

**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

**State of New Mexico**

Form C-101  
Revised July 18, 2013

**Energy Minerals and Natural Resources****Oil Conservation Division**

1220 South St. Francis Dr.

Santa Fe, NM 87505

**NM OIL CONSERVATION**

ARTESIA DISTRICT

OCT 10 2017

RECEIVED

☐ AMENDED REPORT

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

<sup>1</sup> Operator Name and Address EOG Y Resources, Inc. 104 South Fourth Street Artesia, NM 88210		<sup>2</sup> OGRID Number 025575
		<sup>3</sup> API Number 30-015-33174
<sup>4</sup> Property Code 33276	<sup>5</sup> Property Name Orval BDQ State Com	<sup>6</sup> Well No. 1

**7. Surface Location**

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
E	32	20S	23E		2090	North	1093	West	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**

<sup>9</sup> Pool Name WC-015-203132E	<sup>10</sup> Pool Code 98253
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**Additional Well Information**

<sup>11</sup> Work Type P	<sup>12</sup> Well Type O	<sup>13</sup> Cable/Rotary N/A	<sup>14</sup> Lease Type S	<sup>15</sup> Ground Level Elevation 4417'
<sup>16</sup> Multiple N	<sup>17</sup> Proposed Depth N/A	<sup>18</sup> Formation Morrow	<sup>19</sup> Contractor N/A	<sup>20</sup> 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
Conductor	26"	20"	Conductor	40'	Redi-mix (In Place)	0
Surface	12-1/4"	9-5/8"	36#	1425'	1740 sx (In Place)	0
Production	8-3/4"	5-1/2"	15.5# & 17#	8950'	2325 sx (In Place)	200'

**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

<sup>23</sup> 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 ☐ and/or 19.15.14.9 (B) NMAC ☐ if applicable.

Signature: *Tina Huerta*

Printed name: Tina Huerta

Title: Regulatory Specialist

E-mail Address: tina\_huerta@eogresources.com

Date: October 10, 2017

Phone: (575) 748-4168

**OIL CONSERVATION DIVISION**

Approved By:

*Raymond J. Rodary*

Title: *Geologist*

Approved Date: *11-7-17*

Expiration Date: *11-7-19*

Conditions of Approval Attached

*MF*

**Form C-101 continued:**

EOG Y Resources, Inc. plans to plugback and recomplete this well as follows:

1. MIRU all safety equipment as needed. NU BOP. POOH with the packer. Load hole as necessary with fresh water.
2. Set a CIBP at 8446' with 25 sx Class "H" cement on top. This will place a plug over open Morrow perforations.
3. Set a CIBP at 8154' with 25 sx Class "H" cement on top. This will place a plug over open Atoka perforations.
4. Spot a 240' Class "C" cement plug from 5995'-6235'. This will leave a plug across Upper Penn top.
5. Spot a 240' Class "C" cement plug from 5134'-5374'. This will leave a plug across Wolfcamp top.
6. Perforate Abo 3920'-5100' (1181).
7. TIH with packer, profile nipple and tubing. Set packer at 120' above the top perf.
8. Acidize with 5000g 20% NEFE acid. Drop 30 1.3 SG RCN ball sealers spaced out evenly throughout the acid flush to the bottom perf with treated water. Limit STP to 5000 psi. Swab, flow test and evaluate.
9. Pump a fracturing treatment down the 3.5" tubing at 38-40 BPM while limiting the surface treating pressure to less than 8,600 psi.

Treating Schedule  
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Stage Number	Stage	gal	Fluid	Prop Conc lb/gal	lb Proppant -----		
					Stage	Cumulative	Proppant
1	Injection	1500.	Slickwater	0.00	0.	0.	----
2	Acid	2000.	20% HCL	0.00	0.	0.	----
3	Pad	2000.	Slickwater	0.00	0.	0.	----
4	ISIP	0.	Slickwater	0.00	0.	0.	----
5	Pad	14000.	Slickwater	0.00	0.	0.	----
6	SLF	33000.	Slickwater	0.50	16500.	16500.	100 Mesh
7	SLF	25000.	Slickwater	1.00	25000.	41500.	100 Mesh
8	SLF	22000.	Slickwater	1.50	33000.	74500.	100 Mesh
9	SLF	17000.	Slickwater	2.00	34000.	108500.	100 Mesh
10	SLF	6600.	Slickwater	2.50	16500.	125000.	100 Mesh
11	Flush	1500.	Slickwater	0.00	0.	0.	----

**Estimated Surface Treating Pressure = 4,564 psig.**

**Maximum Surface Treating Pressure = 8,600 psig.**

**Fluid Specifications:** Fresh water with 0.8 Gal/M FR, biocide and scale inhibitor.

**EOG will provide:**

6 clean frac tanks with 480 bbls of fresh water for the treatment and flush.

