

Submit a Copy To Appropriate District

Office  
 District I – (575) 393-6161  
 1625 N. French Dr., Hobbs, NM 88240  
 District II – (575) 748-1283  
 811 S. First St., Artesia, NM 88210  
 District III – (505) 334-6178  
 1000 Rio Brazos Rd., Aztec, NM 87410  
 District IV – (505) 476-3460  
 1220 S. St. Francis Dr., Santa Fe, NM  
 87505

State of New Mexico  
 Energy, Minerals and Natural Resources

Form C-103  
 Revised July 18, 2013

OIL CONSERVATION DIVISION  
 1220 South St. Francis Dr.  
 Santa Fe, NM 87505

WELL API NO. 30-025-49691
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No. 331180
7. Lease Name or Unit Agreement Name Grace 16 State Com
8. Well Number 901H
9. OGRID Number 7377
10. Pool name or Wildcat 13320 Corbin; Wolfcamp, South

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)	
1. Type of Well: Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/>	
2. Name of Operator EOG Resources, Inc.	
3. Address of Operator P.O. Box 2267, Midland, Texas 79702	
4. Well Location Unit Letter <u>P</u> : <u>870</u> feet from the <u>South</u> line and <u>391</u> feet from the East line Section <u>16</u> <u>18S</u> Township <u>33E</u> Range <u>NMNM</u> <u>Lee</u> County	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3869' GR	

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input checked="" type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	P AND A <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	MULTIPLE COMPL <input type="checkbox"/>	CASING/CEMENT JOB <input type="checkbox"/>	
DOWNHOLE COMMINGLE <input type="checkbox"/>			
CLOSED-LOOP SYSTEM <input type="checkbox"/>			
OTHER: <input type="checkbox"/>		OTHER: <input type="checkbox"/>	

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

EOG respectfully requests an amendment to our approved APD for this well to reflect the following changes:

Update casing and cement program to allow a dual casing design.

Spud Date:

Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE \_\_\_\_\_ TITLE Sr Regulatory Specialist DATE 1/27/2022

Type or print name Star Harrell E-mail address: star\_harrell@eogresources.com PHONE: 432-848-9161

**For State Use Only**

APPROVED BY: \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

Conditions of Approval (if any):

