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

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

Form C-103
Revised July 18, 2013

WELL API NO. 30-015-31625
5. Indicate Type of Lease STATE FEE [X]
6. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS
(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.)

7. Lease Name or Unit Agreement Name: LOUISE AYI
1. Type of Well: Oil Well [ ] Gas Well [X] Other
8. Well Number 1
2. Name of Operator: EOG Y RESOURCES, INC
9. OGRID Number 25575
3. Address of Operator: PO BOX 2267 MIDLAND, TX 79702
10. Pool name or Wildcat: BURTON FLAT; MORROW (PRO GAS) CROZIER BLUFF; ATOKA (GAS) HAPPY VALLEY; STRAWN, NE (GAS)
4. Well Location
Unit Letter I : 1859 feet from the SOUTH line and 660 feet from the EAST line
Section 25 Township 21S Range 26E NMPM County EDDY
11. Elevation *(Show whether DR, RKB, RT, GR, etc.)* 3127' GR

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

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
PERFORM REMEDIAL WORK	[ ]	PLUG AND ABANDON	[X]	REMEDIAL WORK	[ ]	ALTERING CASING	[ ]
TEMPORARILY ABANDON	[ ]	CHANGE PLANS	[ ]	COMMENCE DRILLING OPNS.	[ ]	P AND A	[X]
PULL OR ALTER CASING	[ ]	MULTIPLE COMPL	[ ]	CASING/CEMENT JOB	[ ]		
DOWNHOLE COMMINGLE	[ ]						
CLOSED-LOOP SYSTEM	[ ]						
OTHER:	[ ]			OTHER:			[ ]

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.

EOG Y PROPOSES TO P&A THIS WELL USING THE ATTACHED PROCEDURE.

RECEIVED
JUN 19 2018
DISTRICT II-ARTESIA O.C.D.

Spud Date: Rig Release Date:

*See Attached COA's Must be Plugged by 6-21-19

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Kay Maddox TITLE REGULATORY ANALYST DATE 06/18/2018

Type or print name KAY MADDOX E-mail address: KAY_MADDOX@EOGRESOURCES.COM PHONE: 432-686-3658

For State Use Only

APPROVED BY: TITLE Staff Mgr DATE 6-21-18
Conditions of Approval (if any):

eog resources

Louis AYI #1
1859' FSL & 660' FEL
Sec. 25-21S-26E
Eddy County, New Mexico
API # 30-015-31625

P&A Procedure
AFE # 110308

Executive Summary:
Pull production equipment, P&A well, cut off wellhead, install dry hole marker and clean location.

TD: 11,630' **PBTD:** 11,592' **GL:** 3,127' **KB:** 3,145'

Surface Casing: 13 ⅜" 48# at 602'. Cemented with 604 sx. Cement circulated.
Intermediate Casing: 9 ⅝" 36# at 2,365'. Cemented with 1300 sx. Cement circulated.
Production Casing: 7" 26# at 8,850'. 1st stg cemented with 525 sx, cement circulated. 2nd stg cemented with 675 sx through DV tool at 6,019', estimated TOC at 1,800'.
Production Liner: 4 ½" 11.6# at 11,630'. Cemented with 300 sx. TOC at 7,250' by CBL.

P&A Procedure:

