

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

NM OIL CONSERVATION State of New Mexico
ARTESIA DISTRICT Energy Minerals and Natural Resources

Form C-101
Revised July 18, 2013

APR 09 2018

RECEIVED

Oil Conservation Division

1220 South St. Francis Dr.

Santa Fe, NM 87505

☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

¹ Operator Name and Address EOG Y Resources, Inc. 104 South Fourth Street Artesia, NM 88210		⁴ OGRID Number 025575
		⁵ API Number 30-015-26381
⁴ Property Code 12721	⁵ Property Name Sara AHA	⁶ Well No. 2

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
H	15	20S	24E		1980	North	660	East	Eddy

8. Proposed Bottom Hole Location

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County

Pool Information

Pool Name N. Seven Rivers; Glorieta-Yeso	Pool Code 97565
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Additional Well Information

¹¹ Work Type P	¹² Well Type O	¹³ Cable/Rotary N/A	¹⁴ Lease Type P	¹⁵ Ground Level Elevation 3648'
¹⁶ Multiple N	¹⁷ Proposed Depth N/A	¹⁸ Formation Chester	¹⁹ Contractor N/A	²⁰ Spud Date N/A
Depth to Ground water N/A		Distance from nearest fresh water well N/A		Distance to nearest surface water N/A

☒ We will be using a closed-loop system in lieu of lined pits

21. Proposed Casing and Cement Program

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surface	14-3/4"	9-5/8"	36#	1211'	900 sx (In Place)	0
Intermediate	8-3/4"	7"	23#, 26#	9487'	3075 sx (In Place)	0

Casing/Cement Program: Additional Comments

Refer to page 2 for details

22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Manual BOP	3000 psi	3000 psi	Whichever company is available

²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify that I have complied with 19.15.14.9 (A) NMAC <input type="checkbox"/> and/or 19.15.14.9 (B) NMAC <input type="checkbox"/> if applicable. Signature: <i>Tina Huerta</i> Printed name: Tina Huerta Title: Regulatory Specialist E-mail Address: tina_huerta@eogresources.com Date: April 5, 2018		OIL CONSERVATION DIVISION Approved By: <i>Raymond H. Godany</i> Title: <i>Geologist</i> Approved Date: <i>4-11-18</i> Expiration Date: <i>4-11-20</i> Conditions of Approval Attached	
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Form C-101 continued:

EOG Y Resources, Inc. plans to plug back and recompleate this well as follows:

1. MIRU all safety equipment as needed. NU BOP. POOH with the packer. Load the hole as necessary with fresh water.
2. Set a CIBP at 7,510' and cap it with 25 sx class "H" cement. This will place a plug over the Canyon perforations. Load the hole with plugging mud up to 3,000'
3. Spot a 315' Class "C" cement plug from 5022'-5337' across the Wolfcamp top and stage tool. WOC and tag, reset plug if necessary.
4. Spot a 150' Class "C" cement plug from 4858'-5008' across Abo top.
5. Spot a 150' Class "C" cement plug from 3254'-3404' across Bone Spring top.
6. Pull a CBL/CCL/GR log while holding 1,000 psi on the casing. Perforate Yeso 2978'-3028' (51) using 1 jspf with 90-degree phasing.
7. Swab test, evaluate and send samples to lab for analysis.
8. Acidize with 5,000 gallons of 20% NEFE acid. Drop 38 1.3 SG RCN ball sealers spaced out evenly throughout the acid, flush to the bottom perf with treated water and then over flush by 30 bbls. Swab, flow test, evaluate and send samples to lab for analysis
9. Perforate Yeso 2804'-2850' (47) using 1 jspf with 90-degree phasing.
10. Swab test, evaluate and send samples to lab for analysis.
11. Acidize with 2,500 gallons of 7-1/2% NEFE acid. Drop 35 1.3 SG RCN ball sealers spaced out evenly throughout the acid flush to the bottom perf with treated water and then over flush by 30 bbls. Swab, flow test, evaluate and send samples to lab for analysis
12. Turn the well over to the Production.

Wellbore schematics attached


Regulatory Specialist
April 5, 2018

WELL NAME: SARA AHA No. 002 FIELD: South Dagger Draw Penn
 LOCATION: Unit H Sec.15 T20S R24E, 1980 FNL & 660 FEL Eddy County, NM
 GL: 3,648' ZERO: KB: 3,662'
 SPUD DATE: 6-24-90 COMPLETION DATE: 8-24-90
 COMMENTS: API No. 30-015-26381

