Submit 1 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

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

Form C-103
Revised July 18, 2013

WELL API NO. 30-025-44267
5. Indicate Type of Lease STATE ☒ FEE ☐
6. State Oil & Gas Lease No.

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 ☒ Gas Well ☐ Other
7. Lease Name or Unit Agreement Name: GEM 36 STATE COM
8. Well Number: 709H
2. Name of Operator: EOG RESOURCES INC
9. OGRID Number: 7377
3. Address of Operator: PO BOX 2267 MIDLAND, TX 79702
10. Pool name or Wildcat: WC025 G09 S253236A; UPPER WOLFCAMP
4. Well Location
Unit Letter M : 220' feet from the SOUTH line and 1193' feet from the WEST line
Section 36 Township 25S Range 32E NMPM County LEA
11. Elevation *(Show whether DR, RKB, RT, GR, etc.)* 3347' GR

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

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
PERFORM REMEDIAL WORK	☐	PLUG AND ABANDON	☑	REMEDIAL WORK	☐	ALTERING CASING	☐
TEMPORARILY ABANDON	☐	CHANGE PLANS	☐	COMMENCE DRILLING OPNS.	☐	P AND A	☐
PULL OR ALTER CASING	☐	MULTIPLE COMPL	☐	CASING/CEMENT JOB	☐		
DOWNHOLE COMMINGLE	☐						
CLOSED-LOOP SYSTEM	☐						
OTHER:	☐			OTHER:			☐

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.

07/06/2021 RIH TO REPAIR GAS LIFT VALVE AND WHILE TRYING TO PULL TUBING REALIZED THAT IT WAS STUCK BY CEMENT, RETRIEVED AS MUCH TUBING AS POSSIBLE, TRIED TO FISH, UNSUCCESSFUL, TOP OF FISH @ 10,200'. PUT WELL BACK ON GAS LIFT BUT NO INFLOW FROM FORMATION DUE TO CEMENT BELOW THE FISH.

EOG PROPOSES TO PLUG THIS WEL USING THE ATTACHED PROCEDURE

Note changes to procedure

4" diameter 4' tall Above Ground Marker

SEE ATTACHED CONDITIONS OF APPROVAL

Spud Date: 01/21/2018 Rig Release Date: 04/09/2018

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

SIGNATURE Kay Maddox TITLE Regulatory Analyst DATE 10/10/2022

Type or print name Kay Maddox E-mail address: kay_maddox@eogresources.com PHONE: 432-638-8475

For State Use Only

APPROVED BY: Kerry Fortner TITLE Compliance Officer A DATE 1/6/23
Conditions of Approval (if any)
575-263-6633

