

Submit 1 Copy To Appropriate District Office  
 District I – (575) 393-6161  
 1625 N. French Dr., Hobbs, NM 88240  
 District II – (575) 748-1283  
 811 S. First St., Artesia, NM 88210  
 District III – (505) 334-6178  
 1000 Rio Brazos Rd., Aztec, NM 87410  
 District IV – (505) 476-3460  
 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
 Energy, Minerals and Natural Resources

Form C-103  
 Revised July 18, 2013

OIL CONSERVATION DIVISION  
 1220 South St. Francis Dr.  
 Santa Fe, NM 87505

WELL API NO. 30-015-20863
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name Armstrong CT Com
8. Well Number 1
9. OGRID Number 7377
10. Pool name or Wildcat Eagle Creek; Strawn

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b> (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)	
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other P&A <input type="checkbox"/>	
2. Name of Operator EOG Resources, Inc.	
3. Address of Operator 104 South Fourth Street, Artesia, NM 88210	
4. Well Location Unit Letter <u>L</u> : <u>1980</u> feet from the <u>South</u> line and <u>660</u> feet from the <u>West</u> line Section <u>5</u> Township <u>18S</u> Range <u>26E</u> NMPM <u>Eddy</u> County	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3397'GR	

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

<b>NOTICE OF INTENTION TO:</b> PERFORM REMEDIAL WORK <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> CHANGE PLANS <input type="checkbox"/> PULL OR ALTER CASING <input type="checkbox"/> MULTIPLE COMPL <input type="checkbox"/> DOWNHOLE COMMINGLE <input type="checkbox"/> CLOSED-LOOP SYSTEM <input type="checkbox"/> OTHER: <input type="checkbox"/>	<b>SUBSEQUENT REPORT OF:</b> REMEDIAL WORK <input type="checkbox"/> ALTERING CASING <input type="checkbox"/> COMMENCE DRILLING OPNS. <input type="checkbox"/> P AND A <input checked="" type="checkbox"/> CASING/CEMENT JOB <input type="checkbox"/> OTHER: <input type="checkbox"/>
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13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

5/12/22 – MIRU and NU BOP. RIH with GR/JB and tagged at 4118'. POOH. RIH with bit and scraper and tagged what seems to be packer elements hung up in casing at 4118'. Drive debris down to 8314', hard tag.  
 5/13/22 – RIH with 4 sx Class "H" cement dump bailed on top of packer at 8314'-8261' calc TOC. Set a CIBP at 8000'. Snagged bad casing, lost WL setting tool and collar locator at bad spot in casing at 4410'. Released wireline. Discussed plugging operations moving forward with NMOCD approval. TIH with perf sub and worked pipe through bad casing spot at 4410'. Continue RIH to tag CIBP at 8000'.  
 5/16/22 – Spotted 30 sx Class "H" cement on top of CIBP to 7575', tagged. Perforated at 7044'. Spotted a 60 sx Class "C" cement plug from 7044'-6198', tagged.  
 5/17/22 – Set packer at 2079'. Tested to 500 psi above packer and good. Set packer at 4284'. Tested to 500 psi above packer and good. Leak at parted casing at 4410'. Released packer. Perforated at 4332'. Squeezed with 60 sx Class "C" cement from 4332'-4122', tagged. Perforated at 2333'. Squeezed with 35 sx Class "C" cement from 2333'-2133', tagged.  
 5/18/22 – Perforated at 1368'. Squeezed with 135 sx Class "C" cement from 1368'-805', tagged. Perforated at 554'. Established injection/circulation. Squeezed with 145 sx Class "C" cement from 554' and circulated up to surface.

**CONTINUED ON NEXT PAGE**

Spud Date: <input type="text"/>	Rig Release Date: <input type="text"/>	Approved for plugging of well bore only. Liability under bond is retained pending Location cleanup & receipt of C-103Q (Subsequent Report of Well Plugging) which may be found at OCD Web Page, OCD Permitting @ www.emnrd.state.nm.us
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I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Tina Huerta TITLE Regulatory Specialist DATE August 3, 2022

Type or print name Tina Huerta E-mail address: tina.huerta@eogresources.com PHONE: 575-748-4168  
**For State Use Only**

APPROVED BY: [Signature] TITLE Staff Manager DATE 8/4/2022  
 Conditions of Approval (if any):

Armstrong CT Com 1  
L-5-18S-26E  
Eddy County, New Mexico  
Page 2

**Form C-103 Continued:**

7/7/22 – Note: The gas on the 8-5/8” casing after initial plugging and the planned remedial operations to correct the issue were discussed with NMOCDC prior to beginning remedial operations. Moved in plugging ops equipment. NU BOP. Begin drilling plugs in the morning.  
7/8/22 – Began drilling at surface and drilled down to 421’ and circulated clean.  
7/11/22 – Resumed drilling surface plug from 421’, fell out of cement at 554’. Resumed drilling intermediate shoe and tag cement at 805’. Drilled out to 1127’ and circulated clean.  
7/12/22 – Resumed drilling cement 1127’ to fall out of cement at 1368’. Continue RIH with tubing to tag next TOC at 2133’. Circulated hole clean.  
7/13/22 – RIH and 75 psi on 8-5/8” casing, 0 psi on 4-1/2” casing. RIH with wireline and tagged at 2112’. Apply 1200 psi to casing. Perforated at 2100’. Could not establish circulation. Perforated at 1450’. Pressured up to 2200 psi for 10 min, unable to establish injection rate or circulation. Perforated at 850’. Could not establish circulation. Perforated at 600’. RIH with packer and set at 698’. Established injection rate/circulation around 4-1/2” casing.  
7/14/22 – 100 psi on well, bubbles on 8-5/8” casing. Opened well. RIH with tubing and tagged cement at 2122’.  
7/15/22 – Spotted a 65 sx Class “C” cement plug from 2122’-1245’, tagged. Pressured up to 1000 psi, held good. Release packer. Verified Established injection rate at 700 psi. Squeezed with 50 sx Class “C” cement from 850’-720’, tagged.  
7/18/22 – Pressured up to 800 psi, held good. Squeezed with 50 sx Class “C” cement from 600’-520’, tagged. Monitor 8-5/8”, bubbling slightly. Perforated at 520’. Attempted injection rate at 520’. Unable to establish injection rate. Pressured up to 2000 psi. Perforated at 230’. Pressured up again to 2000 psi, unable to establish injection rate. Perforated at 330’. Squeezed with 100 sx Class “C” cement 330’. Pressured 8-5/8” to 600 psi.  
7/19/22 – No bubbles. Well is 100% static. Tagged TOC 325’ from surface. Verified with NMOCDC-Artesia to spot surface plug from 325’ and up to surface. Spotted 25 sx Class “C” cement from 325’ and circulated up to surface.  
7/27/22 – Cut off wellhead and installed above ground dry hole marker. Cut off anchors and cleaned location. **WELL IS PLUGGED AND ABANDONED.**