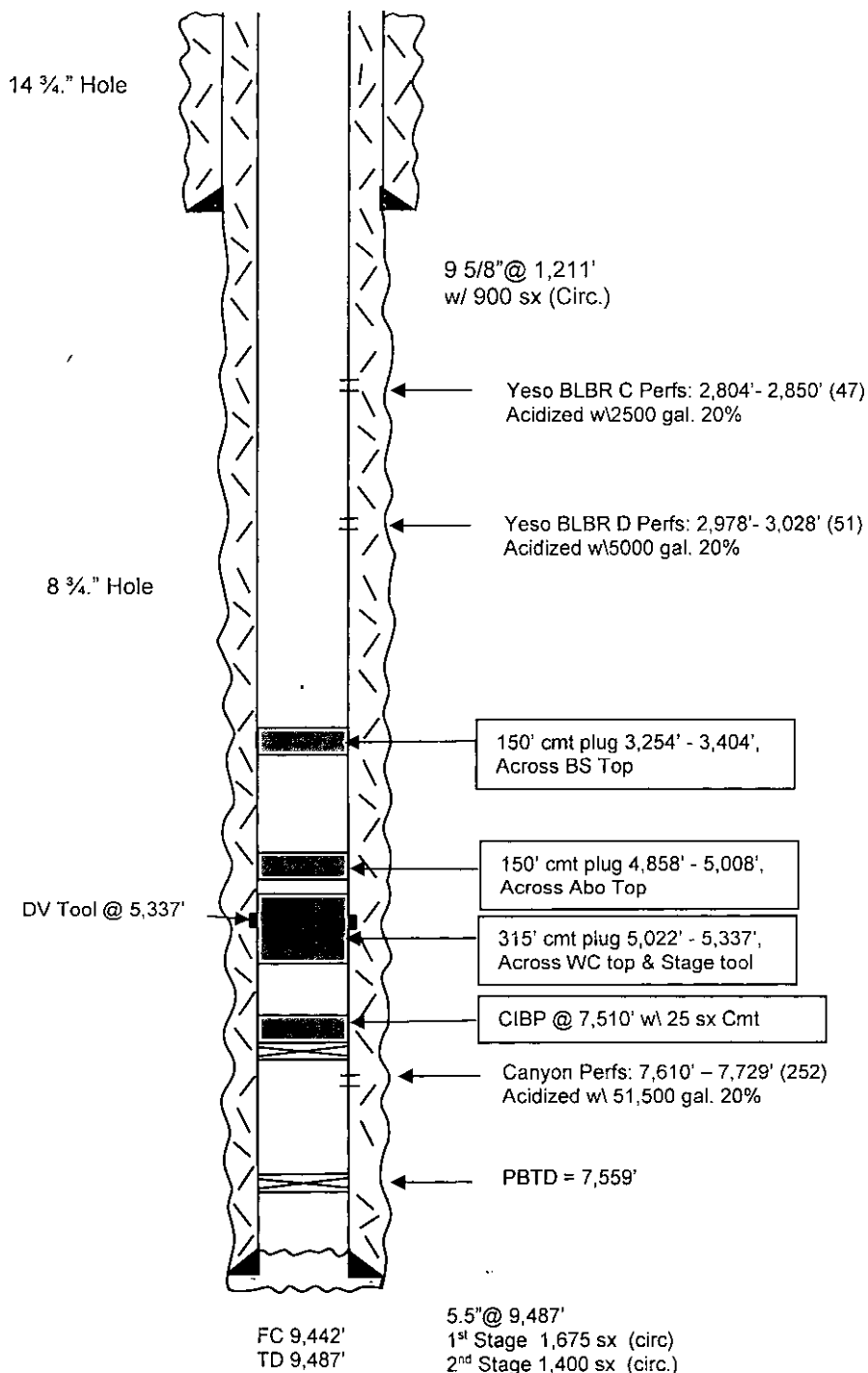
CASING PROGRAM

9-5/8" 36# J55	1,249'	1,211'
7" 26 & 23# J-55 & N80 LT&C		9,487'

After

TOPS

San Andres	458'
Glorieta	2,006'
Yeso	2,089'
Bone Springs	3,304'
Abo	4,908'
Wolfcamp Lime	5,502'
Canyon	7,472'
Strawn	8,122'
Atoka	8,730'
Morrow	9,084'



Not to Scale

JMH 4-2-18

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State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

NM OIL CONSERVATION
ARTESIA DISTRICT

APR 09 2018

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-26381	² Pool Code 97565	³ Pool Name N. Seven Rivers; Glorieta-Yeso
⁴ Property Code 12721	⁵ Property Name Sara AHA	⁶ Well Number 2
⁷ OGRID No. 025575	⁸ Operator Name EOG Y Resources, Inc.	⁹ Elevation 3648'GL

¹⁰ Surface Location

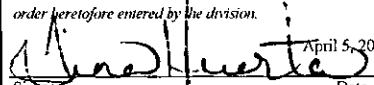
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	15	20S	24E		1980	North	660	East	Eddy

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

¹² Dedicated Acres 40	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

<div style="position: relative; height: 400px;"> <div style="position: absolute; top: 50%; left: 50%; transform: translate(-50%, -50%);"> <p>N 08° 51'</p> <p>660' E</p> </div> </div>	<p>¹⁷ OPERATOR CERTIFICATION</p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</p> <p>  </p> <p> Tina Huerta Printed Name tina.huerta@eogresources.com E-mail Address </p>	
	<p>¹⁸ SURVEYOR CERTIFICATION</p> <p>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</p>	
	<p>Date of Survey</p> <p>Signature and Seal of Professional Surveyor:</p>	
	<p>Certificate Number</p>	