

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) 476-3461

State of New Mexico

Form C-101
Revised July 18, 2013

RECEIVED

Energy Minerals and Natural Resources

Oil Conservation Division

☐ AMENDED REPORT

JUN 08 2018

1220 South St. Francis Dr.

Santa Fe, NM 87505

DISTRICT II-ARTESIA O.C.D.

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 30-015-23716
⁴ Property Code 12175	⁵ Property Name Davis NC Com	⁶ Well No. 2

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
L	11	19S	24E		1980	South	660	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

Pool Name Wildcat; Canyon	Pool Code <i>Penasco Draw 4P. Penn.</i>	<i>50280</i>
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Additional Well Information

¹¹ Work Type P	¹² Well Type G	¹³ Cable/Rotary N/A	¹⁴ Lease Type P	¹⁵ Ground Level Elevation 3636'
¹⁶ Multiple N	¹⁷ Proposed Depth N/A	¹⁸ Formation Mississippian	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#	400'	400 sx (In Place)	0
Intermediate	12-1/4"	8-5/8"	24#	1100'	1865 sx (In Place)	0
Production	7-7/8"	5-1/2"	17#	9969'	1135 sx (In Place)	0

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: June 5, 2018

Phone: (575) 748-4168

OIL CONSERVATION DIVISION

Approved By:

Raymond W. Rodary

Title: *Geology 31*

Approved Date: *6-14-18*

Expiration Date: *6-14-20*

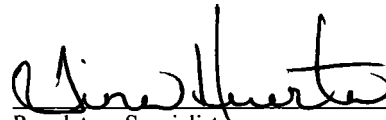
Conditions of Approval Attached

C-101 continued:

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

1. MIRU all safety equipment as needed. NU BOP. POOH with the packer and tubing. Load hole as necessary with treated water.
2. Set a CIBP at 8600' with 25 sx Class "C" cement on top. This will cover open Morrow perforations and top of Morrow.
3. Spot a 100' (25 sx) Class "C" cement plug from 8106'-8206'. This will place a plug across DV tool.
4. Perforate Canyon 7518'-7530' (23) with 1 JSPF, 90 degree phasing and 0.42" deep penetrating charges.
5. Acidize with 3000g 15% NEFE acid. Flush to the bottom perf with treated water. Swab back load.
6. TIH with production equipment and turn well over to production.