*Tina Huerta*

Regulatory Specialist  
August 3, 2022

## Armstrong CT 1

Plug 5

Plug 4

Plug 3

Plug 2

Plug 1

Plug 5

Plug 4

Plug 3

TOC @ 7820 TS

Plug 2

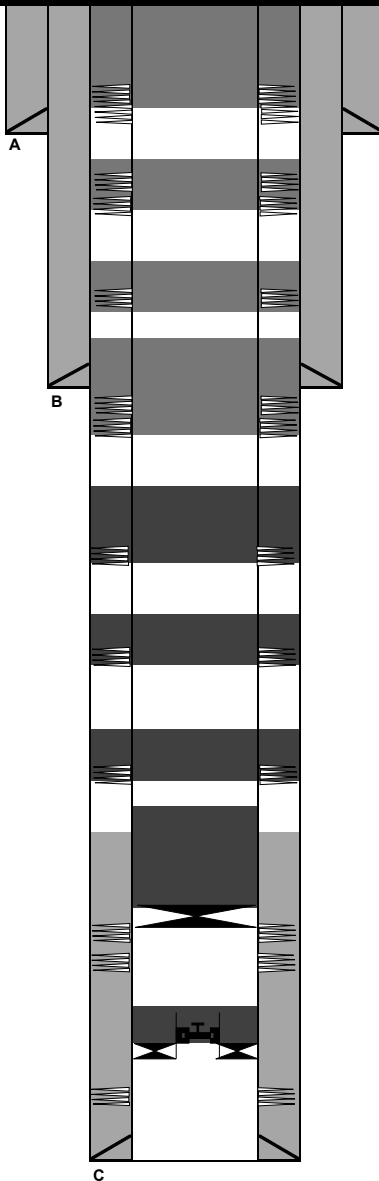
Strawn perms 8050-8056

Strawn perms 8122-8126

Pkr with standing vlv @ 8314

Plug 1

Atoka Perfs 8381-8619



PBTD: MD  
TD: 8,865 MD

Sec-TWN-RNG: 5 - T18S - R26E  
FOOTAGES: 1980 FSL & 660 FWL

API: 30-015-20863  
GR: 3397  
KB 3412

## CASING DETAIL

#	HOLE SIZE	SIZE	WGHT	GRADE	Top	Bottom	Sx Cmt	Circ/TOC	TOC Method
A	17 1/2	13 3/8	48	H-40	0	504	400	Circ	
B	12 1/4	8 5/8	24	J-55	0	1,318	700	1" to surf	
C	7 7/8	4 1/2	10.5 & 11.6	K-55	0	8,825	275	7820	TS

## FORMATION TOPS

	Formation	Top (MD)		Formation	Top (MD)		Formation	Top (MD)	
	San Andres	900		Strawn	7719				
	Glorieta	2283		Atoka	8328				
	Abo	4282							
	Canyon	6994							

## PLUGS

#	SX	Class	Top	Bottom	Tag	Notes	
1	4	H	8261	8314	N	Cement on top of existing packer at 8314'	
2	30	H	7575	8000	Y	CIBP	
3	60	C	6198	7044	Y	Perforate	
4	60	C	4122	4332	Y	Perforate	
5	35	C	2133	2333	Y	Perforate	
6	135	C	805	1368	Y	Perforate (Drilled out in remedial cementing)	
7	145	C	0	554	N	Perforate (Drilled out in remedial cementing)	

## Remedial Cement Work

1	65	C	1245	2122	Y	Perforate at 2100', 1450', 850', 600'	
2	50	C	720	850	Y		
3	50	C	520	600	Y		
4	100	C	325	330	Y	Perforate at 520', 230', 330'	
5	25	C	0	325	N		

	Formation	Top	Bottom						
	Atoka	8,381	8,619	A/C w/1000gals 15% MS w/1#/g Nitrogen, 20 bbls KCL water. SF w/ 25000 gals MS gel water					
	Strawn	8,122	8,126	1500 gals 15% DS-30 acid					
		8,050	8,056	1500 gals 15% DS-30 acid					

## ADDITIONAL DETAIL

Set standing vlv in Atoka packer @ 8314 and retrievable bridge plug @ 8312. Perforated the Strawn.

8/2/22

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State of New Mexico  
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1220 S. St Francis Dr.  
Santa Fe, NM 87505

CONDITIONS

Action 131065

CONDITIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 131065
	Action Type: [C-103] Sub. Plugging (C-103P)

CONDITIONS

Created By	Condition	Condition Date
gcordero	None	8/4/2022