| Office Of | Submit 1 Copy To Appropriate District | State of New Mo | exico | Form C-103 | | |
|--|--|--|--|--|--|--|
| Desire III - (25) 748-1283 Sit 5, French Dr. Hobbs, NM 88240 Desire III - (25) 748-1283 Sit 5, French Dr. Hobbs, NM 88240 Desire III - (25) 748-1283 Sit 5, French Dr. Santa Fe, NM 87505 SuNDRY NOTICES AND REPORTS ON WELLS (OD NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PILUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR FEMAL" (FORM C-101) FOR SUCH PROPOSALS) To DRILL OR TO DEEPEN OR PILUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR FEMAL" (FORM C-101) FOR SUCH PROPOSALS) To DRILL OR TO DEEPEN OR PILUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR FEMAL" (FORM C-101) FOR SUCH PROPOSALS) To DRILL OR TO DEFERENT OR TO PROPOSALS (TO DRILL OR TO DEEPEN OR PILUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION TO PROPOSALS" (TO DEPEN OR PILUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION TO PROPOSALS" (TO DEPEN OR PILUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION TO PROPOSALS" (TO DEPEN OR PILUG BACK TO A DIFFERENT REPORT OR TO PROPOSALS (TO DEPEN OR PILUG BACK TO A DIFFERENT REPORT OR TO PROPOSALS (TO DEPEN OR PILUG BACK TO A DIFFERENT REPORT OF TO PROPOSALS (TO DEPEN OR PILUG BACK TO A DIFFERENT REPORT OF TO PROPOSALS (TO DEPEN OR PILUG BACK TO A DIFFERENT REPORT OF TO PROPOSALS (TO DEPEN OR PILUG BACK TO A DIFFERENT REPORT OF TO PROPOSALS (TO DEPEN OR PILUG BACK TO A DIFFERENT REPORT OF TO PROPOSALS (TO DEPEN OR PILUG BACK TO A DIFFERENT REPORT OF TO PROPOSALS (TO DEPEN OR PILUG BACK TO A DIFFERENT REPORT OF TO PROPOSALS (TO DEPENDENT PROPOSALS (TO DEPENDENT PROPOSALS (TO DEPENDENT PROPOSALS (TO DEPEND PROPOSALS (TO D | District I - (575) 393-6161 | Energy, Minerals and Natural Resources OIL CONSERVATION DIVISION | | | | |
| Section 16 Township 178 Range 30E NMPM Country Eddy 12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data NOTICE OF INTENTION TO: Section 16 Township 178 Range 30E NMPM Country Eddy 12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data NOTICE OF INTENTION TO: Set Subsequently Abandon PLUL GASING MULTIPLE COMPL GASING/CEMENT JOB 12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data NOTICE OF INTENTION TO: SUBSEQUENT REPORT OF: SUBSEQUENT REPOR | 1625 N. French Dr., Hobbs, NM 88240 | | | | | |
| District III - (905) 31-6178 1220 South St. Francis Dr. Santa Fe, NM 87505 Santa Fe, | 811 S. First St., Artesia, NM 88210 | | | 30-015-2 0382 | | |
| District Y - (505) 476-3460 Santa Fe, NM 8/505 Santa Fe, NM 8/505 Santa Fe, NM 8/505 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 Other 2. Name of Operator Goog Operator Goog Operator Goog Operator COG Operating, LLC 3. Address of Operator Goog Operator Goog Operator Unit Letter 1 : 1980 | District III - (505) 334-6178 | | | | | |
| B-936 SUNDRY NOTICES AND REPORTS ON WELLS CDO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH S. Well Number 113 P. Y. CIBP @ 2520-2050'. WOC & Tag P. P. S. | <u>District IV</u> – (505) 476-3460 | | | | | |
| SUNDRY NOTICES AND REPORTS ON WELLS OD NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEFEREN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.) 1. Type of Well: Oil Well | 1220 S. St. Francis Dr., Santa Fe, NM 87505 | ncis Dr., Santa Fe, NM | | | | |
| 2. Name of Operator COG Operating, LLC 3. Address of Operator 600 W. Illinois Ave, Midland, TX 79701 4. Well Location Unit Letter I : 1980 feet from the S line and GRBG-Jackson, SR-Q-GRBG-SA 11. Elevation (Show whether DR, RKB, RT, GR, etc.) 12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data NOTICE OF INTENTION TO: PERFORM REMEDIAL WORK PLUG AND ABANDON CHANGE PLANS CHANGE P | 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 | | | ETZ State Unit | | |
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| DISTRICT II-ARTESIA O.C.D. | | 8 | | APR 3 0 2018 | | |
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| Spud Date: Rig Release Date: | VK = 11/11 | Kig Kelease Da | te: | | | |
| * See Attached COA's Must be Pluscel by 5-2-19 | * See HTTAched | COAs | Must be P | Juscel by 5-2-19 | | |
| I hereby certify that the information above is true and complete to the best of my knowledge and belief. | Thereby certify that the information | above is true and complete to the be | st of my knowledge | and belief. | | |
| SIGNATURE AND MANAGEMENT TITLE AGAST | SIGNATURE 1. DAMC | | (| | | |
| | | TITLE HOLD | To Change of a | DATE 4/24/18 | | |
| Type or print name Abigai Montgomery E-mail address: DATE 4729118 DATE 4729118 PHONE: 432-580-7161 | Type or print name (1) | allow | ma ounande | ASIA (M.TA.) L.CANA | | |
| For State Use Only | The or brune manie Horder I | lontyomery E-mail address: | | PHONE: 432-580-7//- | | |
| APPROVED BY: DATE 5-2-18 Conditions of Approval (if any): | For State Use Only | lontyomery E-mail address: | | PHONE: 432-580-7161 | | |