Gem 36 State Com #709H – P&A

SEC 36, T25S, R32E

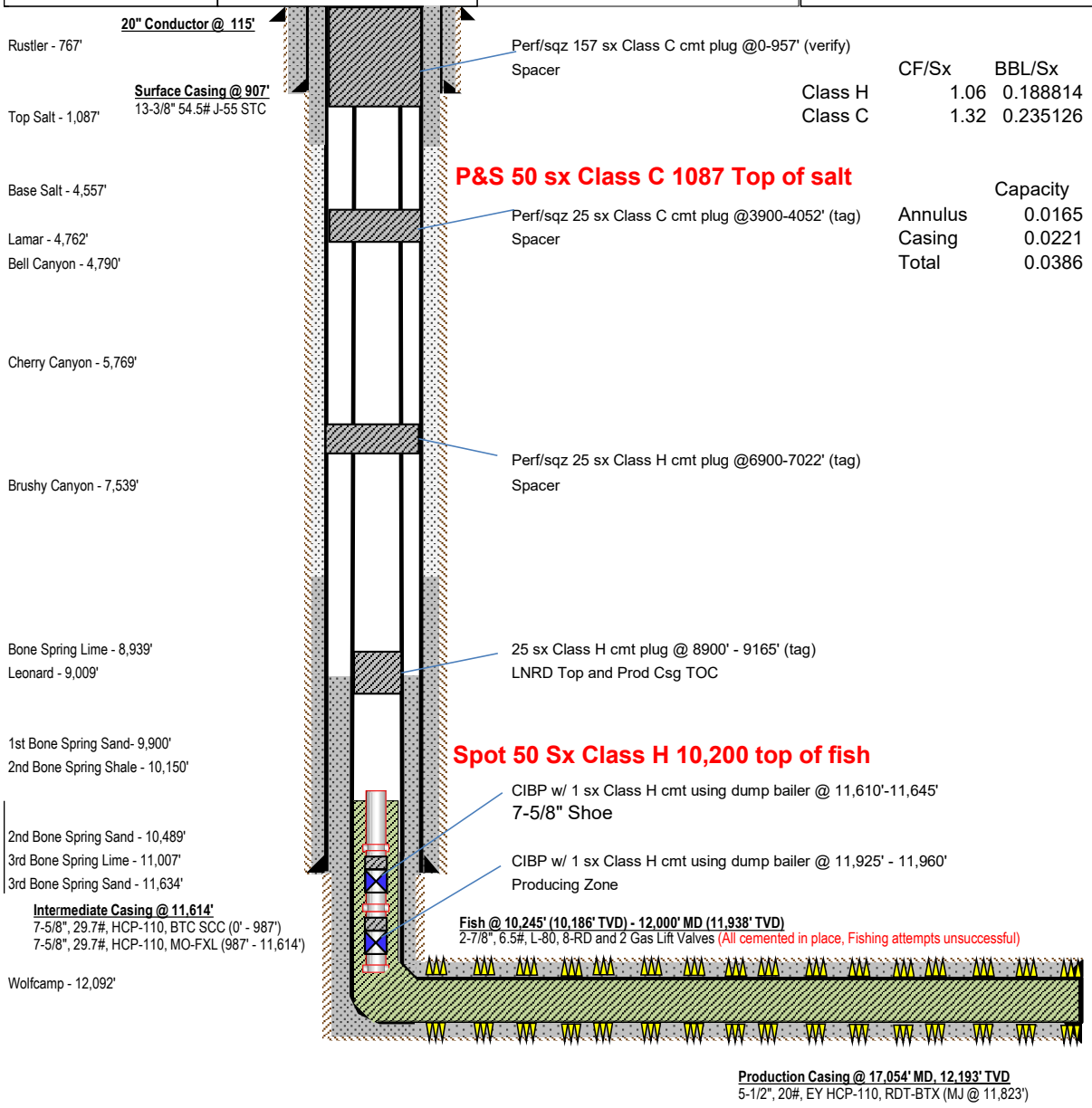
API # 30-025-44267

1. Notify Regulatory Agency 24 hours prior to commencing work. MIRU well service unit and all necessary safety equipment.
2. ND WH, NU BOP.
3. Set 2-7/8” CIBP w/ 1 sx Class H cmt using dump bailer @ 11,925' - 11,960'.
4. Set 2-7/8” CIBP w/ 1 sx Class H cmt using dump bailer @ 11,610'-11,645' **Spot 50 Sx Class H 10,200 top of fish**
5. Circulate plugging mud and spot 25 sx Class H 8,900-9,165’.
6. Pick up, perf @7,022’ and sqz a 25 sx class H cement plug to 6,900’; WOC & tag. **50 xx**
7. Pick up, perf @4,052’ and sqz a 25 sx class C cement plug to 3,900’. **50 xx** **P&S 50 sx Class C 1087 Top of salt**
8. Pick up, perf @957’ and sqz a 157sx class C cement plug to surface.
9. Cut off WH 3’ below surface; verify cement to surface & weld on P&A marker.
10. Cut off anchors 3’ below surface and clean location.

CURRENT WELL SKETCH

eog resources

MARKERS (KB)			
	OGRID: 7377 **API:** 30-025-44267 **AFE:** 109238 **SPUD:** 1/21/18 @ 13:30 hrs **FRR:** 4/9/18 @ 09:45 hrs **Compl. Date:** 5/18/18 **RIG:** Predator / H&P #620	**Gem 36 State Com #709H** **Red Hills (Wolfcamp) Field** **Lea County, New Mexico**	**SURF:** 220' FSL & 1193' FWL **LOC:** Sec. 36 **SURVEY:** T-25-S, R-32-E **Lat/Long:** 32.080348,-103.633481 **GL:** 3347.0' **KB:** 3372.0'



HOLE SIZE	MW (ppg)	MUD	BHST (°F)	LOT (ppg)	EVALUATION
17-1/2"	8.6 9.0	FW	86	N/A	
12-1/4"	9.9	Brine / Produced Water	117		
9-7/8" & 8-3/4"	8.7 8.7	Brine / Produced Water	117	NA	
6-3/4"	8.7	OBM	140	N/A	

Prod Eng:	G. Ulmo
Date:	9/1/2022

CONDITIONS OF APPROVAL
FOR PLUGGING AND ABANDONMENT
OCD - Southern District

The following is a guide or checklist in preparation of a plugging program, this is not all inclusive and care must be exercised in establishing special plugging programs in unique and unusual cases, Notify NMOCD District Office I (Hobbs) at **(575)-263-6633** at least 24 hours before beginning work. After MIRU rig will remain on well until it is plugged to surface. OCD is to be notified before rig down.