10. Flow test and evaluate and let the well clean up, if the well is dead or the pressure is low bullhead 10# brine with biocide and POOH with tubing and packer. If the well head pressure is staying above 200 psi set a blanking plug in the O/O tool jay off the packer and POOH laying down the 3.5" frac string. TIH with tubing and jay back onto the packer and pull the blanking plug.

11. Swab the well in and turn it over to the production.

  
Regulatory Specialist  
October 10, 2017

**WELL NAME:** ORVAL BDQ STATE COM No. 1    **FIELD:** Little Box Canyon Morrow  
**LOCATION:** 2090 FNL & 1093 FWL Sec 32-20S-23E    Eddy County    NM  
**GL:** 4,417'    **ZERO:** 17'    **KB:** 4,434'  
**SPUD DATE:** 01/30/04    **COMPLETION DATE:** 06/04/04    1  
**COMMENTS:** API #: 30-015-33174

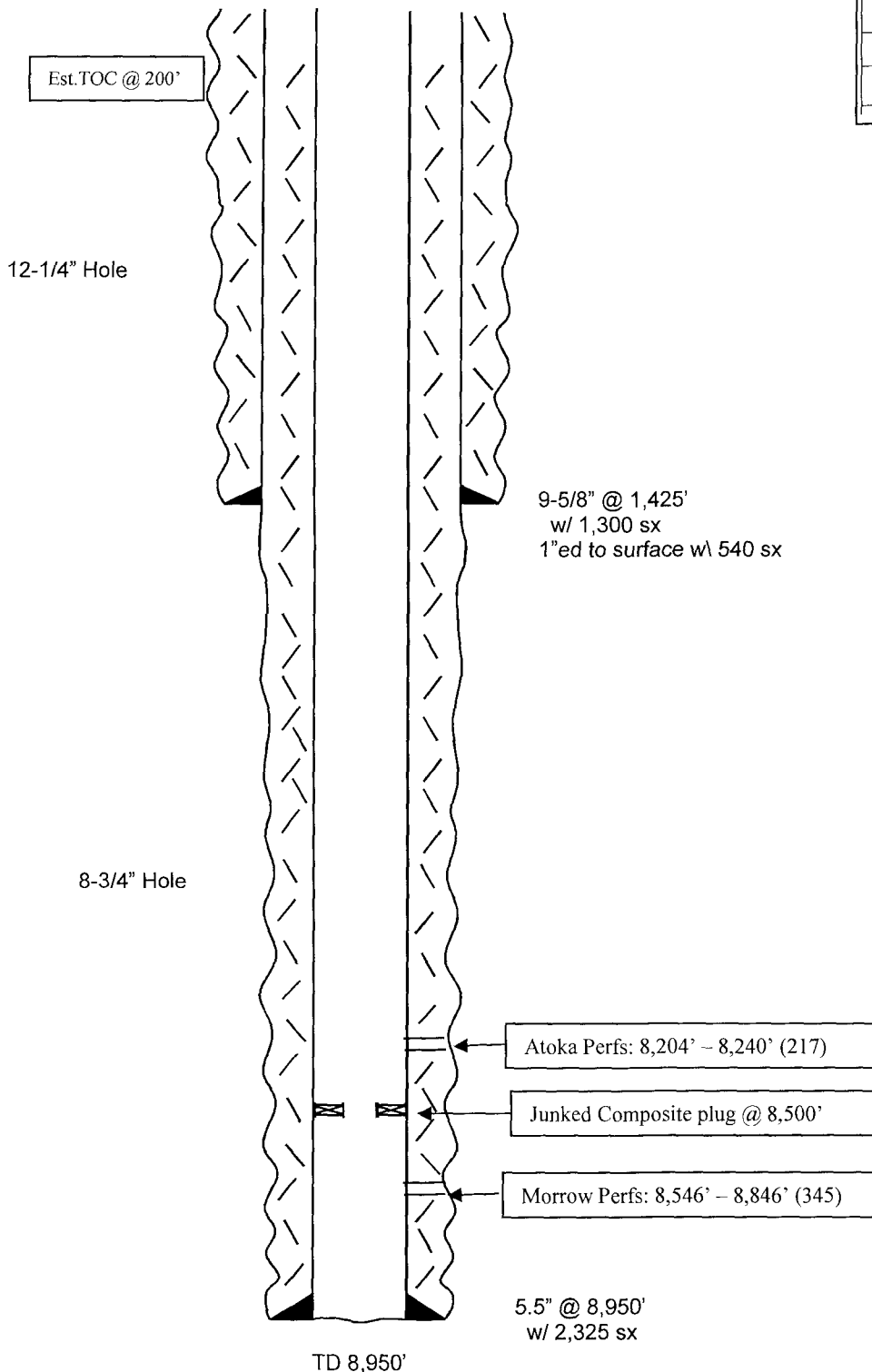
#### CASING PROGRAM

9-5/8" 36# J55 ST&C	1,425'
Top	
5.5" 17# J-55 172'	
5.5 15.5# J-55 6,381'	
5.5" 17# J-55 684'	
5.5" 17# P-110 1,731"	8,950'
Bottom	

