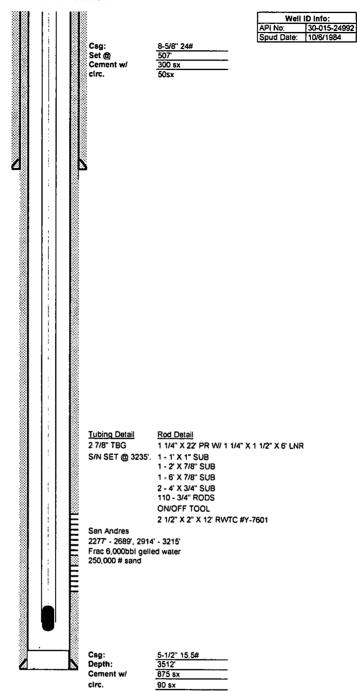
Submit I Copy To Appropriate District Office	State of New Mexico Energy, Minerals and Natural Reso	Form C-103 urces Revised July 18, 2013
<u>District I</u> – (575) 393-6161 1625 N. French Dr., Hobbs, NM 88240	Energy, witherars and Natural Neson	WELL API NO.
District II - (575) 748-1283	OIL CONSERVATION DIVISI	ION 30-015-24992
811 S. First St., Artesia, NM 88210 <u>District III</u> – (505) 334-6178	1220 South St. Francis Dr.	5. Indicate Type of Lease
1000 Rio Brazos Rd., Aztec, NM 87410 <u>District IV</u> – (505) 476-3460	Santa Fe, NM 87505	STATE FEE 6. State Oil & Gas Lease No.
1220 S. St. Francis Dr., Santa Fe, NM 87505		B-1969
	TICES AND REPORTS ON WELLS  OSALS TO DRILL OR TO DEEPEN OR PLUG BACK 1	7. Lease Name or Unit Agreement Name Collier State
DIFFERENT RESERVOIR. USE "APPL PROPOSALS.)	ICATION FOR PERMIT" (FORM C-101) FOR SUCH	8. Well Number 14
1. Type of Well: Oil Well	Gas Well Other	
2. Name of Operator COG Operating, LLC		9. OGRID Number 229137
3. Address of Operator		10. Pool name or Wildcat
600 W. Illinois Ave, Midland, T	X 79701	Red Lake; QN-GRBG-SA
4. Well Location		
Unit Letter O:	1295 feet from the S line and	
Section 22	Township 17S Range 28E  11. Elevation (Show whether DR, RKB, RT	NMPM County Eddy
	3584.7' GR	, GR, etc.)
		·
12. Check	Appropriate Box to Indicate Nature of	Notice, Report or Other Data
NOTICE OF I	NTENTION TO:	CURSEOUENT REPORT OF
PERFORM REMEDIAL WORK		SUBSEQUENT REPORT OF:  DIAL WORK
TEMPORARILY ABANDON		
PULL OR ALTER CASING		G/CEMENT JOB
DOWNHOLE COMMINGLE	t t	
CLOSED-LOOP SYSTEM COTHER:	□ OTHER	
	pleted operations. (Clearly state all pertinent of	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 re	completion.	
1. Set 5 ½" CIBP @ 2235'.	Circulate hole w/ MLF. Pressure test csg. Sp	not 40 sx cmt @ 2235-1900'. WOC & Tag.
(San Andres)		
<ol> <li>Spot 25 sx cmt @ 900-80</li> <li>Perf &amp; Sqz 120 sx cmt @</li> </ol>	0'. WOC & Tag	
4. Cut off well head, verify	cement to surface, weld on Dry Hole Marke	er. RECEIVED
ر العالم الع العالم العالم		
		OCT 0 9 2018
	Metity OCD 24 hrs	. prior to
U	any work do	<b>n€.</b> DISTRICT II-ARTESIA O.C.D.
Spud Date:	Rig Release Date:	
)//	Rig Release Date.	
* See Attack!	COA'	t be Played by 10-10-19
I hereby certify that the information	above is true and complete to the best of my l	
		Č
SIGNATURE Misail M.	ratgomerys) TITLE Agent	DATE INIZ LIC
3	mannes	DATE 1012 18
Type or print name Abiquil M	lontagmery E-mail address:	DATE 10/3/18 bernandassociates.com PHONE: 432-580-716
For State Use Only		
APPROVED BY:	TITLE Staff M	DATE 10-10-18
Conditions of Approval (if any):		Je said the

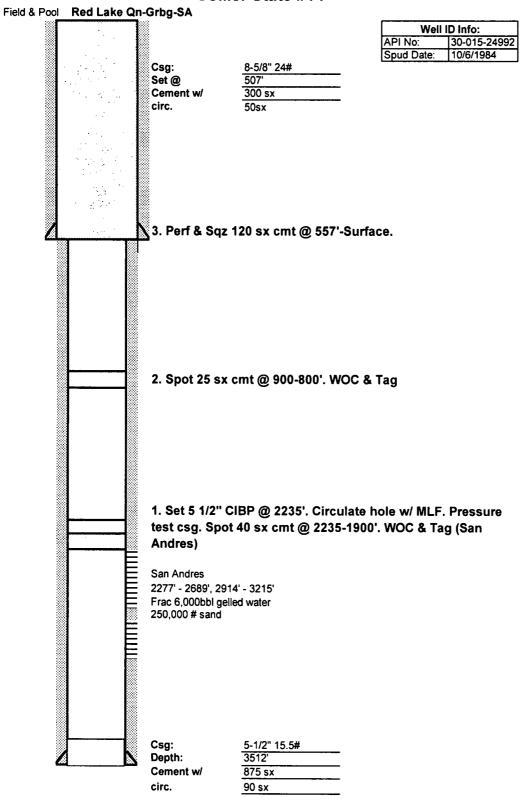
Field & Pool Red Lake Qn-Grbg-SA

Collier State #14



PBTD 3508' TD 3537'

Collier State #14



## **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
  - 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 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)