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

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	2. OGRID Number
EOG Y Resources, Inc. 104 South Fourth Street Artesia, NM 88210	025575
	3. API Number 30-015-22329

4. Property Code	5. Property Name	6. Well No.
39422	Siegenthaler 1S	1

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
I	21	17S	26E		1980	South	660	East	Eddy

358. 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
Kennedy Farms; Upper Penn	79525

Additional Well Information

11. Work Type	12. Well Type	13. Cable/Rotary	14. Lease Type	15. Ground Level Elevation
P	G	N/A	P	3362'
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"	61#	460'	340 sx (In Place)	0
Intermediate	12-1/4"	9-5/8"	32.3#	1420'	1025 sx (In Place)	0
Production	7-7/8"	5-1/2"	15.5# & 17#	8647'	335 sx (In Place)	7014' TS

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 R. Podany
Printed name: Tina Huerta	Title: Geologist
Title: Regulatory Specialist	Approved Date: 8-1-18 Expiration Date: 8-1-20
E-mail Address: tina_huerta@eogresources.com	
Date: July 30, 2018 Phone: (575) 748-4168	Conditions of Approval Attached

Form C-101 continued:

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

1. MIRU all safety equipment. NU BOP. POOH with the packer. Load the hole as necessary with treated water. RIH to recover the second packer loading the hole as necessary with treated water.
2. Set a CIBP at 8354' and cap it with 35' of class "H" cement on top. This will cover the open Morrow perfs.
3. Set a CIBP at 8144' and cap it with 35' of class "H" cement on top. This will cover the open Atoka perfs.
4. Set a CIBP at 7388' and cap it with 35' of class "H" cement on top. This will cover Canyon top. Pressure test the casing to 1500 psi. Pull a radial bond log from PBTD to 1500' past the top of cement.
5. Perforate Cisco 7176'-7194' (21) with 2 JSPF, 180 degree phasing and 0.42" deep penetrating charges.
6. TIH with packer and set.
7. Spot acid across the perfs and acidize with 1000g 15% NEFE acid. Flush to the bottom perf with treated water. Treat at the low rate 0.5 BPM.
8. Swab test and evaluate, consider turning the well over to the production department.
9. POOH with all tools. Depending on TOC and if necessary squeeze perforations will be shot 50' above the top of cement, circulation will be established up the 9-5/8" X 5-1/2" annulus and cement will be placed up to at least 6488'. This is 500' above the top proposed perforation. A new CBL will be pulled to verify the new TOC.
10. Perforate Cisco 6988'-6994' (13) with 2 JSPF, 180 degree phasing and 0.42" deep penetrating charges.
11. TIH with packer and RBP straddle 6988'- 6994' and break down the perforations with 1000g 15% NEFE acid. POOH with packer and RBP.
12. TIH and treating packer w\ 1.87" profile and O/O tool and 2.875" frac string. Acidize both zones together with 2500g 15% NEFE acid.
13. Fracture via the 2.875" tubing using the following schedule.

Treating Schedule

Stage Number	gal	Prop Conc lb/gal	lbs Proppant Stage	lbs Proppant Cumulative	Proppant Type
1	20000.	0.00	0.	0.	---
2	5000.	0.50	2500.	2500.	100 Mesh
3	2500	0.00	0.	2500.	---
4	5000.	1.00	5000.	7500.	100 Mesh
5	2500	0.00	0.	7500.	---
6	5000.	1.50	7500.	15000.	100 Mesh
7	2500	0.00	0.	15000.	---
8	5000.	2.00	10000.	25000.	100 Mesh
9	2500	0.00	0.	25000.	---
10	5000.	2.50	12500.	37500.	100 Mesh
11	+/-1400.	0.00	0.	37500.	----

Estimated Surface Treating Pressure @ 12 BPM = 4100 psig.
Fluid Specifications: Slickwater 0.8 to 1 gpt FR, 0.25 gpt biocide and 0.25 gpt scale inhibitor. Inject chemicals into the suction side of the down hole blender. When the sand fall to 0.1 ppg at the inline call flush. Flush to the bottom perf and over flush be 10 bbls.

EOG furnish: 4 clean frac tank with 480 bbls of fresh water in each tank and 100 mesh sand.