1. Notify NMOCD 24 hours prior to commencing work. MIRU well service unit and all necessary safety equipment.
2. ND WH, NU BOP, release AS1-X packer at 9,900' and TOH laying down 2⅜" production string.
3. MIRU WL and RIH with GR & JB to 10,020'. POOH. RIH with 4½" CIBP, set CIBP at 10,010' then dump 35' class "H" cement on top of CIBP. POOH.
4. Pick up 2⅜" work string and TIH open ended to 8,900'. Circulate plugging mud then spot a 310' (25 sx) class "H" cement plug from 8,900'-8,590' (this will cover 7" csg shoe and top of Wolfcamp). Pick up, reverse tubing clean and POOH to WOC.
5. RU WL and RIH to tag TOC, then pick up and perf 4½" casing at 4,850'. POOH w/ WL.
6. TIH with 4½" packer, set packer at 4,710'. Circulate plugging mud up 4½" annulus then spot a 140' (25 sx) class "C" cement plug from 4,850'-4,710' inside and outside 4½" casing (this will cover top of Bone Spring). Release packer, pick up, reverse tubing clean and POOH.
7. RU WL and RIH to perf 4½" casing at 2,415'. POOH w/ WL.
8. TIH with 4½" packer, set packer at 2,195'. Spot a 220' (35 sx) class "C" cement plug from 2,415'-2,195' inside and outside 4½" casing (this will cover 9⅝" csg shoe and top of Delaware). Release packer, pick up, reverse tubing clean and POOH to WOC.
9. RU WL and RIH to tag TOC, then pick up and perf 4½" and 7" casing at 652'. POOH w/ WL.

10. TIH with 4½" packer, set packer at 552'. With 4½" csg valve closed, circulate plugging mud up 7" annulus. With 7" csg valve closed, circulate plugging mud up 4½" annulus. Spot a 100' (35 sx) class "C" cement plug from 652'-552' inside and outside 4½" and 7" csg (this will cover 13⅜" csg shoe). Release packer, pick up, reverse tubing clean and POOH to WOC.
11. RU WL and RIH to tag TOC, then pick up and perf 4½" and 7" casing at 50'. POOH w/ WL. RDMO WL.
12. Spot a 15 sx class "C" cement plug from 50'-surface inside and outside 4½" and 7" casing.
13. Cut off wellhead and verify cement behind all casing strings.
14. RDMO well service unit, install dry hole marker and clean location.

Production Engineer: Brice A Letcher **Date:** 4/16/2018

Brice A. Letcher, P.E.

In the event of an accident/safety incident involving EOG employees or contract personnel contact:			
Name	**Title**	**Cell**	**Office**
Brian Chandler	Safety Manager	817-239-0251	817-806-0486
Ashley Mayfield	Sr. Safety Rep	432-258-7998	432-686-3662
In the event of a spill or environmental release contact:			
Name	**Title**	**Cell**	**Office**
Zane Kurtz	Sr. Environmental Rep	432-425-2023	432-686-3667
Jamon Hohensee	Environmental Rep	432-556-8074	
Doug Lowrie	Environmental Manager	432-425-6923	432-686-3755
Production Department Contacts:			
Name	**Title**	**Cell**	**Office**
Mario Arevalo	NM Prod. Superintendent	940-231-8118	575-738-0397
Aaron Bishop	Production Foreman	575-703-6527	
Junior Orquiz	Sr. Production Foreman	575-703-5071	
Joe Palma	Production Foreman	575-365-5562	
Brice Letcher	Sr. Production Engineer	575-748-5021	432-686-6965
Eric Burkholder	Lead Production Engineer	817-374-3321	432-686-3682
James Keeton	Production Engineer II	940-391-6856	432-686-3635
Joey Damiano	Sr. Production Engineer	817-739-8042	432-686-3675
Ron Willett	Production Advisor	432-230-2135	432-686-3775
Randy Lewellen	Production Superintendent	682-478-8879	432-686-3710
Completions Department Contacts:			
Name	**Title**	**Cell**	**Office**
Alex Richter	Completions Engineer Advisor	432-634-9148	432-686-3638
Tom Redd	Completions Engineer Advisor	303-854-8605	432-686-3674
Police/Fire/Hospital Contacts			
Fire			911
Sheriff (Eddy County)			575-887-7551
Sheriff (Lea County)			575-396-3611
Hospital – Carlsbad Medical Center (Carlsbad, NM)			575-887-4100
Hospital – Lea Regional Medical Center (Hobbs, NM)			575-492-5000
Hospital – Nor-Lea General Hospital (Lovington, NM)			575-396-6611
Hospital – Winkler County Memorial Hospital (Kermit, TX)			432-586-5864