COG Operating LLC

Lease & Well # API

ETZ State Unit # 113 30-015-20686

Spud - 7/24/1972 Elevation - 3687' GR

1/4# cello flake per sx & 2% CaCl **8-5/8" 20# @ 536'**, 100 sx cmt, circ.

TOC @ 1510'

QUEEN

GRAYBURG

CIBP @ 2925' 35 ft cmt on top

SAN ANDRES

PBTD - 3947' TD - 4050' 8/1/1972

Perf GB/SA: 2568-3780' (84 holes, 0.35") Frac w/162,000 gal GW, 162,000 # sd

10/3/1976

Perf Queen: 2118 - 2126'

Frac w/30,000 gal GW & 30,000# 20/40 sd. 11/15/1989: Squeeze Queen w/150 sx C cmt 11/21/1989: Set CIBP

2568'

2832'

2942'

3780'

5-1/2" 15.5# csg @ 4050', c/w 600 sx Dowell Exp. cmt.

32.8327637

COG Operating LLC

Lease & Well # API#

Spud - 7/24/1972 Elevation - 3687' GR

> 1/4# cello flake per sx & 2% CaCl 8-5/8" 20# @ 536', 100 sx cmt, circ.

4. Perf & Sqz 130 sx cmt @ 586'-Surface.

3. Perf & Sqz 50 sx cmt @ 1110-910'. WOC & Tag (B/Sait)

TOC @ 1510'

8/1/1972 Perf GB/SA: 2568-3780' (84 holes, 0.35")

Frac w/162,000 gal GW, 162,000 # sd

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Perf Queen: 2118 - 2126'

Frac w/30,000 gal GW & 30,000# 20/40 sd. 11/15/1989: Squeeze Queen w/150 sx C cmt 11/21/1989: Set CIBP

GRAYBURG

CIBP @ 2925' 35.ft cmt on top

SAN ANDRES

2. Set 5 1/2" CIBP @ 2520'. Circ hole w/ MLF. Pressure test csg. Spot 50 sx cmt @ 2520-2050' WOC & Tag 2568'

2832'

1. Tag 5 1/2" CIBP @ 2925' w/ 35' cmt on top.

2942'

3780'

5-1/2" 15.5# csg @ 4050', c/w 600 sx Dowell Exp. cmt.

PBTD - 3947' TD - 4050'

CONDITIONS FOR PLUGGING AND ABANDONMENT

District II / Artesia N.M.

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 II at (575)-748-1283 at least 24 hours before beginning work.

- 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.
- 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 the well is not plugged within 1
- 7. 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.
- 8. Squeeze pressures are not to exceed 500 psi, unless approval is given by NMOCD.
- 9. Produced water will not be used during any part of the plugging operation.
- 10. Mud laden fluids must be placed between all cement plugs mixed at 25 sacks per 100 bbls of water.
- 11. 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.
- 12. Class 'C' cement will be used above 7500 feet.
- 13. Class 'H' cement will be used below 7500 feet.
- 14. 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
- 15. 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
 - 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 50' 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 50' below formation bottom to 50' above formation top inside the casing

DRY HOLE MARKER REQUIRMENTS

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)