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
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

NM OIL CONSERVATION
ARTESIA DISTRICT
OCT 17 2017
RECEIVED

Form C-101
Revised July 18, 2013

☒ AMENDED REPORT
2nd Revision

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

1. Operator Name and Address	2. OGRID Number
EOG Y Resources, Inc. 104 South Fourth Street Artesia, NM 88210	025575
	3. API Number 30-015-25272

4. Property Code	5. Property Name	6. Well No.
12591	New Mexico ES State Com	1

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
O	7	19S	24E		660	South	1980	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	Pool Code
Wildcat; Abo	98244

Additional Well Information

11. Work Type	12. Well Type	13. Cable/Rotary	14. Lease Type	15. Ground Level Elevation
P	O	N/A	S	3814'
16. Multiple	**17. Proposed Depth**	**18. Formation**	**19. Contractor**	**20. Spud Date**
N	N/A	Chester	N/A	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	17-1/2"	13-3/8"	54.5#	302'	765 sx (In Place)	0
Intermediate	12-1/4"	8-5/8"	24#	1718'	1000 sx (In Place)	0
Production	7-7/8"	5-1/2"	15.5#,17#,14#	8522'	1350 sx (In Place)	3940' (Temp Survey)

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 ☐ and/or 19.15.14.9 (B) NMAC ☐, if applicable.** Signature: Tina Huerta	OIL CONSERVATION DIVISION Approved By: Raymond M. Bokany
Printed name: Tina Huerta	Title: Geologist.
Title: Regulatory Specialist	Approved Date: 10-20-17 Expiration Date: 10-20-19
E-mail Address: tina_huerta@eogresources.com	
Date: October 19, 2017 Phone: (575) 748-4168	Conditions of Approval Attached

Amended Form C-101 continued (2nd revision):

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

1. MIRU WSU. ND Wellhead NU BOP. RU all H2S and safety equipment. POOH with the packer. Load the hole as necessary with fresh water.
2. Set a CIBP at 6094'. TIH with tubing to the CIBP and cap it with 25 sx Class "H" cement. Pull 5 stands and reverse circulate to clean out tubing. This will place a plug over open Wolfcamp perforations.
3. Set a 240' Class "C" cement plug across Wolfcamp top from 4963'-5203'.
4. WOC 8 hrs. Load the hole with treated water and pressure test the casing to 2000 psi. Pull a GR/CBL/CCL log to determine the TOC. Perforate 100' above the TOC at +/- 3900' and squeeze with 425 sx Class "C" cement. Test casing to 2000 psi.
5. Perforate Abo 3850'-4900' (225).
6. TIH with 10K packer, 2.25" profile nipple and 2.875" L-80 tubing. Set the packer at 60' above the top perf.
7. Swab the tubing dry. Breakdown the formation with treated water. Limit STP to 5000 psi. Monitor pressure decline until the surface pressure is 0 psi. Swab test and evaluate send samples to lab for analysis.
8. Acidize with 2000g 20% NEFE acid. Drop 105 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. Consider turning the well over to production, or if the decision to frac is made, POOH with packer and tubing. TIH with 10K packer, O/O tool, 2.25" profile nipple and 3.5" 9.3#/ft P-110 frac string. Loading the hole as necessary with treated water.
9. Pump a fracturing treatment down the 3.5" tubing at 38-40 BPM while limiting the surface treating pressure to less than 8600 psi. Put 2000 psi on the 3.5" X 5.5" annulus and monitor pressure during the treatment. A pop off valve should be installed on the annulus and set at 2,500 psi.

Treating Schedule

Stage Number	Stage	gal	Fluid	Prop Conc lb/gal	lb Proppant Stage	lb Proppant 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 = 5100 psig.
Maximum Surface Treating Pressure = 8600 psig.
Fluid Specifications: Fresh water with 0.8 to 1.2 Gal/M FR, biocide and scale inhibitor.
EOG will provide: 7 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 2.875" production tubing and jay back onto the packer and pull the blanking plug.
11. Swab the well in and turn over to Production.