Company representative will be on location during plugging procedures.

1. A notice of intent to plug and abandon a wellbore is required to be approved before plugging operations are conducted. A cement evaluation tool is required in order to ensure isolation of producing formations, protection of water and correlative rights. A cement bond log or other accepted cement evaluation tool is to be provided to the division for evaluation if one has not been previously run or if the well did not have cement circulated to surface during the original casing cementing job or subsequent cementing jobs. Insure all bradenheads have been exposed, identified and valves are operational prior to rig up.

2. Closed loop system is to be used for entire plugging operation. Upon completion, contents of steel pits are to be hauled to a permitted disposal location.

3. Trucking companies being used to haul oilfield waste fluids to a disposal - commercial or private- shall have an approved NMOCD C-133 permit. A copy of this permit shall be available in each truck used to haul waste products. It is the responsibility of the operator as well as the contractor, to verify that this permit is in place prior to performing work. Drivers shall be able to produce a copy upon request of an NMOCD Field inspector.

4. Filing a subsequent C-103 will serve as notification that the well has been plugged.

5. A final C-103 shall be filed (and a site inspection by NMOCD Inspector to determine if the location is satisfactorily cleaned, all equipment, electric poles and trash has been removed to Meet NMOCD standards) before bonding can +be released.

6. If work has not begun within 1 Year of the approval of this procedure, an extension request must be file stating the reason the well has not been plugged.

7. Squeeze pressures are not to exceed 500 psi, unless approval is given by NMOCD.

8. Produced water will not be used during any part of the plugging operation.

9. Mud laden fluids must be placed between all cement plugs mixed at 25 sacks per 100 bbls of water.

10. All cement plugs will be a minimum of 100' in length or a minimum of 25 sacks of cement, whichever is greater. 50' of calculated cement excess required for inside casing plugs and 100% calculated cement excess required on outside casing plugs.

11. Class 'C' cement will be used above 7500 feet.

12. Class 'H' cement will be used below 7500 feet.

13. A cement plug is required to be set 50' above and 50' below, casing stubs, DV tools, attempted casing cut offs, cement tops outside casing, salt sections and anywhere the casing is perforated, these plugs require a 4 hour WOC and then will be tagged

14. All Casing Shoes Will Be Perforated 50' below shoe depth and Attempted to be Squeezed, cement needs to be 50' above and 50' Below Casing Shoe inside the Production Casing.

16. When setting the top out cement plug in production, intermediate and surface casing, wellbores should remain full at least 30 minutes after plugs are set

17. A CIBP is to be set within 100' of production perforations, capped with 100' of cement, WOC 4 hours and tag.

18. A CIBP with 35' of cement may be used in lieu of the 100' plug if set with a bailer. This plug will be placed within 100' of the top perforation, (WOC 4 hrs and tag).

19. No more than 3000' is allowed between cement plugs in cased hole and 2000' in open hole.

20. Some of the Formations to be isolated with cement plugs are: These plugs to be set to isolate formation tops

A) **Fusselman**

B) **Devonian**

C) **Morrow**

D) **Wolfcamp**

E) **Bone Springs**

F) **Delaware**

G) **Any salt sections**

H) **Abo**

I) **Glorieta**

J) **Yates.**

K) **Potash---(In the R-111-P Area (Potash Mine Area),**
A solid cement plug must be set across the salt section. Fluid used to mix the cement shall be saturated with the salts that are common to the section penetrated and in suitable proportions, not more than 3% calcium chloride (by weight of cement) will be considered the desired mixture whenever possible, WOC 4 hours and tag, this plug will be 5O' below the bottom and 50' above the top of the Formation.