Wellbore schematics attached

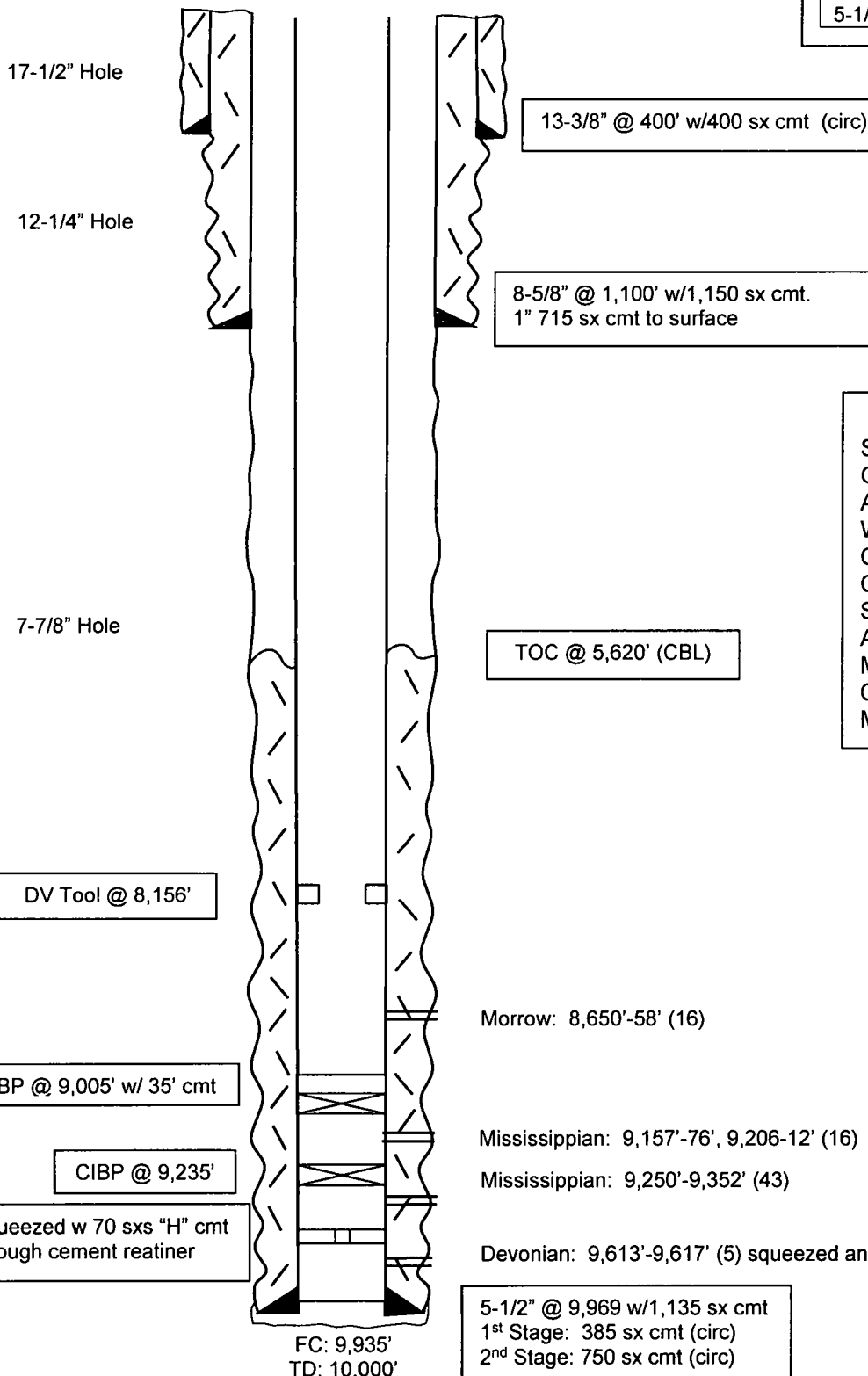

Regulatory Specialist
June 5, 2018

WELL NAME: Davis NC Com #2 **FIELD:** Boyd, Morrow (Gas)
LOCATION: 1,980' FSL & 660' FWL of Section 11-19S-24E Eddy Co., NM
GL: _____ **ZERO:** _____ **KB:** _____
SPUD DATE: 04-15-1981 **COMPLETION DATE:** 01-13-1982
COMMENTS: API No: 30-015-23716

CASING PROGRAM

13-3/8" 54.50# K-55	400'
8-5/8" 24# K-55 ST&C	1,100'
5-1/2" 17# k-55 & N-80 LT&C	9,969'

Before



Formation tops

San Andres	445'
Glorieta	1,797'
Abo	3,816'
Wolfcamp LS	5,046'
Cisco	6,266'
Canyon Lower	7,367'
Strawn	8,013'
Atoka	8,362'
Morrow Clastics	8,629'
Chester	8,869'
Mississippian LS	9,014'

Not to Scale
 5/29/18
 MFH

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5-1/2" 17# k-55 & N-80 LT&C	9,969'

17-1/2" Hole

12-1/4" Hole

7-7/8" Hole

13-3/8" @ 400' w/400 sx cmt (circ)

8-5/8" @ 1,100' w/1,150 sx cmt.
1" 715 sx cmt to surface**After****Formation tops**

San Andres	445'
Glorieta	1,797'
Abo	3,816'
Wolfcamp LS	5,046'
Cisco	6,266'
Canyon Lower	7,367'
Strawn	8,013'
Atoka	8,362'
Morrow Clastics	8,629'
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Mississippian LS	9,014'

TOC @ 5,620' (CBL)

Canyon Lm: 7,518'-30' (23)

100' (25 sxs) cmt plug
8,106'-8,206'

DV Tool @ 8,156'

CIBP @ 8,600' w/25 sxs cmt

Morrow: 8,650'-58' (16)

CIBP @ 9,005' w/ 35' cmt

Mississippian: 9,157'-76', 9,206'-12' (16)

CIBP @ 9,235'

Mississippian: 9,250'-9,352' (43)

Squeezed w 70 sxs "H" cmt
through cement reatiner

Devonian: 9,613'-9,617' (5) squeezed and under a cmt retainer

FC: 9,935'
TD: 10,000'5-1/2" @ 9,969 w/1,135 sx cmt
1st Stage: 385 sx cmt
2nd Stage: 750 sx cmt**Not to Scale**
5/29/18
MFH