Wellbore schematics attached

Regulatory Specialist
October 19, 2017

WELL NAME: NEW MEXICO ES STATE COM No. 1 **FIELD**: Wildcat Permo Penn

LOCATION: 660 FSL & 1980 FEL Sec 7-19S-24E Eddy County NM

GL: 3818' ZERO: 15' KB: 3833'

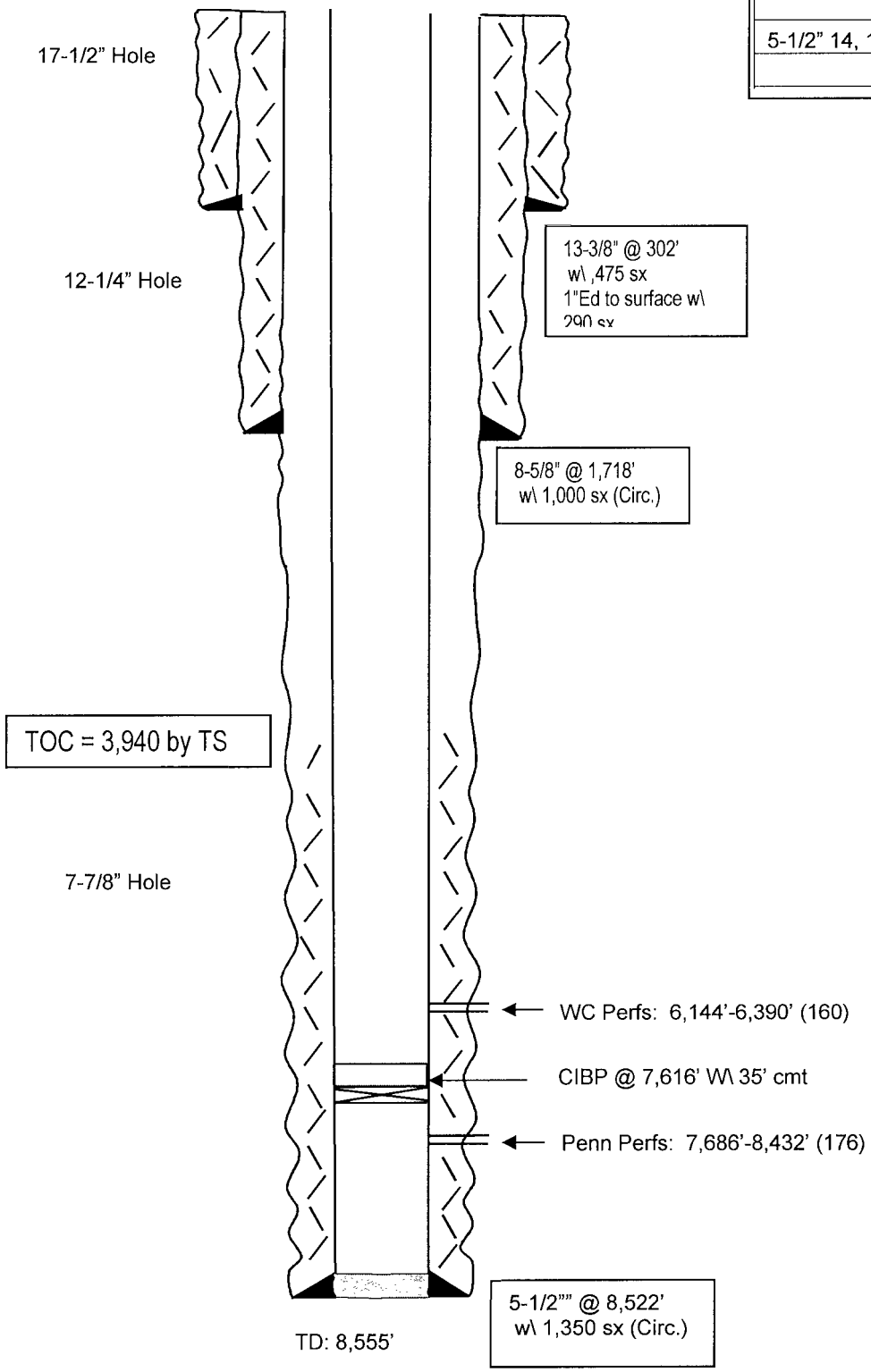
SPUD DATE: 6/19/85 COMPLETION DATE: 8/18/85

COMMENTS: API No.: 30-015-25272

CASING PROGRAM

13-3/8" 54#	**302'**
8-5/8" 24#	**1,718'**
5-1/2" 14, 15.5 14#	**8,522'**

Before



TOPS

San Andres	302'
Glorieta	1,690'
Yeso	1,722'
Tubb	3,038'
Abo	3,690'
Wolfcamp	5,083'
Canyon	7,025'
Strawn	7,634'
Atoka	7,963'
Morrow	8,356'

