

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

Form C-101
Revised July 18, 2013

SEP 26 2017

☐ AMENDED REPORT

RECEIVED

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
		³ API Number 30-015-25272
⁴ Property Code 12591	⁵ Property Name New Mexico ES State Com	⁶ Well No.

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	Pool Code 98244 WC-015-5122970 Abo.
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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: September 25, 2017

Phone: (575) 748-4168

OIL CONSERVATION DIVISION

Approved By:

Title:

Approved Date: 9-27-17

Expiration Date: 9-27-19

Conditions of Approval Attached

Form C-101 continued:

EOG Y Resources, Inc. plans to plugback and recomple 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.
3. WOC 8 hours. Load hole with treated water and pressure test casing to 2,000 psi. Pull GR/CBL to determine TOC. Perforate 100' above the TOC at +/- 3,900' and squeeze with 425 sx of Class "C" cement. Test casing to 2000 psi.
4. Perforate Abo 3850'-3878' (29).
5. TIH with packer and tubing. Set packer at 120' above the top perf.
6. Acidize with 2,000g 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 5,000 psi. Swab, flow test and evaluate. Consider turning the well over to production. If the decision to frac, POOH with packer and tubing. Loading hole as necessary with treated water.
7. TIH with packer, tubing and 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

		lb Proppant					
Stage	Stage	gal	Fluid	Prop Conc	-----		
Number			lb/gal	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.

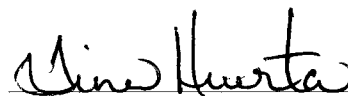
EOG will provide:

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

8. Flow test, 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 and turn over to production.

Wellbore schematics attached



Regulatory Specialist
September 25, 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

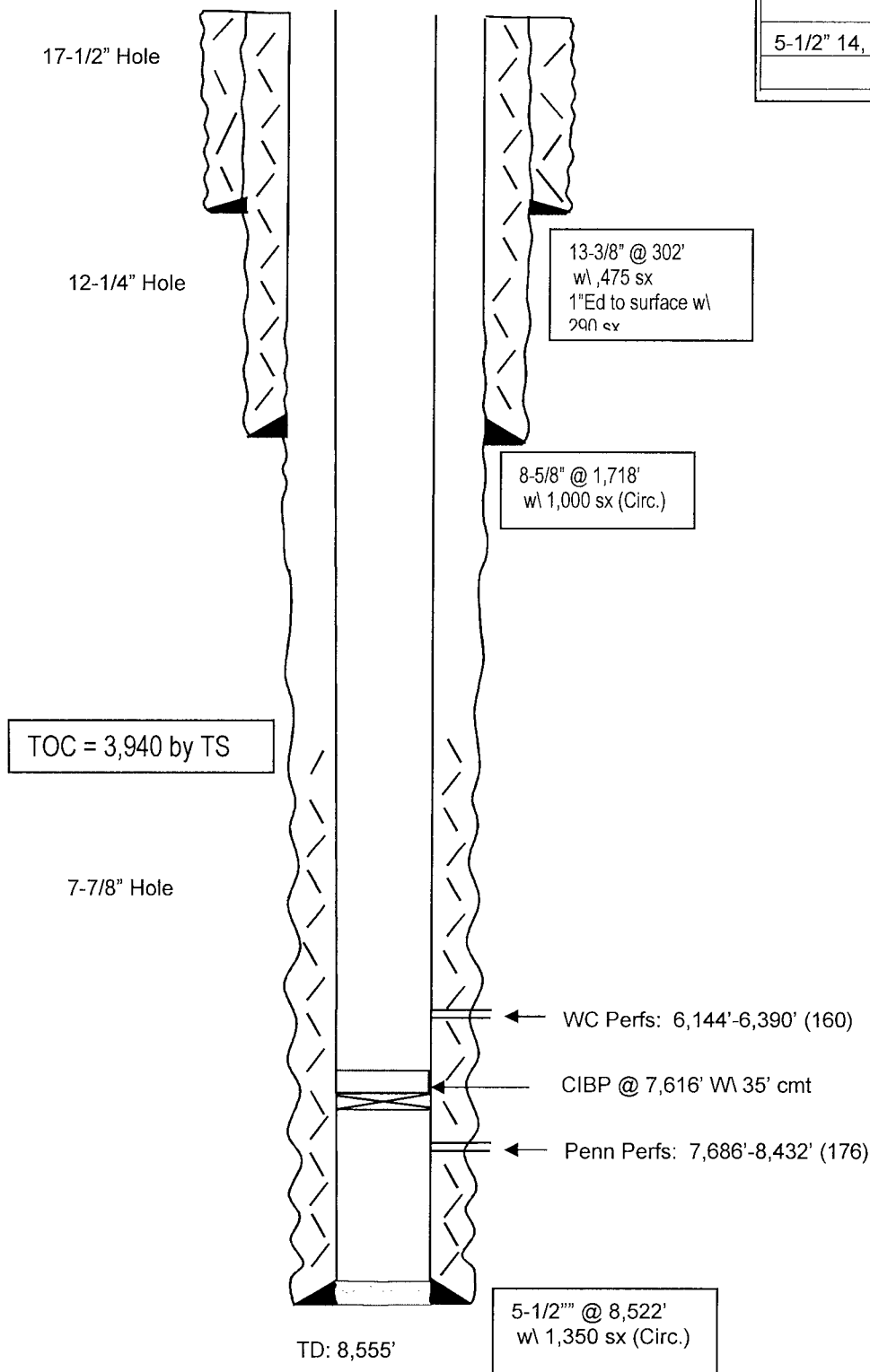
13-3/8" 54#	<u>302'</u>
8-5/8" 24#	<u>1,718'</u>
5-1/2" 14, 15.5 14#	<u>8,522'</u>