14. Flow test and evaluate, run production equipment.

Wellbore schematics attached

Regulatory Specialist
July 30, 2018

WELL NAME: SIEGENTHALER IS No. 001 **FIELD**: Kennedy Farms

LOCATION: 1980 FSL & 660 FEL of Sec. 21-17S-26E Eddy Co., NM

GL: 3,362' **ZERO**: 13' **KB**: 3,375'

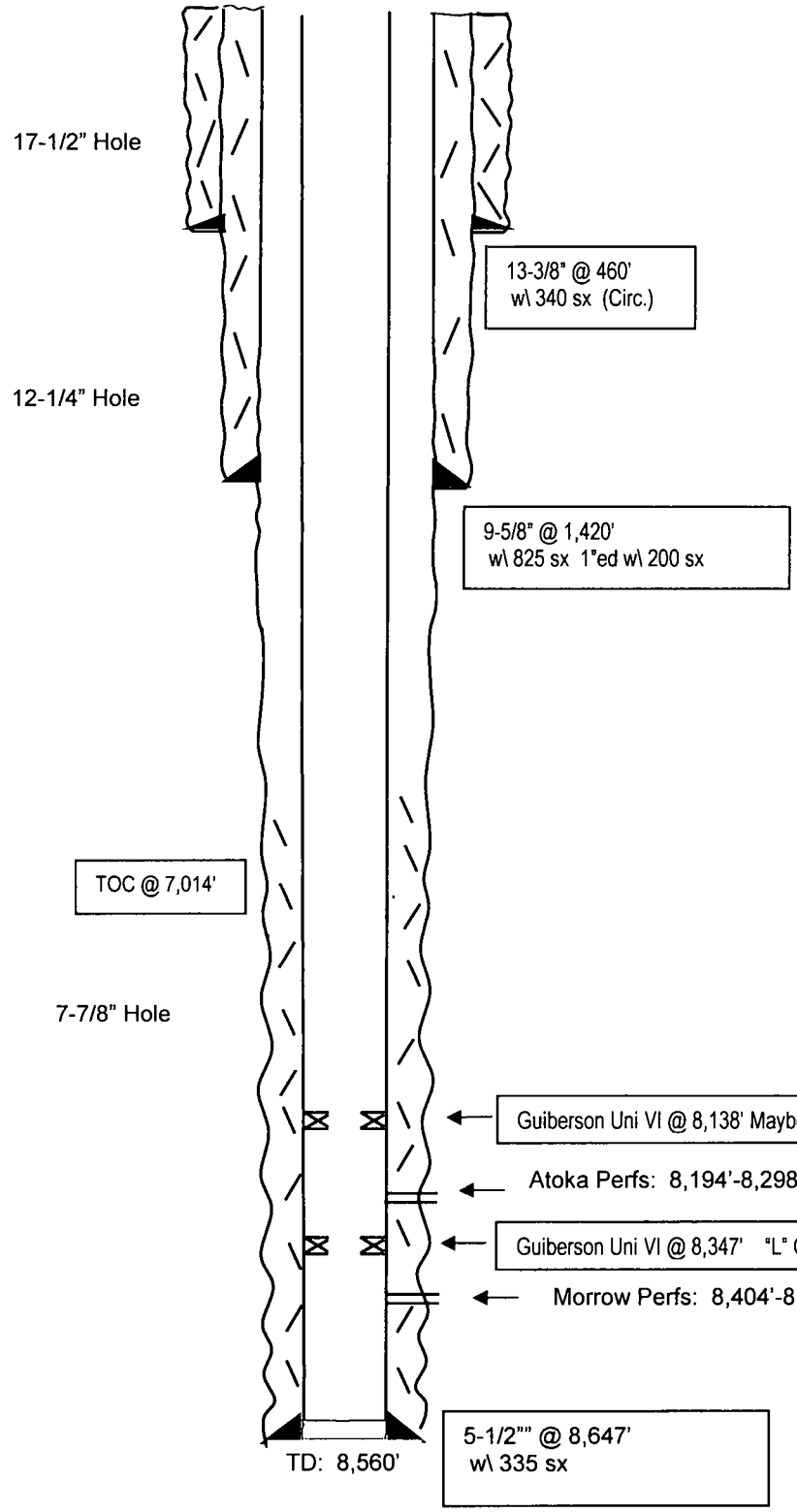
SPUD DATE: 11/07/77 **COMPLETION DATE**: 12/15/77