Not to Scale
09/25/17
JMH

Not to Scale
JMH 9-25-17

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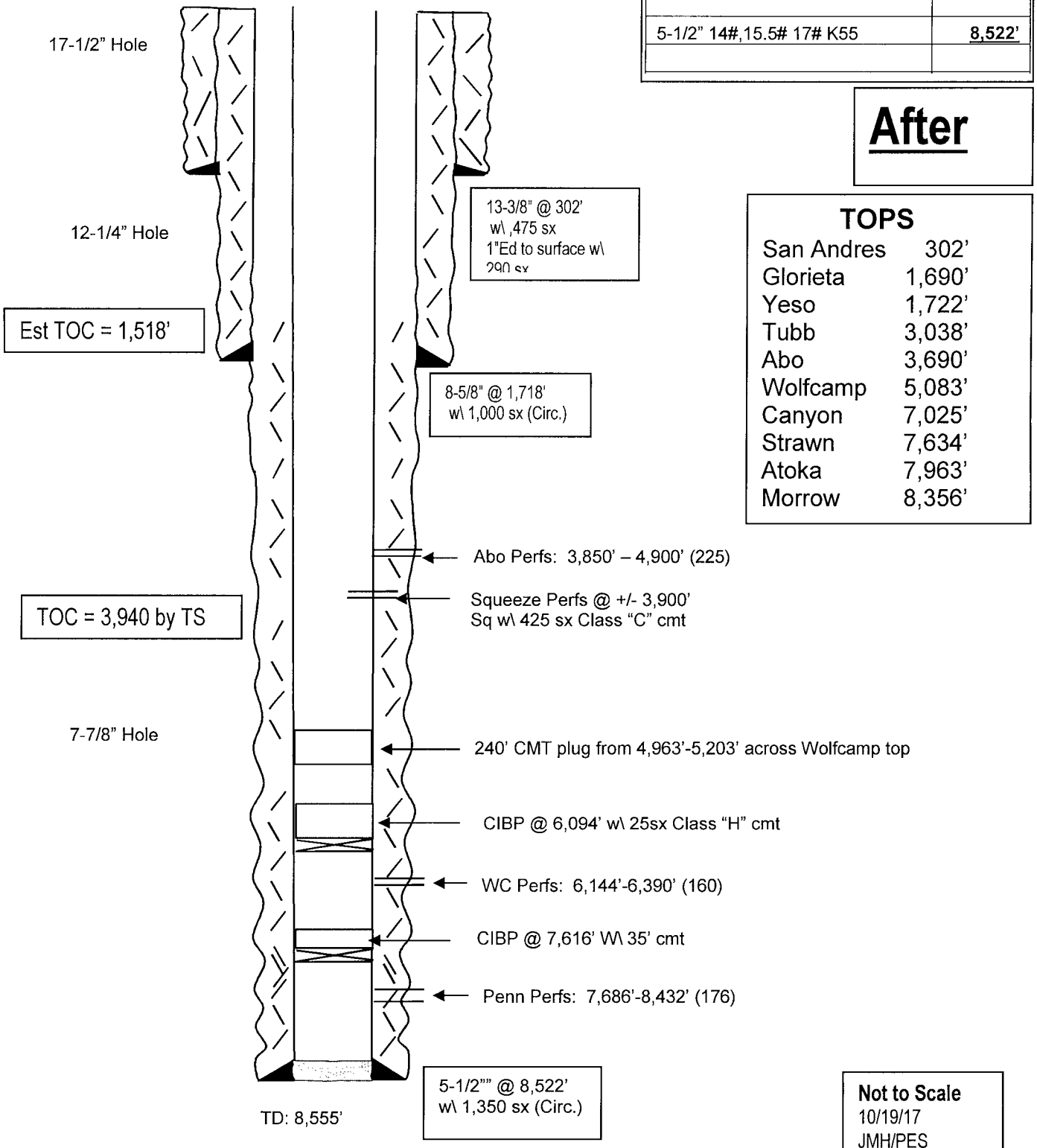
COMMENTS: API No.: 30-015-25272

CASING PROGRAM

13-3/8" 54.5# K55 BTS	**302'**
8-5/8" 24# K55 STC	**1,718'**
5-1/2" 14#,15.5# 17# K55	**8,522'**

After



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Not to Scale
10/19/17
JMH/PES