21. If cement does not exist behind casing strings at recommended formation depths, the casing can be cut and pulled with plugs set at recommended depths. If casing is not pulled, perforations will be shot and cement squeezed behind casing, WOC and tagged. These plugs will be set 5O' below formation bottom to 50' above formation top inside the casing.

DRY HOLE MARKER REQ.UIRMENTS

The operator shall mark the exact location of the plugged and abandoned well with a steel marker not less than four inches in diameter, 3' below ground level with a plate of at least ¼" welded to the top of the casing and the dry hole marker welded on the plate with the following information welded on the dry hole marker:

1. Operator name

2. Lease and Well Number

3. API Number

4. Unit letter

5. Quarter Section (feet from the North, South, East or West)

6. Section, Township and Range

7. Plugging Date

8. County

SPECIAL CASES -----AGRICULTURE OR PRARIE CHICKEN BREEDING AREAS

In these areas, a below ground marker is required with all pertinent information mentioned above on a plate, set 3' below ground level, a picture of the plate will be supplied to NMOCD for record, the exact location of the marker (longitude and latitude by GPS) will be provided to NMOCD (We typically require a current survey to verify the GPS)

SITE REMEDIATION DUE WITHIN ONE YEAR OF WELL PLUGGING COMPLETION

Gem 36 State Com #709H – P&A

SEC 36, T25S, R32E

API # 30-025-44267

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5. Circulate plugging mud and spot 25 sx Class H 8,900-9,165’.
6. Pick up, perf @7,022’ and sqz a 25 sx class H cement plug to 6,900’; WOC & tag.
7. Pick up, perf @4,052’ and sqz a 25 sx class C cement plug to 3,900’.
8. Pick up, perf @957’ and sqz a 157sx class C cement plug to surface.
9. Cut off WH 3’ below surface; verify cement to surface & weld on P&A marker.
10. Cut off anchors 3’ below surface and clean location.

eog resources

CURRENT WELL SKETCH

OGRID: 7377
API: 30-025-44267
AFE: 109238
SPUD: 1/21/18 @ 13:30 hrs
FRR: 4/9/18 @ 09:45 hrs
Compl. Date: 5/18/18
RIG: Predator / H&P #620

Gem 36 State Com #709H
Red Hills (Wolfcamp) Field
Lea County, New Mexico

SURF: 220' FSL & 1193' FWL
LOC: Sec. 36
SURVEY: T-25-S, R-32-E
Lat/Long: 32.080348,-103.633481
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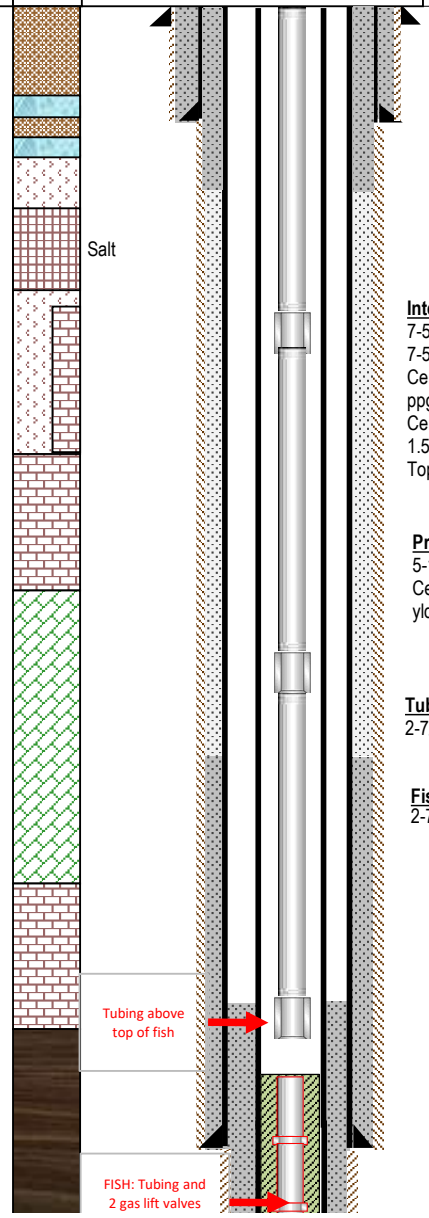

20" Conductor @ 115'

Surface Casing @ 907'
13-3/8" 54.5# J-55 STC
Cement w/ 485 sx Class C + 4% Gel + 2% CaCl2 + .25 pps Cellofakes (13.5ppg 1.76 yld), Followed by 310 sx Class C + 2% CaCl2 + .25 pps Cellofakes (14.8ppg 1.36yld). Did not bump plug. Circ 91 bbls of cement to suface.