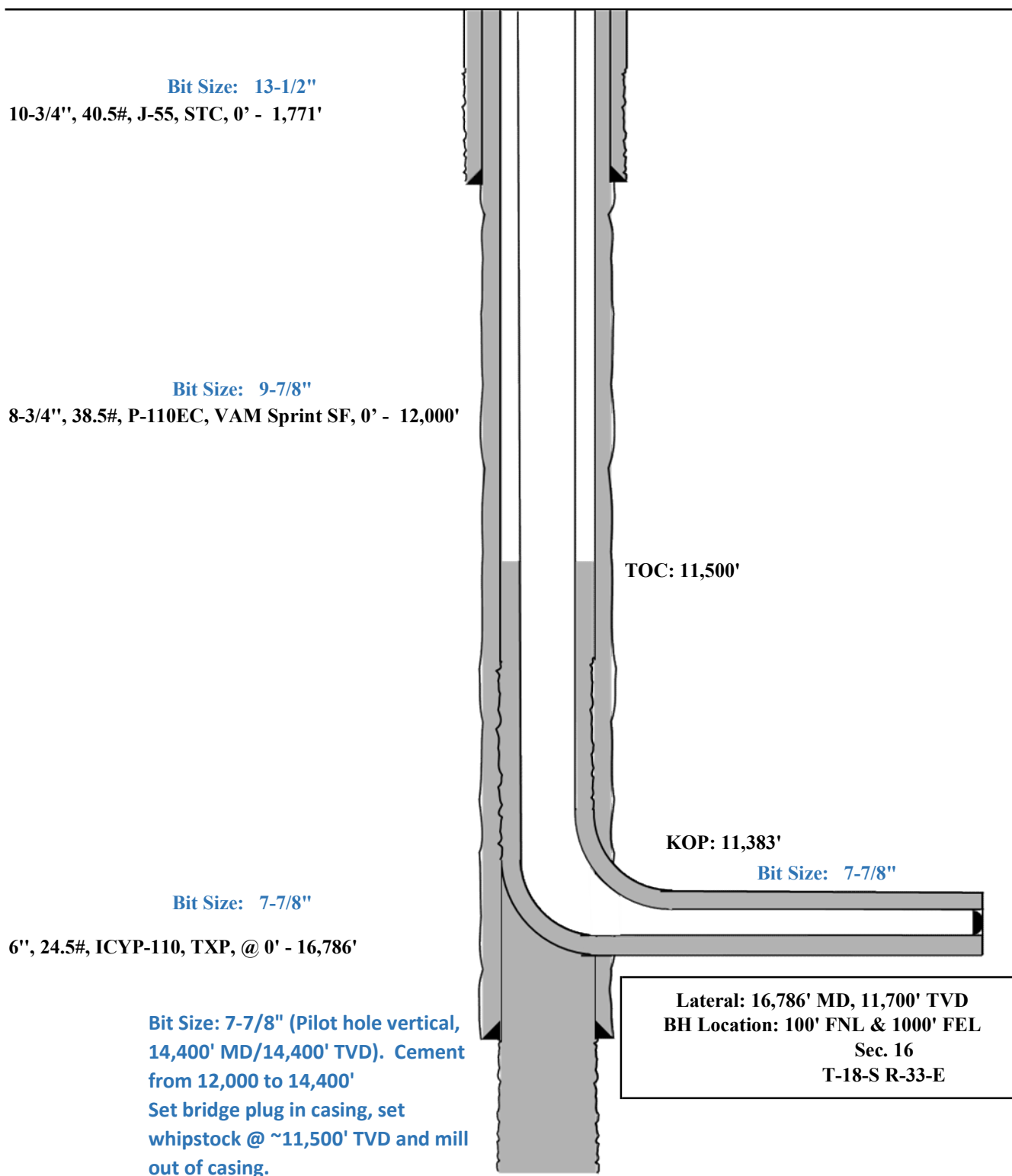


Grace 16 State Com #901H  
Lea County, New Mexico  
Proposed Wellbore  
Design A

870' FSL  
391' FEL  
Section 16  
T-18-S, R-33-E

KB: 3894'  
GL: 3869'

API: 30-025-49691





## Grace 16 State Com #901H Permit

### Information:

Well Name: Grace 16 State Com Template #901H

### Location:

SHL: 870' FSL & 391' FEL, Section 16, T-18-S, R-33-E, Lea Co., N.M.

BHL: 100' FNL & 1000' FEL, Section 16, T-18-S, R-33-E, Lea Co., N.M.

### Design A

### Casing Program:

Hole Size	Interval	Csg OD	Weight	Grade	Conn	DFmin Collapse	DFmin Burst	DFmin Tension
13.5"	0' - 1,771'	10.75"	40.5#	J-55	STC	1.125	1.25	1.6
9.875"	0' - 12,000'	8.75"	38.5#	P-110EC	VAM Sprint SF	1.125	1.25	1.6
7.875"	0' - 16,786'	6"	24.5#	ICYP-110	TXP	1.125	1.25	1.6

### Cement Program:

Depth	No. Sacks	Wt. ppg	Yld Ft3/sk	Slurry Description
1,771'	500	13.5	1.73	Class C + 4.0% Bentonite + 0.6% CD-32 + 0.5% CaCl <sub>2</sub> + 0.25 lb/sk Cello-Flake (TOC @ Surface)
	90	14.8	1.34	Class C + 0.6% FL-62 + 0.25 lb/sk Cello-Flake + 0.2% Sodium Metasilicate
12,000'	860	14.2	1.11	1st Stage (Tail): Class C + 5% Salt (TOC @ 5,509')
	1080	14.8	1.5	2nd Stage (Bradenhead squeeze): Class C + 3% Salt + 1% PreMag-M + 6% Bentonite Gel (TOC @ surface)
14,400' 7-7/8" Pilot Hole	853	15.6	1.19	Plug: Class H + 0.4% Halad-344 + 0.35% HR-601 + 3% Microbond (TOC @ 4,789')
16,786'	800	14.2	1.31	Class H + 0.1% C-20 + 0.05% CSA-1000 + 0.20% C-49 + 0.40% C-17 (TOC @ 11,500')