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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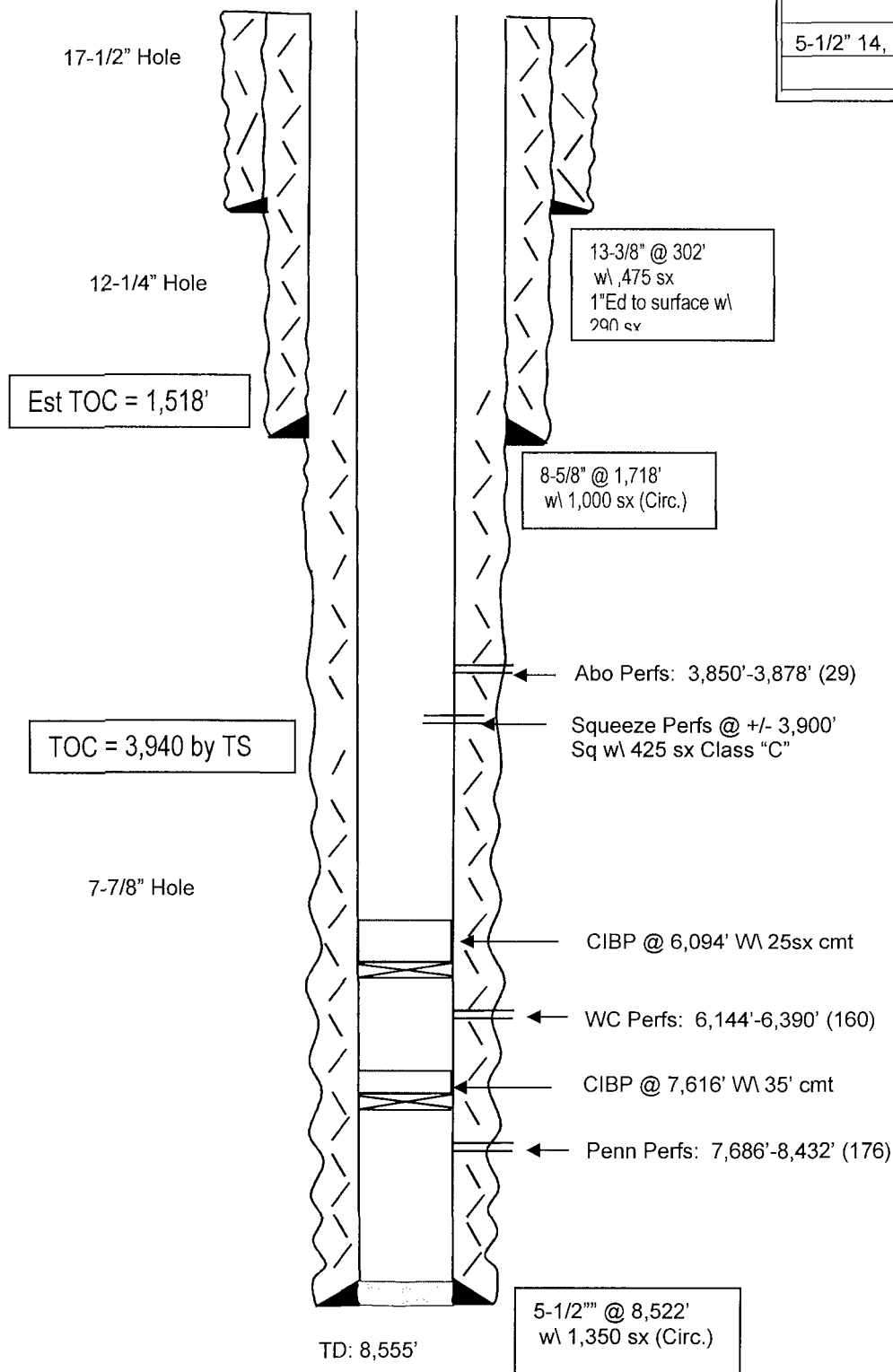
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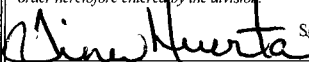
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<div>16</div>				<div>17</div> <div>OPERATOR CERTIFICATION</div> <div>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased 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.</div> <div><div></div><div>September 25, 2017</div></div> <div><div>Signature</div><div>Date</div></div> <div><div>Tina Huerta</div><div>Printed Name</div></div> <div><div>tina.huerta@ecogresources.com</div><div>E-mail Address</div></div>
				<div>18</div> <div>SURVEYOR CERTIFICATION</div> <div>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.</div> <div><div>Date of Survey</div><div>Signature and Seal of Professional Surveyor:</div></div>
		<div>660'S</div>	<div>1480'E</div>	<div>Certificate Number</div>