Form 3160-5 (June 2015)

UNITED STATES DEPARTMENT OF THE INTERIOR

Do not use this form for proposals to drill or to re-enter and

FORM APPROVED OMB NO. 1004-0137 Expires: January 31, 2018

BUREAU OF LAND MANAGEMEN CATISDAD FIELD Expires: 3
SUNDRY NOTICES AND REPORTS ON WELLS

BUREAU OF LAND MANAGEMEN CATISDAD FIELD STREET

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abandoned we	II. Use form 3160-3 (API	D) for such p	proposals 65	Ommi	i indian, Anottee	of Thee Name
SUBMIT IN	TRIPLICATE - Other inst	tructions on	page 2 AUG 06	2018	7. If Unit or CA/Agr	reement, Name and/or No.
Type of Well ☐ Gas Well ☐ Oth	ner		AUG UV	IVED	8. Well Name and N PHILLY 31 FED	
Name of Operator EOG RESOURCES INCORP	Contact:	STAN WAGI	NER REGISTRES	20	9. API Well No. 30-025-44769	-00-X1
3a. Address		3b. Phone No Ph: 432-68	o. (include area code) 36-3689		10. Field and Pool o RED HILLS-W	r Exploratory Area OLFCAMP, WEST (GAS
MIDLAND, TX 79702 4. Location of Well (Footage, Sec., T	' P 16 C D)			11. County or Parish	- C4-4-
• 1)			-	
Sec 31 T26S R34E 290FSL 2 32.001064 N Lat, 103.510880					LEA COUNTY	, NIVI
12. CHECK THE AI	PPROPRIATE BOX(ES)	TO INDICA	TE NATURE O	F NOTICE,	REPORT, OR OT	THER DATA
TYPE OF SUBMISSION			TYPE OF	ACTION		
Notice of Intent	☐ Acidize	☐ Dee	pen	☐ Product	ion (Start/Resume)	☐ Water Shut-Off
_	☐ Alter Casing	□ Нус	Iraulic Fracturing	☐ Reclam	ation	■ Well Integrity
☐ Subsequent Report	□ Casing Repair	☐ Nev	v Construction	☐ Recomp	olete	Other Change to Original A
☐ Final Abandonment Notice	☐ Change Plans		g and Abandon		arily Abandon	PD
	Convert to Injection	☐ Plu	g Back	☐ Water I	Disposal	
EOG Resources requests an a 4-string casing design as attacked as a stracked as a stra	ched.	ed APD for t	his well to reflect	changing to	a	·
14. I hereby certify that the foregoing is Con	Electronic Submission #	JRCES INCOR	PORATED, sent t	to the Hobbs	,	
Name (Printed/Typed) STAN WA	GNER		Title REGUL	ATORY AN	ALYST	
Signature (Electronic S	Submission)		Date 05/14/2:	018	,	·
	THIS SPACE FO	OR FEDERA	AL OR STATE	OFFICE U	SE	
/s/ Jonath	on Shepard		Pedroleui	n Enn	ingar	JUL 2 5 2018
Approved By Conditions of approval, if any, are attache certify that the applicant holds legal or equivalent would entitle the applicant to conduct the second conduction of the second conduction	uitable title to those rights in the	not warrant or	arisbad		¥	
Title 18 U.S.C. Section 1001 and Title 43 States any false, fictitious or fraudulent				willfully to ma	ake to any department	or agency of the United

Revised Permit Information 4/24/18:

Well Name: Philly 31 Fed Com No. 704H

Location:

SL: 290' FSL & 2065' FWL, Section 31, T-26-S, R-34-E, Lea Co., N.M. BHL: 230' FNL & 1590' FWL, Section 30, T-26-S, R-34-E, Lea Co., N.M.

Casing Program:

Hole Size	Interval	Csg OD	Weight	Grade	Conn	DF _{min} Collapse	DF _{min} Burst	DF _{min} 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*-20,013*	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 ³ /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
20,013	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:

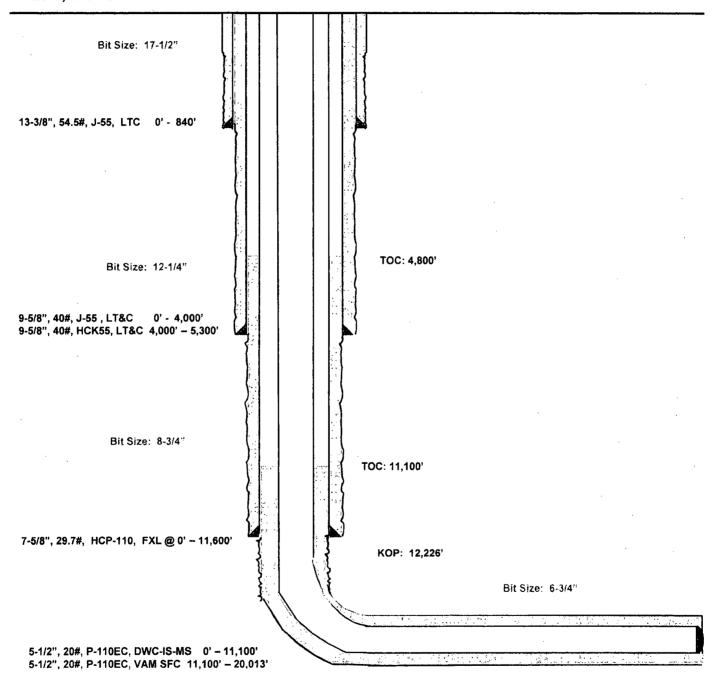
Depth	Type	Weight (ppg)	Viscosity	Water Loss
0 - 840	Fresh - Gel	8.6-8.8	28-34	N/c
840' - 5,300'	Brine	10.0-10.2	28-34	N/c
5,300'-11,600'	Oil Base	8.7-9.4	58-68	N/c - 6
11,600'- 20,013'	Oil Base	10.0-11.5	58-68	3 - 6
Lateral				

