2%
				Sodium Metasilicate + 2.0% KCl (1.06 lb/sk)
5,300'	692	12.7	2.22	Lead: Class C + 0.15% C-20 + 11.63 pps Salt + 0.1% C-51 +
				0.75% C-41P (TOC @ Surface)
]	303	14.8	1.32	Tail: Class C + 0.13% C-20
11,600	375	10.8	3.67	Lead: Class C + 0.40% D013 + 0.20% D046 + 0.10% D065 +
				0.20% D167 (TOC @ 4,800')
]	400	14.8	2.38	Tail: Class H + 94.0 pps D909 + 0.25% D065 + 0.30% D167
				+ 0.02% D208 + 0.15% D800
20,026	1000	14.8	1.31	Class H + 0.1% C-20 + 0.05% CSA-1000 + 0.20% C-49 +
				0.40% C-17 (TOC @ 11,100')

#### Mud Program:

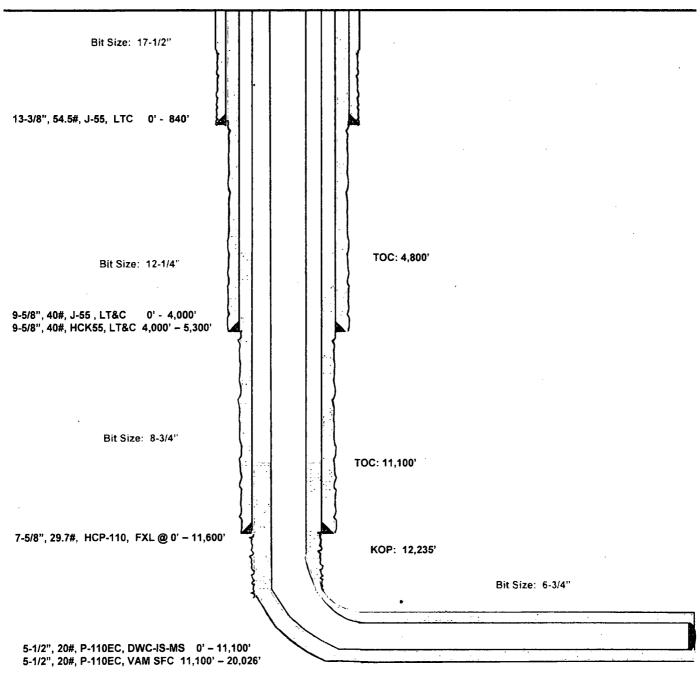
Depth	Type	Weight (ppg)	Viscosity	Water Loss
0 - 840	Fresh - Gel	8.6-8.8	28-34	N/c
840' - 5,300'	Brine	10.0-10.2	28-34	N/c
5,300'-11,600'	Oil Base	8.7-9.4	58-68	N/c - 6
11,600'-20,026'	Oil Base	10.0-11.5	58-68	3 - 6
Lateral				

# Philly 31 Fed Com #709H Lea County, New Mexico

290' FSL 533' FEL Section 31 T-26-S, R-34-E

Proposed Wellbore Revised 4/24/18 API: 30-025-\*\*\*\*\*

KB: 3,359' GL: 3,334'



Lateral: 20,026' MD, 12,721' TVD Upper Most Perf: 330' FSL & 330' FEL Sec. 31 Lower Most Perf:

330' FNL & 330' FEL Sec. 30 BH Location: 230' FNL & 330' FEL

Section 30 T-26-S, R-34-E

Operator	EOG
Weli Name & No.	Philly 31 Fed Com 709H
County	Lea
Location (S/T/R)	31/26/34
Lease Number	NMNM110840

_	Name	Jonathon Shepard
1	Date	7/24/2018

Type of Casing	Size of Hole	Size of Casing	Weight per Foot (lbs/ft)	- Grade	Yield	Thread	Top (ft)	Bottom (ft)	Setting Depth	Length (ft)	Collapse (psi)	Burst Tension (psi) (psi)
Surface	17.500	13.375	54.5	j	55	ST&C (46)	0	840	840	840	1130	2730 854000
Intermediate 1	12.250	9.625	40.0	J	55	LT&C (21)	0	4000	4000	4000	2570:	3950 630000
Intermediate 2	12.250	9.625	40.0	нск	<b>5</b> 5	LT&C (21)	4000	5300	5300	1300	4230	3950 630000
Intermediate 3	8.750	7.625	29.7	НСР	110	LT&C (21)	0	11600	11600	11600	:7150	9470 4:940000
Intermediate 4	6.750	5.500	20.0	Р	110	BTC (4)	0	11100	11100	11100	74 <b>11080</b> 00	12360, 333 642000
Production	6.750	5.500	20.0	Р	110	BTC (4)	11100	20026	11100	8926	11080	≨ : 12360,55 v. ₩ 1642000 ·

Drilling Mud	Max Mud Weight	a de la Maria				gen i de grænder de La de grænde de de	Cement	. 2013 11 14 14 14 14 14 14 14 14 14 14 14 14					
11:5	ingy inited avergue		Surface		the state of the s	itermediate (1 &	2)	tin	termediate (1,2,	3 & 4)		Production	
	(ppg)	Top of Cement	0	表成的 医抗性性	Top of Cement	0		Top of Cement	4800		Top of Cement	0	
Surface	8.8		Sacks:	Yield (ft³/sx)	医海峡管 计	Sacks	. Yield (ft <sup>3</sup> /sx) "		Sacks	Yield (ft³/sx)		Sacks	Yield (ft³/sx)
Intermediate 1	10.2	Lead	697	1.74	Lead	692	2.22	Lead	375	3.67	Lead	1000	1.31
Intermediate 2	10.2	Run 2	333	1.35	Run 2	303	1.32	Run 2	400	2.38	Run 2		
Intermediate 3	9.4	Run:3:			Run 3			Run 3			Run 3		
Intermediate 4	9.4	Tail			Táil			~ S∕Tail (\$5,			Tail		
Production :	11.5	Average Yield	1.61		Average Yield	1.95	4	'Average Yield'	3:00		Average Yield	1.31	
		Min: Sačks	460		Min Sacks	1085		Min. Sacks	579		Min. Sacks	724	
			r Belling British						MAN LAG				

Jan Jana Carlo	ريج عيرين المعمد المام	Safety Factors	Springer in	No ging separa (Silvarian)
Collapse	1.125		Tension	1.8
Burst	1.0	1. 1. Lat. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	Buoyant Tension	1.6
The second second second			Total Control	the state of
	Collapse	Bürst	Tension	Buoyant Tension
Surface	2,940	77. <u>j. (292</u>	167	28.S
Intermediate 1	1,937	1.862	3.0	4.5
. Intermediate 2	2 257	1.405	3.0	33
Intermediate:3	1.699	1 (570)	2.7	2.2
Intermediate 4	3.058	2,250	29	3.4
Production	1 669 .	1 362	26	6,2

eget e ja vija e ja s	BOP Req	uirements	a na ang gaga ti naka a kanasa di sa di
	Intermediate		Production
Max. Surf. Pressure	3118 psi	Max. Surf. Pressure	4196 psi:
BOP Required		BOP Required	5M System