Louise

Well Name:	~~Louis~~ AYI #1
Location:	1859' FSL & 660' FEL Sec. 25-21S-26E
County:	Eddy, NM
Lat/Long:	32.4483109,-104.2396622 NAD83
API #:	30-015-31625
Spud Date:	2/20/84
Compl. Date:	9/28/84 R/C: 10/21/93

eog resources

Current Wellbore Diagram:

KB: 3,145'
GL: 3,127'

17-1/2" Hole

13-3/8" 48# H-40 @ 602'
Cmt w/ 604 sx (circ)

12-1/4" Hole

Est. TOC (7" csg) @ 1,800'

9-5/8" 36# J-55 @ 2,365'
Cmt w/ 1,300 sx (circ)

8-3/4" Hole

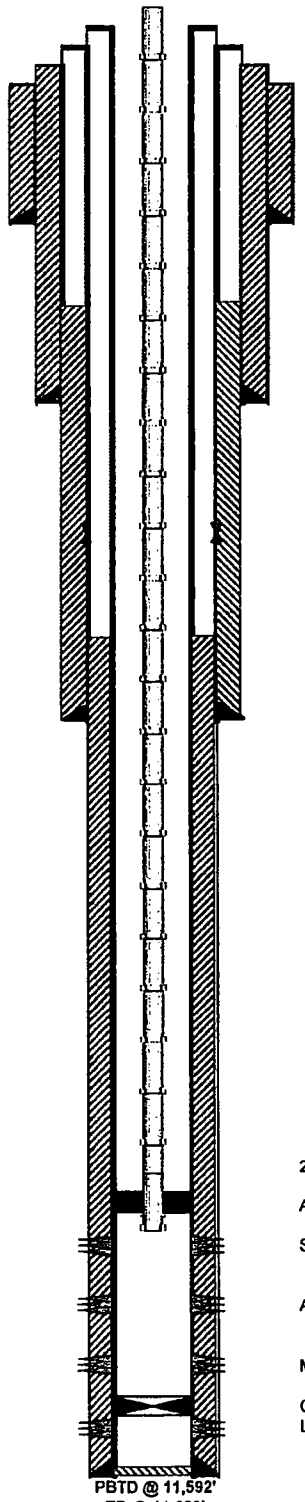
DV Tool (7" csg) @ 6,019'

TOC @ 7,250' by CBL

7" 26# L-80 & J-55 @ 8,850'
1st Stg: Cmt w/ 525 sx (circ)
2nd Stg: Cmt w/ 675 sx

6-1/8" Hole

4-1/2" 11.6# P-110 @ 11,630'
Cmt w/ 300 sx



PBTD @ 11,592'
TD @ 11,630'

2-3/8" tbg

AS-I packer @ 9,900'
w/ 1.87" on/off tool
Strawn perfs: 10,054'-10,184'

Atoka perfs: 10,484'-10,858'

Morrow perfs: 11,012'-11,414'

CIBP @ 11,432'
L Morrow perfs: 11,444'-11,470'

Formation Tops

Delaware	2,265
Bone Spring	4,802
3rd Bone Sprg	8,277
Wolfcamp	8,720
Strawn	10,054
Atoka	10,444
Morrow	10,907
L Morrow	11,342

Not to Scale
By: BAL 4/16/18

Louise

Well Name:	~~Louis~~ AYI #1
Location:	1859' FSL & 660' FEL Sec. 25-21S-26E
County:	Eddy, NM
Lat/Long:	32.4483109,-104.2396622 NAD83
API #:	30-015-31625
Spud Date:	2/20/84
Compl. Date:	9/28/84 R/C: 10/21/93

eog resources

Current Wellbore Diagram:

KB: 3,145'
GL: 3,127'

17-1/2" Hole

13-3/8" 48# H-40 @ 602'
Cmt w/ 604 sx (circ)

12-1/4" Hole

Est. TOC (7" csg) @ 1,800'

