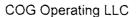
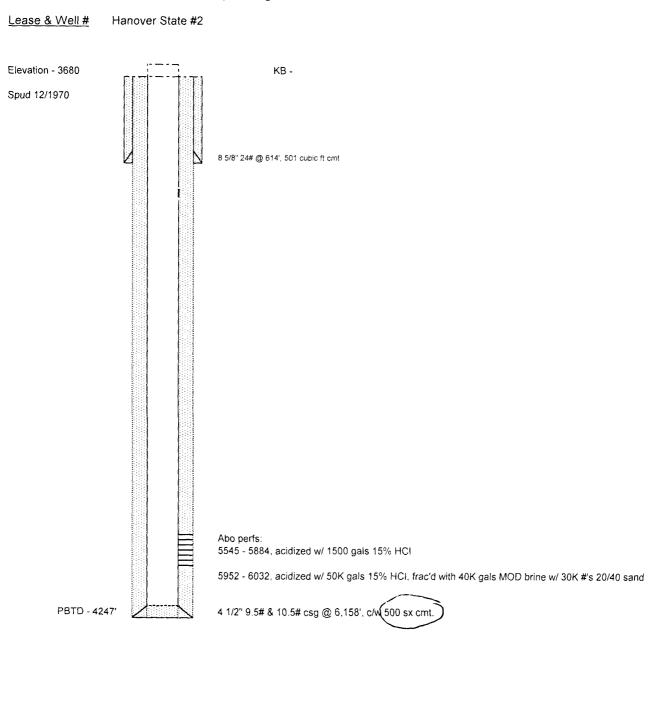
Submit 1 Copy To Appropriate District	State of New Mexico	Form C-103
* <u>District I</u> – (575) 393-6161 1625 N. French Dr., Hobbs, NM 88240	. Jrgy, Minerals and Natural Resource	WELL API NO.
<u>District II</u> – (575) 748-1283 811 S. First St., Artesia, NM 88210	OIL CONSERVATION DIVISION	30-015-203555. Indicate Type of Lease
<u>District III</u> - (505) 334-6178 1000 Rio Brazos Rd., Aztec, NM 87410	1220 South St. Francis Dr. Santa Fe, NM 87505	STATE FEE
<u>District IV</u> (505) 476-3460 1220 S. St. Francis Dr., Santa Fe, NM	Santa i C, Nivi 87505	6. State Oil & Gas Lease No. B-4575
	ICES AND REPORTS ON WELLS	7. Lease Name or Unit Agreement Name
	SALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A CATION FOR PERMIT" (FORM C-101) FOR SUCH	Hanover State 8. Well Number 2
1. Type of Well: Oil Well 2. Name of Operator	Gas Well 🗌 Other	9. OGRID Number
COG Operating, LLC		229137
3. Address of Operator 600 W. Illinois Ave, Midland, TX	70701	10. Pool name or Wildcat Empire Abo
4. Well Location	. /9/01	
Unit Letter P :	360 feet from the <u>S</u> line and	<u>330</u> feet from the <u>E</u> line
Section 28	Township 17S Range 28E	NMPM County EDDY
and the second	11. Elevation (Show whether DR, RKB, RT, GR 3671' RKB	c, etc.)
12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data		
		SUBSEQUENT REPORT OF:
TEMPORARILY ABANDON	CHANGE PLANS COMMENCI	E DRILLING OPNS. P AND A
CLOSED-LOOP SYSTEM	_	_
OTHER:	OTHER:	le and give partinent dates including estimated date
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.		
Notify NMOCO 24hrs before MIRU		
1. Set 4 ½" CIBP @ 5495'. Circulate hole w/ MLF. Pressure test csg. Spot 25 sx cmt @ 5495-5200' LBC +TAS		
2. Perf & Soz 25 sx cmt @ 3500-3400' (Glorieta) $\Box \circ c_{-} = 7^{-5}$		
	300-1900 . (San Andres) WW * (1990) . 300-1050'. WOC & Tag (Queen)	ARTESIA DISTRICT
5. Perf & 50 sx cmt @ 665-450'. WOC & Tag (Shoe & Yates)		Join DISTRICT
6. Perf & Sqz 25 sx cmt @ 10 7. Cut off well head, verify c	00-Surface'. nt to surface, weld on Dry Hole Marker.	NOV 29 2017
7. Cut on wen head, verify th	Approved for pluggi	ng of well bore only. RECEIVES
	Liability under bond	is retained pending receipt t Report of Well Plugging)
	which may be found Forms, wyw.emard.s	at OCD Web Page under
Spud Date:	Rig Release Date:	
* See Attached COA's Mut be Physel Before 11-30-18		
hereby certify that the information above is true and complete to the best of my knowledge and belief.		
SIGNATURE Alugail Montgomery E-mail address: DATE 11/22/17 DATE 11/22/17DATE 11/22/17		
Type or print name Abient I N	Arenta and E-mail address	Lassociates. Com PHONE: 422-580-7161
For State Use Only J J J		
APPROVED BY: DATE 1-30-17 Conditions of Approval (if any):		

30-015-20355



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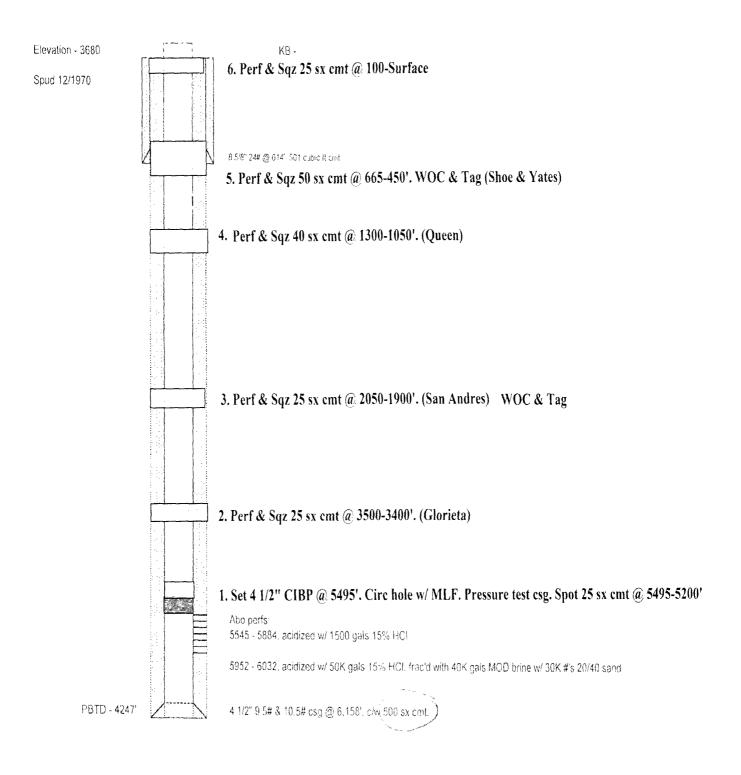


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30 015-20355

COG Operating LLC

Lease & Well # Hanover State #2



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.

- 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.
- 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

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- 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 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 name2. Lease and Well Number3.API Number4. Unit Letter5. QuarterSection (feet from the North, South, East or West)6. Section, Township and Range7. Plugging Date8. 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)