### Mud Program:

Depth	Type	Weight (ppg)	Viscosity	Water Loss
0 - 1,771'	Fresh - Gel	8.6-8.8	28-34	N/c
1,771' - 12,000'	Brine	10.0-10.2	28-34	N/c
12,000' - 11,383'	Oil Base	8.7-9.4	58-68	N/c - 6
11,383' - 16,786' Lateral	Oil Base	10.0-14.0	58-68	4 - 6
11,383' - 14,400' Pilot Hole	Oil Base	10.0-14.0	58-68	4 - 6

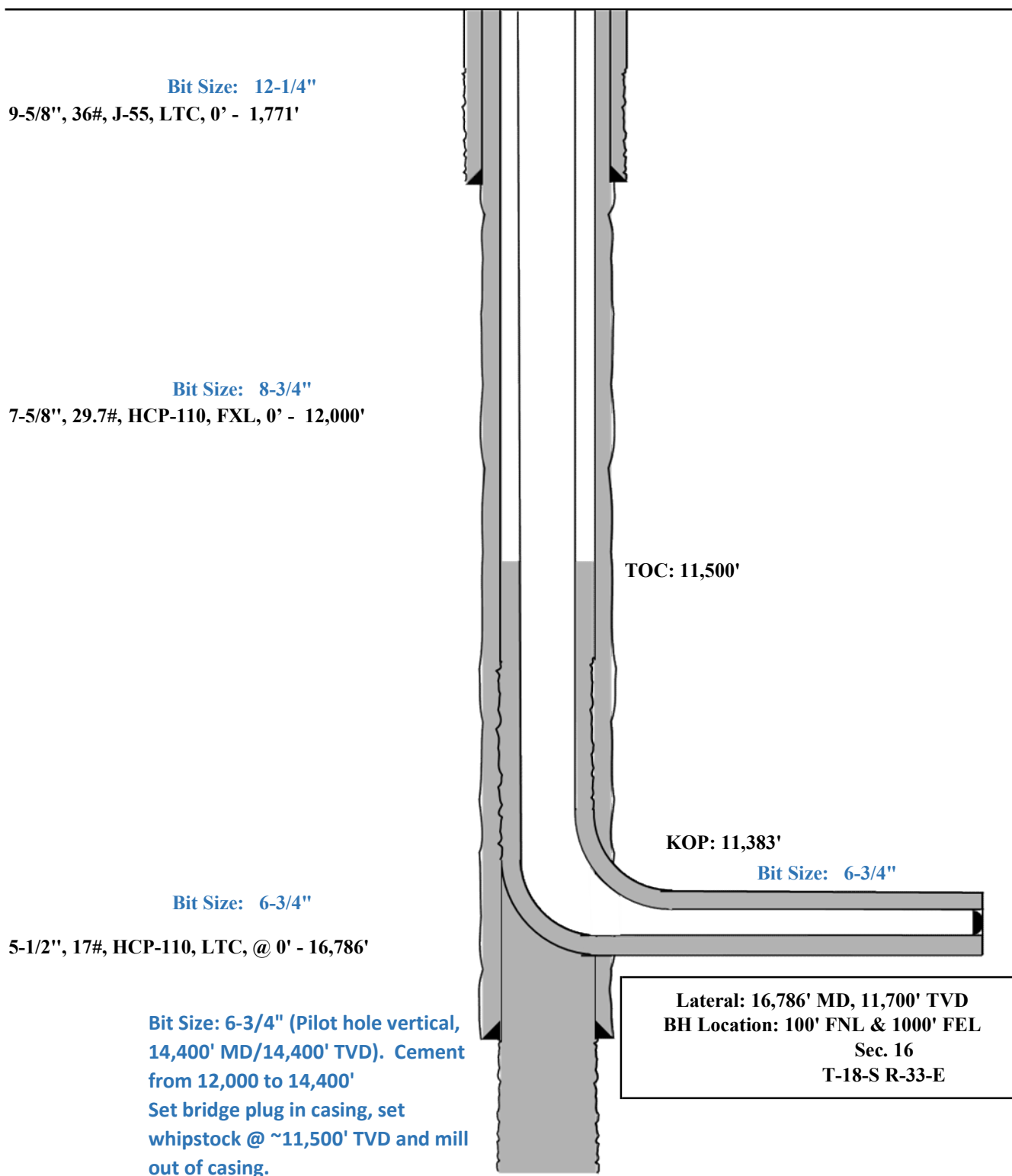


Grace 16 State Com #901H  
Lea County, New Mexico  
Proposed Wellbore  
Design B

870' FSL  
391' FEL  
Section 16  
T-18-S, R-33-E

KB: 3894'  
GL: 3869'

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## Grace 16 State Com #901H

**Permit Information:**

Well Name: Grace 16 State Com #901H

## Location:

SHL: 870' FSL &amp; 391' FEL, Section 16, T-18-S, R-33-E, Lea Co., N.M.

BHL: 100' FNL &amp; 1000' FEL, Section 16, T-18-S, R-33-E, Lea Co., N.M.

**Design B****Casing Program:**

Hole Size	Interval	Csg OD	Weight	Grade	Conn	DFmin Collapse	DFmin Burst	Dfmin Tension
12.25"	0' - 1,771'	9.625"	36#	J-55	LTC	1.125	1.25	1.6
8.75"	0' - 12,000'	7.625"	29.7#	HCP-110	FXL	1.125	1.25	1.6
6.75"	0' - 16,786'	5.5"	17#	HCP-110	LTC	1.125	1.25	1.6

**Cement Program:**

Depth	No. Sacks	Wt. ppg	Yld Ft3/sk	Slurry Description
1,771'	460	13.5	1.73	Class C + 4.0% Bentonite + 0.6% CD-32 + 0.5% CaCl <sub>2</sub> + 0.25 lb/sk Cello-Flake (TOC @ Surface)
