

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: (505) 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
NM OIL CONSERVATION
Energy Minerals and Natural Resources
ARTESIA DISTRICT
OCT 10 2017 Oil Conservation Division
1220 South St. Francis Dr.
RECEIVED Santa Fe, NM 87505

Form C-101
Revised July 18, 2013

☒ 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		² OGRID Number 025575
⁴ Property Code 12591		³ API Number 30-015-25272
⁵ Property Name New Mexico ES State Com		⁶ Well No. 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 Wildcat, Abo <i>WC-015-5192470 ABO</i>	Pool Code 98244
---	--------------------

Additional Well Information

¹¹ Work Type P	¹² Well Type O	¹³ Cable/Rotary N/A	¹⁴ Lease Type S	¹⁵ Ground Level Elevation 3814'
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	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*

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 W. Solano*
 Title: *Geologist*

Approved Date: *10-13-17*

Expiration Date: *10-13-19*

Conditions of Approval Attached

Amended Form C-101 continued:

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

1. MIRU all safety equipment as needed. NU BOP. POOH with the packer and tubing. Load hole as necessary with fresh water.
2. Set a CIBP at 6,094' with 25 sx of Class "H" cement on top. This will place a plug over open Wolfcamp perforations. No plug will be placed across Wolfcamp top as we are going to be testing right down to the Wolfcamp top.
3. WOC 8 hours. Load hole with treated water and pressure test casing to 2000 psi. Pull a GR/CBL/CCL to determine TOC. Perforate 100' above the TOC at +/- 3,900' and squeeze with 425 sx of Class "C" cement. Drill out cement and test casing to 2000 psi.
4. Perforate Abo 3800'-4676' (877).
5. TIH with packer and tubing. Set packer at 120' above the top perf.
6. Acidize with 5000g of 20% NEFE acid. Drop 50 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. If the decision to frac, POOH with packer and tubing. TIH with packer, profile nipple and frac string. Load hole as necessary with treated water.
7. MI RU frac valve and WSC to pump a fracturing treatment down the 3.5" tubing at 38-40 BPM while limiting the surface treating pressure to less than 8600 psi.

Treating Schedule

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 = 4564 psig.

Maximum Surface Treating Pressure = 8600 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.

8. 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.

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

Wellbore schematics attached



Regulatory Specialist
October 10, 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

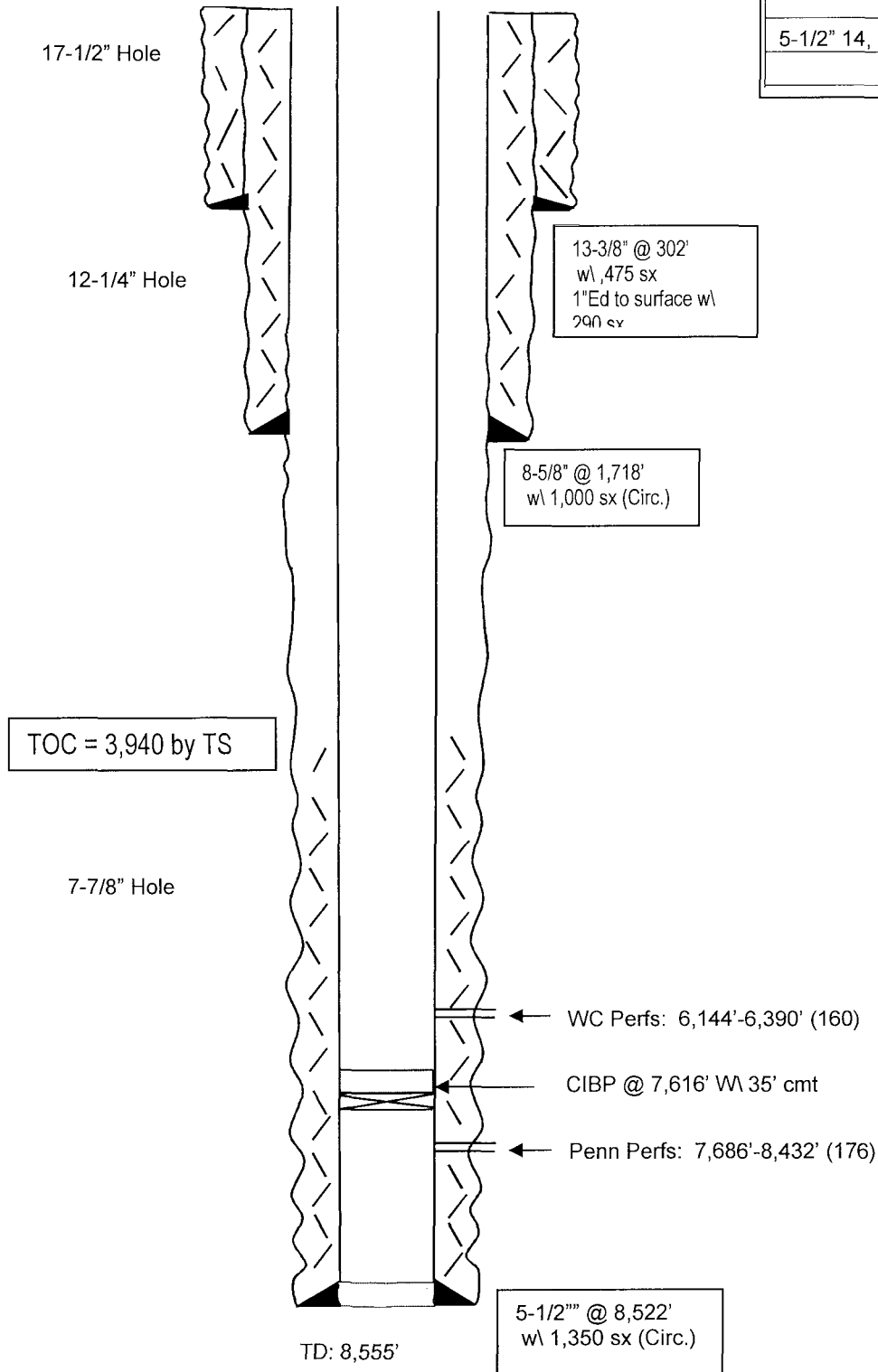
13-3/8" 54#	302'
8-5/8" 24#	1,718'
5-1/2" 14, 15.5 14#	8,522'