9-5/8" 36# J-55 @ 2,365'
Cmt w/ 1,300 sx (circ)

8-3/4" Hole

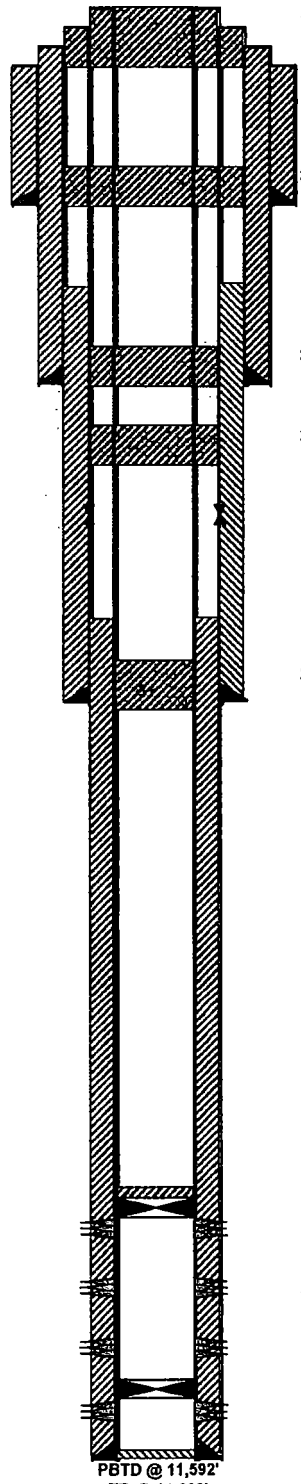
DV Tool (7" csg) @ 6,019'

TOC @ 7,250' by CBL

7" 26# L-80 & J-55 @ 8,850'
1st Stg: Cmt w/ 525 sx (circ)
2nd Stg: Cmt w/ 675 sx

6-1/8" Hole

4-1/2" 11.6# P-110 @ 11,630'
Cmt w/ 300 sx



15 sx cmt plug @ 50'-surface

35 sx cmt plug @ 652'-552'

35 sx cmt plug @ 2,415'-2,195'

25 sx cmt plug @ 4,850'-4,710'

25 sx cmt plug @ 8,900'-8,590'

CIBP w/ 35' cmt @ 10,010'

Strawn perfs: 10,054'-10,184'

Atoka perfs: 10,484'-10,858'

Morrow perfs: 11,012'-11,414'

CIBP @ 11,432'
L Morrow perfs: 11,444'-11,470'

PBTD @ 11,592'
TD @ 11,630'

Formation Tops

Delaware	2,265
Bone Spring	4,802
3rd Bone Sprg	8,277
Wolfcamp	8,720
Strawn	10,054
Atoka	10,444
Morrow	10,907
L Morrow	11,342

Not to Scale
By: BAL 4/16/18

CONDITIONS FOR PLUGGING AND ABANDONMENT

District II / Artesia N.M.

The following is a guide or checklist in preparation of a plugging program, this is not all inclusive and care must be exercised in establishing special plugging programs in unique and unusual cases, **Notify NMOCD District Office II at (575)-748-1283 at least 24 hours before beginning work.**