COMMENTS: API No.: 30-015-22329

CASING PROGRAM

13-3/8" 61# K-55	**460'**
9-5/8" 32.3# J-55	**1,420'**
5-1/2" 15.5 & 17# LT&C	**8,647'**

Before



TOPS

San Andres	970'
Glorieta	2,350'
Abo	4,398'
WC	5,530'
Penn	6,514'
LCanyon	7,388'
Strawn	7,820'
Atoka	8,180'
Morrow CL	8,403'
Chester	8,625'

Not to Scale
07/17/18
JMH

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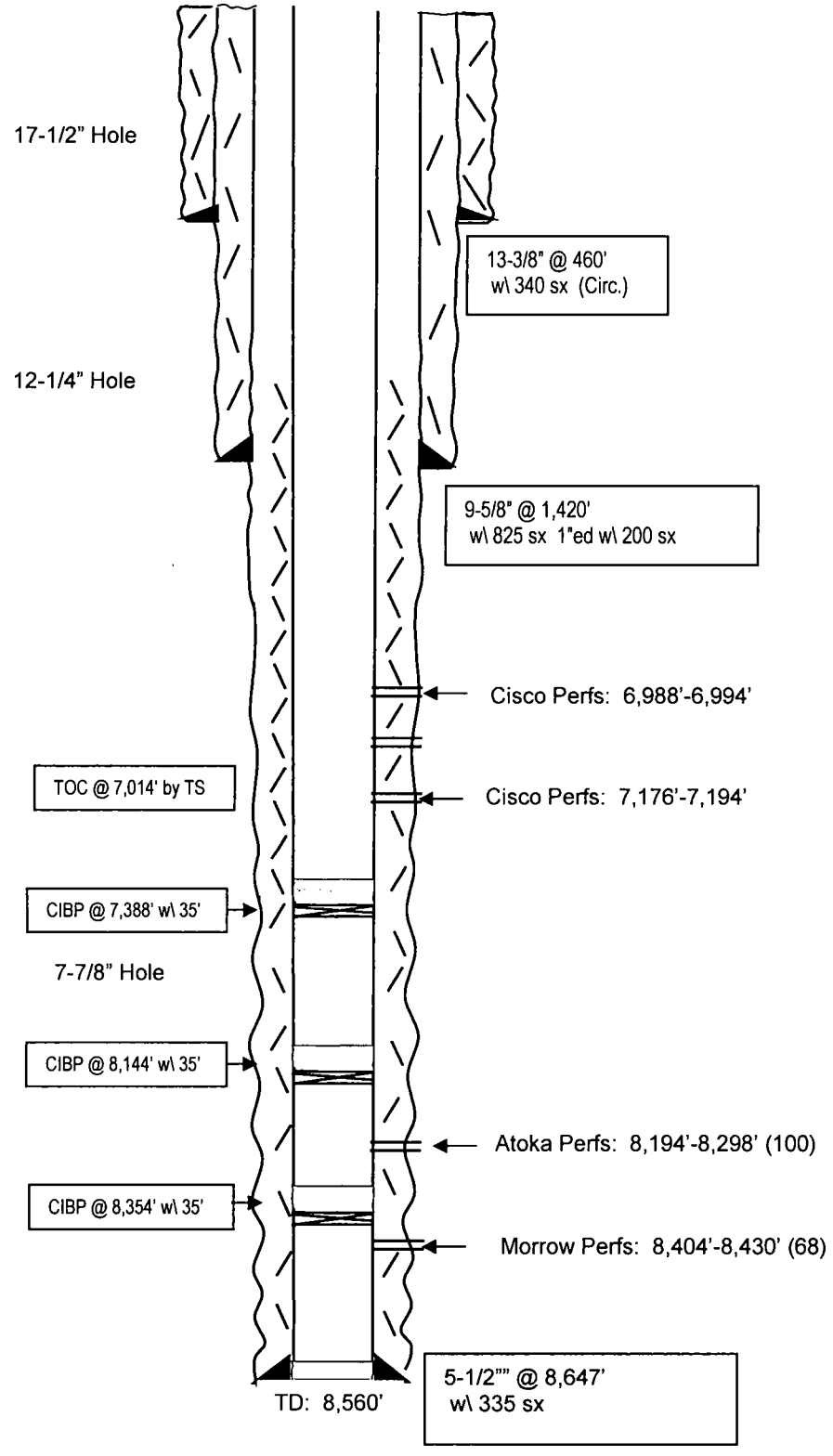

Not to Scale
07/17/18
JMH