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

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

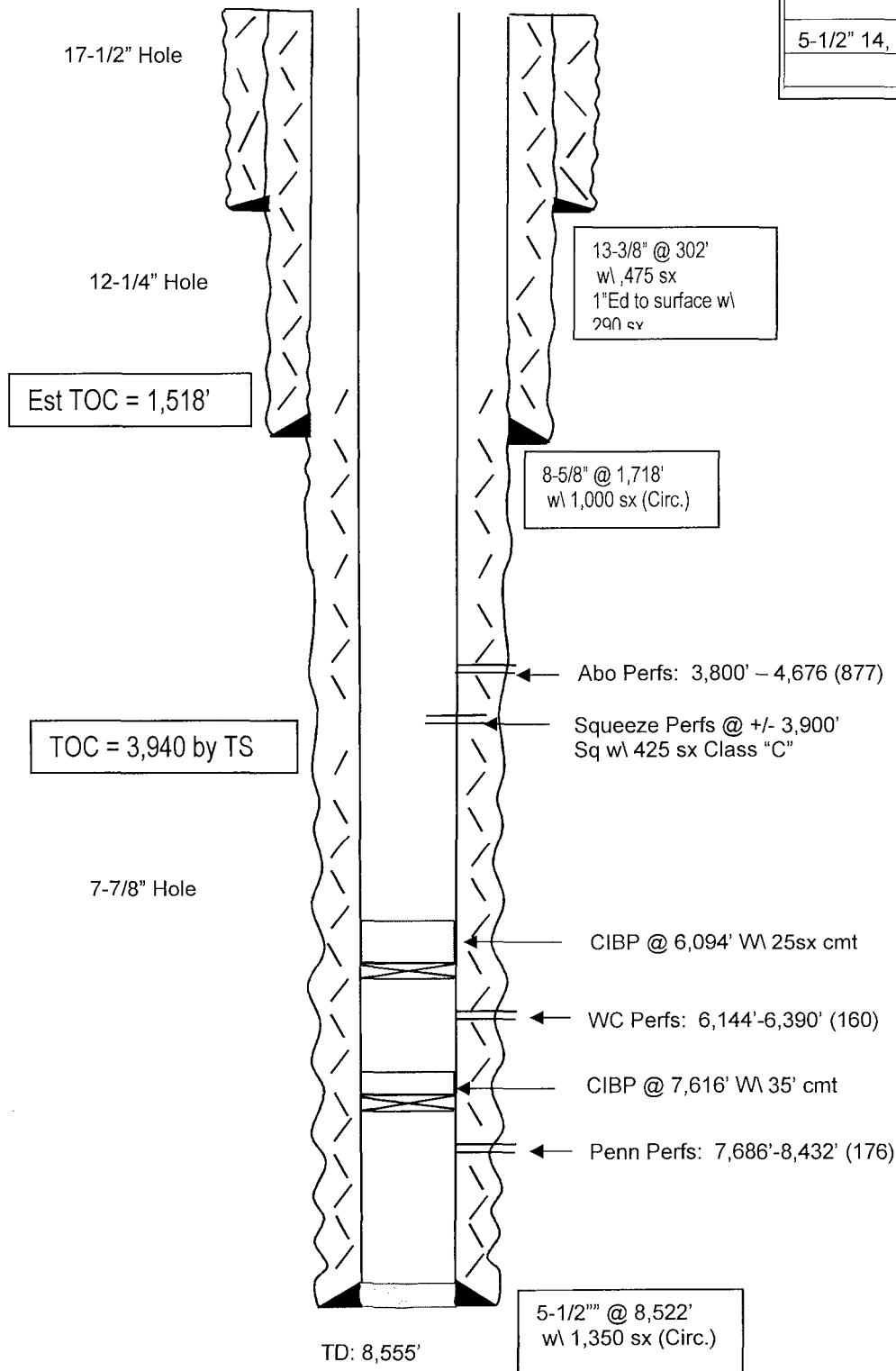
13-3/8" 54#	302'
8-5/8" 24#	1,718'
5-1/2" 14, 15.5 14#	8,522'

After

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 10-09-17