

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. 30-005-63245
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No. V-4459
7. Lease Name or Unit Agreement Name Windmill ATI State
8. Well Number 2
9. OGRID Number 7377
10. Pool name or Wildcat Buffalo Valley; Penn

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.)	
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other <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>E</u> : <u>2310</u> feet from the <u>North</u> line and <u>990</u> feet from the <u>West</u> line Section <u>16</u> Township <u>15S</u> Range <u>28E</u> NMPM Chaves County	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3569'GR	

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

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☒
 TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
 PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐
 DOWNHOLE COMMINGLE ☐
 CLOSED-LOOP SYSTEM ☐
 OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
 COMMENCE DRILLING OPNS. ☐ P AND A ☐
 CASING/CEMENT JOB ☐
 OTHER: ☐

Notify OCD 24 hrs. prior to any work done

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 Resources, Inc. plans to plug and abandon this well as follows:

- MIRU all safety equipment as needed. NU BOP. POOH with production equipment.
- Set a CIBP at 8932' with 25 sx Class "H" cement on top to 8711'. WOC and tag. This will cover Morrow perfs and top.
- Set a CIBP at 8812' with 25 sx Class "H" cement on top to 8591'. This will cover Atoka perfs and top. **WOC & tag**
- Spot a 31 sx Class "H" cement plug from 8192'-7918'. This will cover Strawn and Canyon tops.
- Spot a 25 sx Class "H" cement plug from 7561'-7340'. This will cover Cisco top.
- Spot a 25 sx Class "C" cement plug from 6652'-6405'. This will cover Wolfcamp top.
- Spot a 25 sx Class "C" cement plug from 4672'-4425'. This will cover Tubb top.
- Perforate at 1970'. Spot a 25 sx Class "C" cement plug from 1970'-1723'. WOC and tag. This will cover intermediate casing shoe and San Andres top.
- Perforate at 1450'. Spot a 35 sx Class "C" cement plug from 1450'-1308'. WOC and tag. This will cover TOC.
- Perforate at 1224'. Spot a 35 sx Class "C" cement plug from 1224'-1082'. WOC and tag. This will cover Queen top.
- Perforate at 629'. Spot a 70 sx Class "C" cement plug from 629'-346'. WOC and tag. This will cover Seven Rivers top and surface casing shoe and Yates top. **Perf @ 452'**
- Perforate at 60'. Spot 15 sx Class "C" cement from 60' up to surface. Backfill as needed.
- Cut off wellhead and install dry hole marker. Clean location as per regulated.

Wellbore schematics attached.

Spud Date:

Rig Release Date:

****SEE ATTACHED COA's****

Must be plugged by 6/14/2022

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 June 2, 2021

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 6/14/2021

Conditions of Approval (if any):

CONDITIONS FOR PLUGGING AND ABANDONMENT

OCD - Southern District

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. After MIRU rig will remain on well until it is plugged to surface. OCD is to be notified before rig down. Company representative will be on location during plugging procedures.**

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. Insure all bradenheads have been exposed, identified and valves are operational prior to rig up.
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 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.
7. Squeeze pressures are not to exceed 500 psi, unless approval is given by NMOCD.
8. Produced water **will not** be used during any part of the plugging operation.
9. Mud laden fluids must be placed between all cement plugs mixed at 25 sacks per 100 bbls of water.
10. 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.
11. Class 'C' cement will be used above 7500 feet.
12. Class 'H' cement will be used below 7500 feet.
13. 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
14. 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 REQUIREMENTS

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)

SITE REMEDIATION DUE WITHIN ONE YEAR OF WELL PLUGGING COMPLETION

Windmill ATI State 2 Current

Sec-TWN-RNG: 16-15S-28E
FOOTAGES: 2310'FNL & 990'FWL

API: 30-005-63245
GL: 3569
KB:

CASING DETAIL

#	HOLE SIZE	SIZE	WGHT	GRADE	Top	Bottom	Sx Cmt	Circ/TOC	TOC Method
A	14 3/4	11 3/4	42	H-40	0	402	300 sx +8 yds redi- mix	Circ	
B	11	8 5/8	24	J-55	0	1,920	600	Circ	
C	7 7/8	5 1/2	15.5,17	J-55,P-110	0	9,528	1510	1400	Brought cement top up to

FORMATION TOPS

	Formation	Top		Formation	Top
	Yates	423		Chester	9226
	Seven Rivers	579			
	Queen	1174			
	San Andres	1858			
	Tubb	4622			
	Wolfcamp	6602			
	Cisco	7511			
	Canyon	7974			
	Strawn	8142			
	Atoka	8793			
	Morrow	8946			

#	Joints	Description	Length	OD	ID	Grade	Wt (lb/ft)	Top (ftKB)	Btm (ftKB)
		2 7/8" Tubing and packer						8,764	

CIBP at 9303

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Perforation Detail

	Formation	Top	Bottom	Treatment
A	Chester	9,330	9,428	Acidize 9414-9428 w/1000g 15% IC HCL and 30 ball sealers
B	Morrow	8,982	9,032	Acidize 9330-9346 w/1000g 15% IC HCL and 34 ball sealers
				Acidize w/2000g 7-1/2% MSA w/113,000# SCF N2
				Frac w/330 bbls gelled fluid and 140 tons CO2 and 43,000# black sand
C	Atoka	8,862	8,866	Acidize w/1000g 7-1/2% Morrow acid and 1000 SCF N2 per bbl

PBTD: 9,303 MD
TD: 9,528 MD

Prepared by: TH

Perf C

Perf B

Perf A

A

B

C

TOC 1400

Windmill ATI State 2 Proposed

Sec-TWN-RNG: 16-15S-28E
FOOTAGES: 2310'FNL & 990'FWL

API: 30-005-63245
GL: 3569
KB:

CASING DETAIL

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FORMATION TOPS

	Formation	Top	Formation	Top
	Yates	423	Cisco	7511
	Seven Rivers	579	Canyon	7974
	Queen	1174	Strawn	8142
	San Andres	1858	Atoka	8793
	Tubb	4622	Morrow	8946
	Wolfcamp	6602	Chester	9226

CIBP at 9303

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Perforation Detail

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Plugs

#	SX	Class	Top	Bottom	Δ	Notes	Tag
1	25	H	8711	8932	221	Morrow perms + top	Y
2	25	H	8591	8812	221	Atoka perms + top	N
3	31	H	7918	8192	274	Strawn top + Canyon top	N
4	25	H	7340	7561	221	Cisco top	N
5	25	C	6405	6652	247	Wolfcamp top	N
6	25	C	4425	4672	247	Tubb top	N
7	25	C	1723	1970	247	Intermediate casing shoe + San Andres top	Y
8	35	C	1308	1450	142	TOC	Y
9	35	C	1082	1224	142	Queen top	Y
10	70	C	346	629	283	Seven Rivers Top + Surf casing shoe + Yates top	Y
11	15	C	0	60	60	Surface plug	Y

PBTD: 9,303
TD: 9,528

Prepared by: TH

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Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 30322

CONDITIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 30322
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

CONDITIONS

Created By	Condition	Condition Date
gcordero	None	6/14/2021