Intermediate Casing @ 11,614'
7-5/8", 29.7#, HCP-110, BTC SCC (0' - 987')
7-5/8", 29.7#, HCP-110, MO-FXL (987' - 11,614')
Cement Stage 1 w/ 600 sx Class H + 5% Salt + 0.5% CPT-30 + 0.4% CPT-35 + 0.6% CPT-23 + 1% MagOx (15.6 ppg, 1.25 yld). Bump plug, test casing to 2500 psi - OK. Did not circ cement.
Cement Stage 2 via Bradenhead w/ 3000 sx Class C + 10% Salt + 1% CaCl2 + 1% MagOx + 5% Gypsum (14.8 ppg, 1.52 yld). Did not circ cement.
Top Out via Bradenhead w/ 501 sx Class C + 3% CaCl2 + 1% MagOx (14.8 ppg, 1.52 yld). Cement to surface.

Production Casing @ 17,054' MD, 12,193' TVD
5-1/2", 20#, EY HCP-110, RDT-BTX (MJ @ 11,823')
Cement w/ 545 sx Class H + 0.4% Halad R-344 + 3% MicroBond + 0.3% HR-601 (14.5 ppg, 1.25 yld). Bump plug, test casing to 5000 psi - OK. Did not circ cement - **TOC @ 9130' Est.**

Tubing @ 10,244' MD, 10,185' TVD
2-7/8", 6.5#, L-80, 8-RD

Fish @ 10,245' (10,186' TVD) - 12,000' MD (11,938' TVD)
2-7/8", 6.5#, L-80, 8-RD and 2 Gas Lift Valves (All cemented in place, Fishing attempts unsuccessful)

HOLE SIZE	MW (ppg)	MUD	BHST (°F)	LOT (ppg)	EVALUATION
17-1/2"	8.6 9.0	FW	86	N/A	
12-1/4"	9.9	Brine / Produced Water	117		
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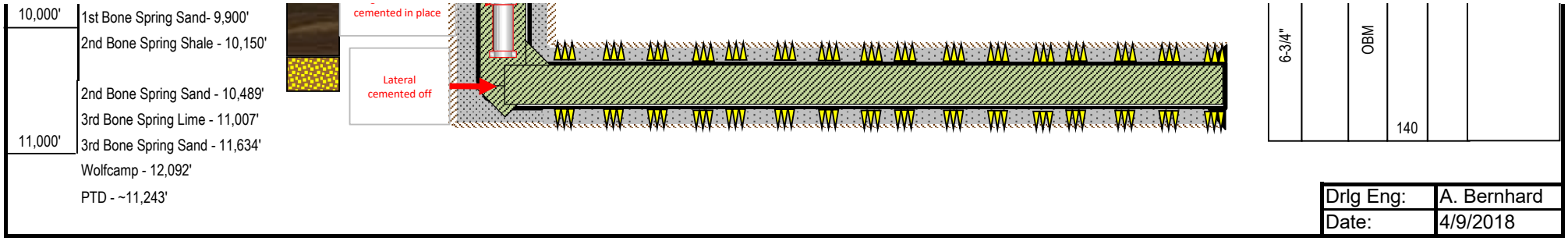
	8.7			N/A	


10,000'
1st Bone Spring Sand- 9,900'
2nd Bone Spring Shale - 10,150'
2nd Bone Spring Sand - 10,489'
3rd Bone Spring Lime - 11,007'
11,000'
3rd Bone Spring Sand - 11,634'
Wolfcamp - 12,092'
PTD - ~11,243'
cemented in place
Lateral
cemented off
6-3/4"
OBM
140
Drlg Eng:
A. Bernhard
Date:
4/9/2018

