

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTRECEIVED NMOCD
ArtesiaFORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2018**SUNDRY NOTICES AND REPORTS ON WELLS**
Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.

DISTRICT II-ARTESIA O.C.D.

SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NMNM71747
2. Name of Operator EOG Y RESOURCES INC		6. If Indian, Allottee or Tribe Name
Contact: JEREMY HAASS E-Mail: jeremy_haass@eogresources.com		7. If Unit or CA/Agreement, Name and/or No. NMNM105359
3a. Address 105 SOUTH FOURTH STREET ARTESIA, NM 88210	3b. Phone No. (include area code) Ph: 575-748-4311	8. Well Name and No. LEONTODON ASH FEDERAL COM 1
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 10 T9S R26E SWSE 990FSL 1980FEL		9. API Well No. 30-005-63324-00-C1
		10. Field and Pool or Exploratory Area FOOR RANCH-PRE-PERMIAN FOOR RANCH-WOLFCAMP, NORTHW
		11. County or Parish, State CHAVES COUNTY, NM

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input checked="" type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.

1. POOH with production equipment
2. Make GR and JB run to 6,000 ft
3. Set CIBP at 5,965 ft and top with 30sx Class C Cement at 5,665 ft - 5,965 ft. WOC and tag. Covers open perfs, Miss., Penn, and Cisco
4. Set CIBP at 5,430 ft and top with 37sx Class C Cement at 5,070 ft - 5,430 ft. WOC and tag. Covers open perfs and Wolfcamp top
5. Spot 25sx Class C Cement plug at 4,250 ft - 4,500 ft. Covers Abo top
6. Perf 5 1/2 csg at 2,200 ft and squeeze a 35sx Class C in/out cmt plug at 2,070 ft - 2,200 ft. WOC and tag. Covers Glorieta top
7. Perf 5 1/2 csg at 1,200 ft and squeeze a 33sx Class C in/out cmt plug at 1,080 ft - 1,200 ft. WOC and tag. Covers 8 5/8 csg shoe
8. Perf 5 1/2 csg at 1,050 ft and squeeze a 33sx Class C in/out cmt plug at 930 ft - 1,050 ft. WOC

RECEIVED

JUN 04 2019

DISTRICT II-ARTESIA O.C.D.

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

14. I hereby certify that the foregoing is true and correct. Electronic Submission #465866 verified by the BLM Well Information System For EOG Y RESOURCES INC, sent to the Roswell Committed to AFMSS for processing by MEIGHAN SALAS on 05/20/2019 (19MMS0097SE)	
Name (Printed/Typed) JEREMY HAASS	Title REGULATORY SPECIALIST
Signature (Electronic Submission)	Date 05/20/2019
APPROVED	
THIS SPACE FOR FEDERAL OR STATE OFFICE USE	
MAY 28 2019	
Approved By 	Title BUREAU OF LAND MANAGEMENT ROSWELL FIELD OFFICE
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 lease which would entitle the applicant to conduct operations thereon.	
Office	
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.	

(Instructions on page 2)

** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED **

Additional data for EC transaction #465866 that would not fit on the form

32. Additional remarks, continued

and tag. Covers San Andres top

9. Perf 5 1/2 csg at 100 ft and circulate a 28sx Class C in/out cmt plug at 100 ft - Surface

10. Cut off wellhead and weld on DHM per COA. Clean location as per regulation

Revisions to Operator-Submitted EC Data for Sundry Notice #465866

	Operator Submitted	BLM Revised (AFMSS)
Sundry Type:	ABD NOI	ABD NOI
Lease:	NMNM71747	NMNM71747
Agreement:		NMNM105359 (NMNM105359)
Operator:	EOG RESOURCES INCORPORATED 104 SOUTH FOURTH STREET ARTESIA, NM 88210 Ph: 575-748-4311	EOG Y RESOURCES INC 105 SOUTH FOURTH STREET ARTESIA, NM 88210 Ph: 575-748-1471
Admin Contact:	JEREMY HAASS REGULATORY SPECIALIST E-Mail: jeremy_haass@eogresources.com Ph: 575-748-4311	JEREMY HAASS REGULATORY SPECIALIST E-Mail: jeremy_haass@eogresources.com Ph: 575-748-4311
Tech Contact:	JEREMY HAASS REGULATORY SPECIALIST E-Mail: jeremy_haass@eogresources.com Ph: 575-748-4311	JEREMY HAASS REGULATORY SPECIALIST E-Mail: jeremy_haass@eogresources.com Ph: 575-748-4311
Location:		
State:	NM	NM
County:	CHAVES	CHAVES
Field/Pool:	FOOR RANCH,PRE-PERM	FOOR RANCH-PRE-PERMIAN FOOR RANCH-WOLFCAMP, NORTHWEST
Well/Facility:	LEONTODON ASH FEDERAL COM 1 Sec 10 T9S R26E 900FSL 1980FEL	LEONTODON ASH FEDERAL COM 1 Sec 10 T9S R26E SWSE 990FSL 1980FEL