	80	14.8	1.34	Class C + 0.6% FL-62 + 0.25 lb/sk Cello-Flake + 0.2% Sodium Metasilicate
12,000'	750	14.2	1.11	1st Stage (Tail): Class C + 5% Salt (TOC @ 5,509')
	1000	14.8	1.5	2nd Stage (Bradenhead squeeze): Class C + 3% Salt + 1% PreMag-M + 6% Bentonite Gel (TOC @ surface)
14,400' 6-3/4" Pilot Hole	626	15.6	1.19	Plug: Class H + 0.4% Halad-344 + 0.35% HR-601 + 3% Microbond (TOC @ 4,789')
16,786'	490	14.2	1.31	Class H + 0.1% C-20 + 0.05% CSA-1000 + 0.20% C-49 + 0.40% C-17 (TOC @ 11,500')

**Mud Program:**

Depth	Type	Weight (ppg)	Viscosity	Water Loss
0 - 1,771'	Fresh - Gel	8.6-8.8	28-34	N/c
1,771' - 12,000'	Brine	10.0-10.2	28-34	N/c
12,000' - 11,383'	Oil Base	8.7-9.4	58-68	N/c - 6
11,383' - 16,786' Lateral	Oil Base	10.0-14.0	58-68	4 - 6
11,383' - 14,400' Pilot Hole	Oil Base	10.0-14.0	58-68	4 - 6



## Grace 16 State Com #901H

**Hydrogen Sulfide Plan Summary**

A. All personnel shall receive proper H<sub>2</sub>S training in accordance with Onshore Order III.C.3.a.

B. Briefing Area: two perpendicular areas will be designated by signs and readily accessible.

C. Required Emergency Equipment:

■ Well control equipment

- a. Flare line 150' from wellhead to be ignited by flare gun.
- b. Choke manifold with a remotely operated choke.
- c. Mud/gas separator

■ Protective equipment for essential personnel.