CURRENT WELL SKETCH

eog resources

MARKERS (KB)			
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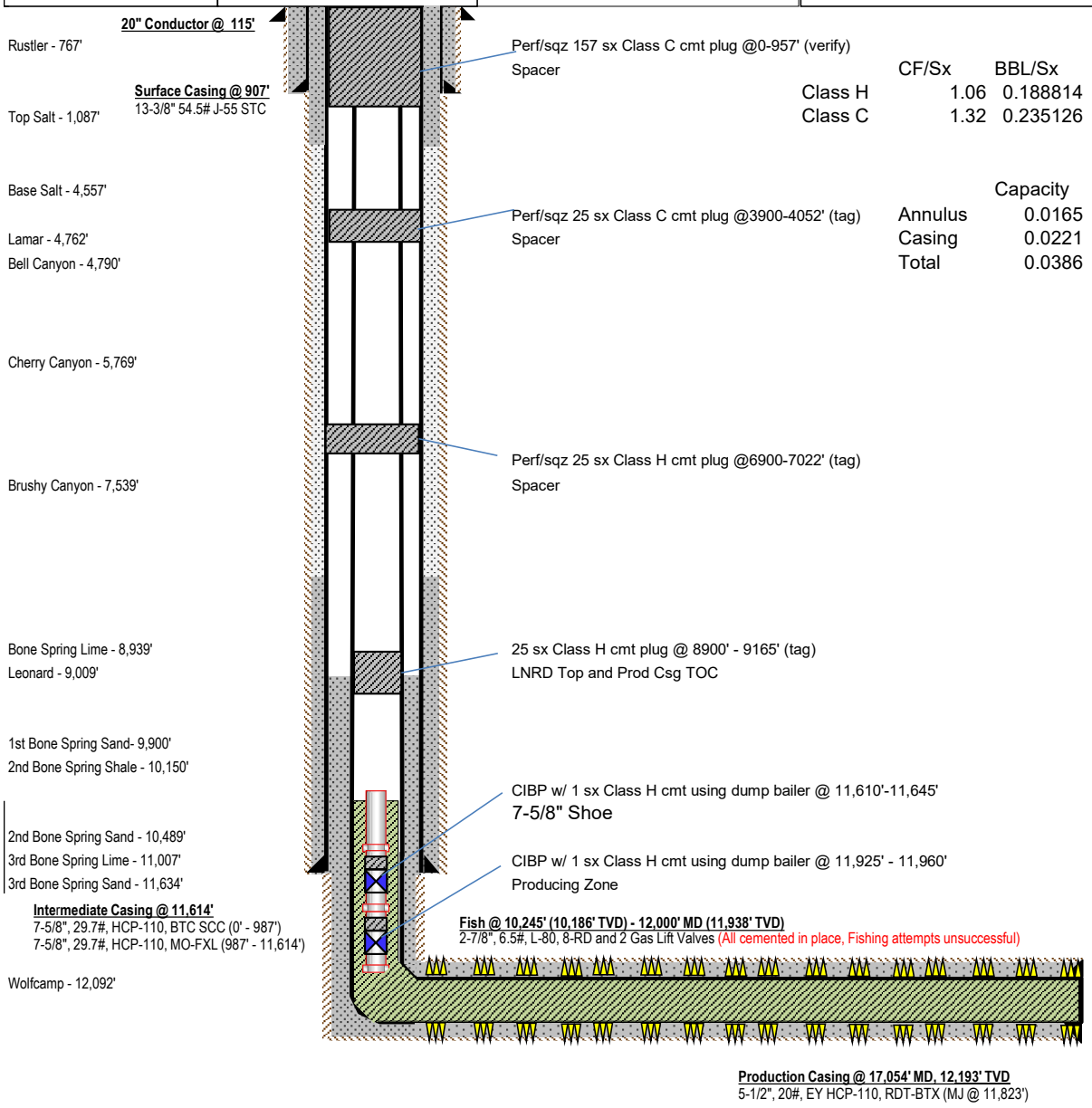

	CF/Sx	BBL/Sx
Class H	1.06	0.188814
Class C	1.32	0.235126

	Capacity
Annulus	0.0165
Casing	0.0221
Total	0.0386

HOLE SIZE	MW (ppg)	MUD	BHST (°F)	LOT (ppg)	EVALUATION
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6-3/4"	8.7	OBM	140	N/A	

Prod Eng:	G. Ulmo
Date:	9/1/2022

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

COMMENTS

Action 159757

COMMENTS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 159757
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

COMMENTS

Created By	Comment	Comment Date
plmartinez	DATA ENTRY PM	1/6/2023

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
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811 S. First St., Artesia, NM 88210
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CONDITIONS

Action 159757

CONDITIONS

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CONDITIONS

Created By	Condition	Condition Date
kfortner	See attached COA Note changes to procedure	1/6/2023