Leontodon ASH Federal Com #1

Sec-TWN-RNG: 10-9S-26E API: 30-005-63324
 FOOTAGES: 900' FSL & 1980' FEL GL: 3826
 KB:

COMMENTS

CASING DETAIL

#	HOLE SIZE	SIZE	WGHT	GRADE	Top	Bottom	Sx Cmt	Circ/TOC	TOC by
A	12 1/4	8 5/8	24	J-55	0	1,142	600	Circ	
B	7 7/8	5 1/2	15.5		0	6,508	600	3890	CBL

FORMATION TOPS

FORMATION	TOP	FORMATION	TOP
San Andres	1040	Penn	5806
Glorieta	2136	Miss	5994
Yeso	2254	Ordovician	6085
Tubb	3690		
Abo	4457		
Wolfcamp	5120		
Cisco	5714		

Perforation Detail

Formation	Top	Bottom	Treatment	Notes
	6277	6340	2200 gal 20% HCL	Squeezed perfs to 2100psi
	6164	6200	1700 gal 20% HCL	Squeezed perfs to 2150
	5480	5494	1400 gal 15% HCL	
	6118	6150	1000 gal 20% HCL	Sand perf tool. Squeezed
	6014	6080	1600 gallons 15% HCL	

TBG Detail

#	Joint	Description	Length	OD	ID	Grade	Wt(lb/ft)	Top (ftKB)	Btm (ftKB)
1		Bull Plug	1	2 7/8				6100	6101
1		TBG	34	2 7/8		J-55		6066	6100
1		Slotted Sub	4	2 7/8				6062	6066
1		SN	1					6061	6062
20		TBG	618	2 7/8		J-55		5443	6061
1		TBG Anchor	3					5440	5443
165		TBG	5440	2 7/8		J-55		0	5440

Rods

#	Description	Length	OD	ID	Grade	Wt(lb/ft)	Top (ftKB)	Btm (ftKB)
1	2 1/2 X 1 1/2 X 20 RXB	20	2 1/2					
1	7/8 D sub	1						
10	7/8 D rods							
140	3/4 D rods							
91	7/8 D rods							

ADDITIONAL DETAIL

CIBP @ 6259 - drilled out and pushed to 6400'
cmt retainer @ 6110 w/ 1/2 bbl cmt on top

Prepared by: JDE

5/16/2019

TOC on 5 1/2 csg @ 3890 by CBL

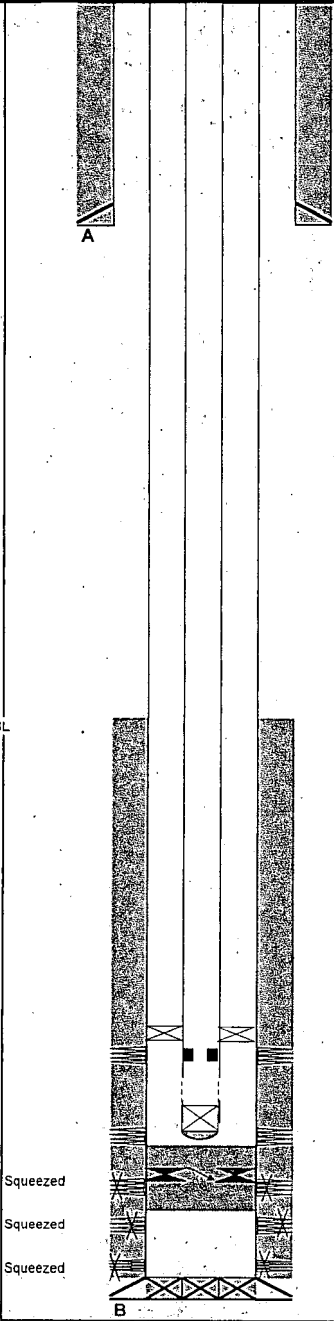
Perfs 5,480' - 5,494'

Perfs 6,014' - 6,080'

Perfs 6,118' - 6,150'

Perfs 6,164' - 6,200'

Perfs 6,277' - 6,340'



PBTD: 6,090 MD
 TD: 6,508 MD

Leontodon ASH Federal Com #1

Sec-TWN-RNG:
FOOTAGES:

10-9S-26E
900' FSL & 1980' FEL

API:
GL:
KB:

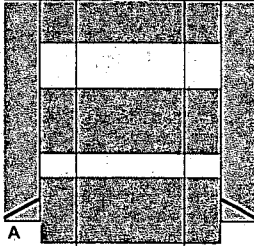
30-005-63324
3826

COMMENTS

Plug #7 Surface plug

Plug #6 SA top

Plug #5 8 5/8 Csg shoe



CASING DETAIL

#	HOLE SIZE	SIZE	WGHT	GRADE	Top	Bottom	Sx Cmt	Circ/TOC	TOC by
A	12 1/4	8 5/8	24	J-55	0	1142	600	Circ	
B	7 7/8	5 1/2	15.5		0	6.508	600	3890	CBL

FORMATION TOPS

FORMATION	TOP	FORMATION	TOP
San Andres	1040	Penn	5806
Glorieta	2136	Miss	5994
		Ordovician	6085
Tubb	3690		
Abo	4457		
Wolfcamp	5120		
Cisco	5714		

Perforation Detail

Formation	Top	Bottom	Treatment	Notes
	6277	6340	2200 gal 20% HCL	Squeezed perfs to 2100psi
	6164	6200	1700 gal 20% HCL	Squeezed perfs to 2150
	5480	5494	1400 gal 15% HCL	
	6118	6150	1000 gal 20% HCL	Sand perf tool. Squeezed
	6014	6080	1600 gallons 15% HCL	

Plug #4 Glorieta top



TOC on 5 1/2 csg @ 3890 by CBL

Plug #3 Abo top

Plug #2 Open perfs & WC

Perfs 5,480' - 5,494'

Plug #1 Open perfs & Miss & Penn & Cisco

Perfs 6,014' - 6,080'

Perfs 6,118' - 6,150'

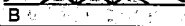
Squeezed

Perfs 6,164' - 6,200'

Squeezed

Perfs 6,277' - 6,340'

Squeezed



PSTD: 5,090 MD
TD: 6,508 MD

Plugs

#	SX	CMT CLASS	TOP	BTM	DESCRIPTION
1	30	C	5665	5965	CIBP w/ 30sx cmt. Open perfs & Miss. & Penn. & Cisco
2	37	C	5070	5430	CIBP w/ 37sx cmt. Open perfs & WC top
3	25	C	4250	4500	Abo top
4	35	C	2070	2200	Glorieta top. Perf @ 2,200. In/Out plug.
5	33	C	1080	1200	8 5/8 Csg shoe. Perf @ 1200'. In/out plug
6	33	C	930	1050	SA top. Perf @ 1050'. In/Out plug
7	28	C	0	100	Surface plug

ADDITIONAL DETAIL

FORMATION	TOP	BTM	#	NOTES

CIBP @ 6259 - drilled out and pushed to 6400'
cmt retainer @ 6110 w/ 1/2 bbl cmt on top

Prepared by: JDE

5/16/2019

Leontodon Ash Federal Com 1

30-005-63324

EOG Y RESOURCES, INC.

May 28, 2019

Conditions of Approval

1. Operator shall place CIBP at 5,965' (50'-100' above top most perf) and place 30 sx of Class C cement on top as proposed by operator. WOC and TAG.
2. Operator shall place CIBP at 5,430' (50'-100' above top most perf) and place 37 sx of Class C cement on top as proposed to seal the top of the Wolfcamp. WOC and TAG. Tag no less than 5070' to seal the top of the Wolfcamp Formation
3. Operator shall place a balanced Class C cement plug from 4,500'-4,250' as proposed to seal the Abo Formation.
4. Operator shall perf at 2,200' and squeeze 35 sx as proposed. Operator shall place a balanced Class C cement plug from 2,200'-2,070' as proposed to seal the Gloreitia Formation.
5. Operator shall perf and squeeze at 1,200'. Operator shall place a balanced Class C cement plug from 1,200'-1,080' to seal the 8-5/8" shoe as proposed. WOC and TAG.
6. Operator shall perf and squeeze at 1,050'. Operator shall place a balanced Class C cement plug from 1,050'-930' as proposed. WOC and TAG.
7. Operator shall perf and squeeze at 100'. Operator shall place a balanced Class C cement plug from 100' to surface.
8. See Attached for general plugging stipulations.

JAM 052819

BUREAU OF LAND MANAGEMENT

**Roswell Field Office
2909 West Second Street
Roswell, New Mexico 88201
(575) 627-0272**

Permanent Abandonment of Production Zone Conditions of Approval

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 BLM Roswell Field Office at least 24 hours prior to the commencing of any plugging operations. For wells in Chaves and Roosevelt County, during office hours or after office hours call (575) 627-0205. Engineer on call during office hours phone (575) 627-0275 or phone (after hours) call (575) 626-5871.**

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. If a bailer is used to cap this plug, 35 feet of cement shall be sufficient. **Before pumping or bailing cement on top of CIBP, tag will be required to verify depth.**

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.