Philly 31 Fed Com #704H Lea County, New Mexico

290' FSL 2065' FWL Section 31 T-26-S, R-34-E

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

KB: 3,389' GL: 3,364'



Lateral: 20,013' MD, 12,701' TVD Upper Most Perf: 330' FSL & 1590' FWL Sec. 31 Lower Most Perf: 330' FNL & 1590' FWL Sec. 30 BH Location: 230' FNL & 1590' FWL

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

Operator	EOG
Well Name & No.	Philly 31 Fed Com 704H
County	Lea
Location (S/T/R)	31/26/34
Lease Number	NMNM110840

: -: :	Name		Jonathon Shepard
	Date	-:1	7/24/2018

	COCCUON (S) 1/14/	34/20	7,54										
[Lease Number	NMNM110840											
									•				
Type of Casing	Size of Hole	Size of Casing	Weight per Foot	Grade	Yield	Thread	Top	Bottom (ft)	Setting Depth	Length (ft)	Collapse (psi)	Burst (psi)	Tension (psi)
Surface	17.500	13.375	54.5	J	55	ST&C (46)	0	840	840	840	1130	2730	
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	HCK	55	LT&C (21)	4000	5300	5300	1300	4230	3950	630000
Intermédiate 3	8.750	7.625	29.7	НСР	110	LT&C (21)	0	11600	11600	11600	7150	9470	940000
Intermediate 4	6.750	5.500	20.0	P	110	BTC (4)	0	11100	11100	11100	11080	12360	-642000
Production	6.750	5.500	20.0	P.	110	BTC (4)	11100	20013	11100	8913	11080	12360	642000

Drilling Mud	Max Mud Weight	性就性是是中华。	general action	GUTTA ANDAR		an Analysis and a	Cement				낚시 : 10 보고함		
1977 See 11.53	IAIST IAIGO AAGRIIC	ا المعادل المواجع أن أو المعادل المواجع المواجع المواجع المواجع المواجع المواجع المواجع المواجع المواجع المواج	Surface : `	rectification and	14 6 3 3 1 1	ntermediate (1 &	2)	CARLOT COM	ntermediate (1,2	3 & 4)		Production	特. (2.12) [1]
	(ppg)	Top of Cement	0	The Company of	Top of Cement	0	AL LEGISLES OF THE	Top of Cement	4800	the contract of the second	Top of Cement	.0	6人工具件10
Surface	-8.8		Sacks	Yield (ft³/sx)		Sacks	Yield (ft³/sx)		Sacks	Yield (ft³/sx)	kang Milita	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	Rún 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			Stanfall 1973			Tail			Tail.		
:::Production:::	11.5	Average Yield	1.61		Average Yield,	1.95:		Average Yield	3.00		Average Yield	2 1.31	
		Min: Sacks	460		Min Sacks	1085		Min. Sacks	579	l i	Min. Sacks	3723 ·	
		الكراجة والمواجع والارات	(1985) (1965) (1964)		to record to the contract of			LED PARK	S. 544. 4 4 4 4		्राम ^{ाइ} न्स्य प्रदेश	원시의 공화되는	

Sections of the section of the secti								
Collapse	1.125		· Tension ·	1.8				
: Burst,	1.0		Buoyant-Tension	1.6				
1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	120	生 , 通道成功。	1	是有数型。例				
The figure of the control of the con	Collapse	Burst	Tension	Buoyant Tension				
Surface	2.940	77 jj@2	287	MLS.				
Intermediate 1	1.817	1862	3.9	Аÿ				
Intermediate 2	2.257	1,493	3.9	9.5				
Intermediate 3	1.892	1670	2.7	<u> </u>				
Intermediate 4	3,063	2.278	2.9	\$ <u>(</u> 2)				
Production	1.669	1.932	₽.6	6.6				

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BOP.Rec	pirements (Fig. 2) The Light of the Control of the
Intermediate	Production
Max Surf. Pressure 3118 psi	Max: Surf. Pressure 4196 psi
BOP Required 5M System	8OP Required 5M System