1. A notice of intent to plug and abandon a wellbore is required to be approved before plugging operations are conducted. A cement evaluation tool is required in order to ensure isolation of producing formations, protection of water and correlative rights. A cement bond log or other accepted cement evaluation tool is to be provided to the division for evaluation if one has not been previously run or if the well did not have cement circulated to surface during the original casing cementing job or subsequent cementing jobs.
2. Closed loop system is to be used for entire plugging operation. Upon completion, contents of steel pits are to be hauled to a permitted disposal location.
3. Trucking companies being used to haul oilfield waste fluids to a disposal – commercial or private – shall have an approved NMOCD C-133 permit. A copy of this permit shall be available in each truck used to haul waste products. It is the responsibility of the operator as well as the contractor, to verify that this permit is in place prior to performing work. Drivers shall be able to produce a copy upon request of an NMOCD Field inspector.
4. Filing a subsequent C-103 will serve as notification that the well has been plugged.
5. A final C-103 shall be filed (and a site inspection by NMOCD Inspector to determine if the location is satisfactorily cleaned, all equipment, electric poles and trash has been removed to Meet NMOCD standards) before bonding can be released.
6. If the well is not plugged within 1
7. If work has not begun within 1 Year of the approval of this procedure, an extension request must be file stating the reason the well has not been plugged.
8. **Squeeze pressures are not to exceed 500 psi, unless approval is given by NMOCD.**
9. Produced water **will not** be used during any part of the plugging operation.
10. Mud laden fluids must be placed between all cement plugs mixed at 25 sacks per 100 bbls of water.
11. All cement plugs will be a minimum of 100' in length or a minimum of 25 sacks of cement, whichever is greater. 50' of calculated cement excess required for inside casing plugs and 100% calculated cement excess required on outside casing plugs.
12. **Class 'C' cement will be used above 7500 feet.**
13. **Class 'H' cement will be used below 7500 feet.**
14. **A cement plug is required to be set 50' above and 50' below, casing stubs, DV tools, attempted casing cut offs, cement tops outside casing, salt sections and anywhere the casing is perforated, these plugs require a 4 hour WOC and then will be tagged**
15. **All Casing Shoes Will Be Perforated 50' below shoe depth and Attempted to be Squeezed, cement needs to be 50' above and 50' Below Casing Shoe inside the Production Casing**

16. When setting the top out cement plug in production, intermediate and surface casing, wellbores should remain full at least 30 minutes after plugs are set
17. **A CIBP is to be set within 100' of production perforations, capped with 100' of cement, WOC 4 hours and tag.**
18. A CIBP with 35' of cement may be used in lieu of the 100' plug if set with a bailer. This plug will be placed within 100' of the top perforation, **(WOC 4 hrs and tag).**
19. No more than **3000' is allowed between cement plugs in cased hole and 2000' in open hole.**
20. Some of the Formations to be isolated with cement plugs are: These plugs to be set to isolate formation tops
    A) Fusselman
    B) Devonian
    C) Morrow
    D) Wolfcamp
    E) Bone Springs
    F) Delaware
    G) Any salt sections
    H) Abo
    I) Glorieta
    J) Yates.
    K) **Potash---** (In the R-111-P Area (Potash Mine Area), a solid cement plug must be set across the salt section. Fluid used to mix the cement shall be saturated with the salts that are common to the section penetrated and in suitable proportions, not more than 3% calcium chloride (by weight of cement) will be considered the desired mixture whenever possible, **WOC 4 hours and tag, this plug will be 50' below the bottom and 50' above the top of the Formation.**
21. **If cement does not exist behind casing strings at recommended formation depths,** the casing can be cut and pulled with plugs set at recommended depths. If casing is not pulled, perforations will be shot and cement squeezed behind casing, WOC and tagged. These plugs will be set 50' below formation bottom to 50' above formation top inside the casing

DRY HOLE MARKER REQUIRMENTS

The operator shall mark the exact location of the plugged and abandoned well with a steel marker not less than four inches in diameter, 3' below ground level with a plate of at least ¼" welded to the top of the casing and the dry hole marker welded on the plate with the following information welded on the dry hole marker:

1. Operator name 2. Lease and Well Number 3.API Number 4. Unit Letter 5. Quarter Section (feet from the North, South, East or West) 6. Section, Township and Range 7. Plugging Date 8. County (SPECIAL CASES)-------AGRICULTURE OR PRARIE CHICKEN BREEDING AREAS

In these areas, a below ground marker is required with all pertinent information mentioned above on a plate, set 3' below ground level, a picture of the plate will be supplied to NMOCD for record, the exact location of the marker (longitude and latitude by GPS) will be provided to NMOCD (We typically require a current survey to verify the GPS)