Before

#### TOPS

San Andres	512'
Glorieta	2,215'
Abo	3,817'
Wolfcamp	5,274'
U. Penn	6,235'
Strawn	7,596'
Atoka	8,135'
Morrow	8,290'



Not to Scale  
 09/27/17  
 JMH

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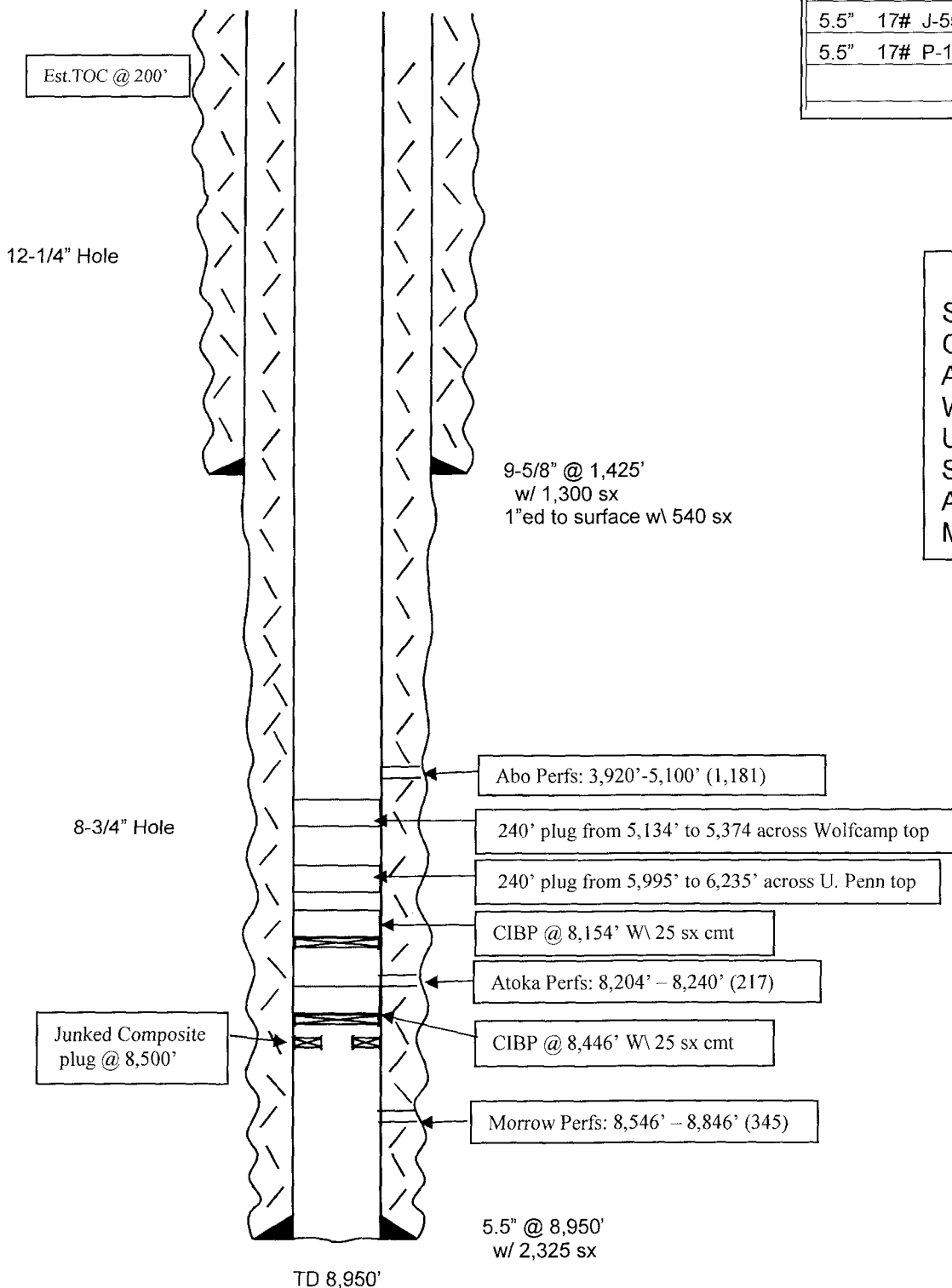
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 10/06/17  
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