Breathing apparatus:

- a. Rescue Packs (SCBA) — 1 unit shall be placed at each breathing area, 2 shall be stored in the safety trailer.
- b. Work/Escapes packs — 4 packs shall be stored on the rig floor with sufficient air hose not to restrict work activity.
- c. Emergency Escape Packs — 4 packs shall be stored in the doghouse for emergency evacuation.

Auxiliary Rescue Equipment:

- a. Stretcher
- b. Two OSHA full body harness
- c. 100 ft 5/8 inch OSHA approved rope
- d. 1-20# class ABC fire extinguisher

■ H<sub>2</sub>S detection and monitoring equipment:

The stationary detector with three sensors will be placed in the upper dog house if equipped, set to visually alarm @ 10 ppm and audible @ 14 ppm. Calibrate a minimum of every 30 days or as needed. The sensors will be placed in the following places: Rig floor / Bell nipple / End of flow line or where well bore fluid is being discharged.

(Gas sample tubes will be stored in the safety trailer)

■ Visual warning systems.

- a. One color code condition sign will be placed at the entrance to the site reflecting the possible conditions at the site.
- b. A colored condition flag will be on display, reflecting the current condition at the site at the time.
- c. Two wind socks will be placed in strategic locations, visible from all angles.



## Grace 16 State Com #901H

### ■ Mud program:

The mud program has been designed to minimize the volume of H<sub>2</sub>S circulated to surface. The operator will have the necessary mud products to minimize hazards while drilling in H<sub>2</sub>S bearing zones.

### ■ Metallurgy:

All drill strings, casings, tubing, wellhead, blowout preventer, drilling spool, kill lines, choke manifold and lines, and valves shall be suitable for H<sub>2</sub>S service.

### ■ Communication:

Communication will be via cell phones and land lines where available.



**Grace 16 State Com #901H**  
**Emergency Assistance Telephone List**

**PUBLIC SAFETY:** **911 or**

Lea County Sheriff's Department	(575) 396-3611
Rod Coffman	
Fire Department:	
Carlsbad	(575) 885-3125
Artesia	(575) 746-5050
Hospitals:	
Carlsbad	(575) 887-4121
Artesia	(575) 748-3333
Hobbs	(575) 392-1979
Dept. of Public Safety/Carlsbad	(575) 748-9718
Highway Department	(575) 885-3281
New Mexico Oil Conservation	(575) 476-3440
U.S. Dept. of Labor	(575) 887-1174

**EOG Resources, Inc.**

EOG / Midland	Office	(432) 686-3600
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**Company Drilling Consultants:**

David Dominique	Cell	(985) 518-5839
Mike Vann	Cell	(817) 980-5507

**Drilling Engineer**

Esteban Del Valle	Cell	(432) 269-7063
Daniel Moose	Cell	(432) 312-2803

**Drilling Manager**

Aj Dach	Office	(432) 686-3751
	Cell	(817) 480-1167

**Drilling Superintendent**

Jason Townsend	Office	(432) 848-9209
	Cell	(210) 776-5131

**H&P Drilling**

H&P Drilling	Office	(432) 563-5757
H&P 651 Drilling Rig	Rig	(903) 509-7131

**Tool Pusher:**

Johnathan Craig	Cell	(817) 760-6374
Brad Garrett		

**Safety:**

Brian Chandler (HSE Manager)	Office	(432) 686-3695
	Cell	(817) 239-0251



**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 Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170  
**District IV**  
1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

CONDITIONS  
  
Action 75829

CONDITIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 75829
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
pkautz	None	1/27/2022