

Submit 1 Copy To Appropriate District Office

District I - (575) 393-6161

1625 N. French Dr., Hobbs, NM

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

NEW MEXICO CONSERVATION
ARTESIA DISTRICT
MAR 20 2017
RECEIVED

State of New Mexico

Department of Minerals and Natural Resources

NEW MEXICO CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

Form C-103

October 13, 2009

WELL API NO.

30-015-37119

5. Indicate Type of Lease

STATE ☒ FEE ☐

6. State Oil & Gas Lease No.

7. Lease Name or Unit Agreement Name

CTA State Com

8. Well Number 2

9. OGRID Number

229137

10. Pool name or Wildcat

Turkey Track; Morrow, North (Gas)

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

2. Name of Operator

COG Operating LLC

3. Address of Operator

600 W Illinois, Midland, Texas 79701

4. Well Location

Unit Letter L : 1980 feet from the S line and 660 feet from the W line

Section 32 Township 18S Range 30E NMPM County Eddy

11. Elevation (Show whether DR, RKB, RT, GR, etc.)

3405' GR

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

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☒

TEMPORARILY ABANDON ☐ CHANGE PLANS ☐

PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐

DOWNHOLE COMMINGLE ☐

OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐

COMMENCE DRILLING OPNS. ☐ P AND A ☐

CASING/CEMENT JOB ☐

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.

1. Tag 5 1/2 CIBP @ 11,600'.

2. Set 5 1/2 CIBP @ 11,440'. Circulate hole w/ MLF. Pressure test csg. Spot 25 sx cmt @ 11,440-11,300'. - WOC & TAG

3. Spot 25 sx cmt @ 9340-9240'. WOC & Tag (Wolfcamp & possible DV Tool).

4. Spot 25 sx cmt @ 7000-6000'.

5. Spot 25 sx cmt @ 3650-3550'. (San Andres)

6. Cut & POH w/ 5 1/2" csg @ 3400 +/-

7. Spot 50 sx cmt @ 3465-3350'. WOC & Tag (Stub & Shoe)

8. Spot 40 sx cmt @ 1000-900'.

9. Spot 160 sx cmt @ 475-Surface. (Shoe, T/Salt) - 422'-SQ - WOC & TAG

10. Cut off wellhead, verify cmt to surface, install Dry Hole Marker.

Spud Date:

Rig Release Date:

WELL MUST BE PLURRED BY 3/20/2018

Approved for plugging of well bore only.
Liability under bond is retained pending receipt
of C-103 (Subsequent Report of Well Plugging)
which may be found at OCD Web Page under
Forms: www.cmrnd.state.nm.us/oed.

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

SIGNATURE

Abigail Montgomery

TITLE Agent

DATE 3-17-17

Type or print name

Abigail Montgomery

E-mail address:

abym@bemandassociates.com

PHONE: 432-580-7161

For State Use Only

APPROVED BY:

Robert J. Byrd

TITLE COMPLIANCE OFFICER

DATE 3/20/2017

Conditions of Approval (if any):

SEE ATTACHED COA-S

Field

CTA State Com #2

Reservoir: Morrow

Location:	
Footage:	1980 FSL & 660 FWL
Section:	S-32 T18S, R30E
Block:	
Survey:	
County:	Eddy County, NM
Unit:	
Pump Speed:	
KB:	3405
KB Calc:	

History	
Directions	

Current			
Tubing Detail (top to bottom)			
Joints	Description	Footage	Depth
	KB		12
354	2-3/8" N80	10974.0	10,986

Rod Detail (top to bottom)			
Pumping Unit	Description	Footage	Depth
Rods			
0		0.0	26

NEW			
Tubing Detail (top to bottom)			
Joints	Description	Footage	Depth
	KB	12.0	12

Rod Detail (top to bottom)			
Pumping Unit	Description	Footage	Depth
Rods			
		26.0	26

Well ID Info:	
API No:	30-015-37119
Spud Date:	7/3/2009

Surf Csg:	13-3/8" 54.5# J-55
Set @	422'
Cement w/	450 sxs
circ.	112 sxs

Inter Csg:	12.25" 36# J-55
Set @	3413'
Cement w/	1150 sxs
circ.	10 sxs

DVT @ 9290'

Parker set @ 11,407'

Upper Morrow: Perfs, 11,490' - 11,500'
 Acdz w/ 250 gal 7-1/2% NEFE

CIBP @ 11,600'

Morrow: Perfs, 11,650-11,656'
 Acdz w/ 750 gal 7-1/2% NEFE

Prod Csg:	5-1/2" 17# P110
Set @	12,111'
Cement w/	STG 1 w/ 575 sxs, circ 40 bbls off DVT
	STG 2 w/ 1050 sxs
	TOC @ 3400' temp survey

PBTD: 12,040'
 TD: 12,150'

32.7021942

-104.0005646

CTA State Com #2

Reservoir: Morrow

Well ID Info:	
API No	30-015-37119
Spud Date	7/3/2009

Surf Csg:	13-3/8" 54 SW J-55
Set @	422'
Cement w/	450 sxs
circ.	112 sxs

Inter Csg:	12 25" 36# J-55
Set @	3413'
Cement w/	1150 sxs
circ.	10 sxs

Parker set @ 11,407'

Upper Morrow Perfs. 11,490' - 11,500'
Acidz w/ 250 gal 7-1/2% NEFE

CIBP @ 11,600'

Morrow: Perfs. 11,850-11,856'
Acidz w/ 750 gal 7-1/2% NEFE

Prod Csg:	5-1/2" 17# P110
Set @	12,111'
Cement w/	STG 1 w/ 575 sxs, circ 40 bbls off DVT
	STG 2 w/ 1050 sxs
	TOC @ 3400' temp survey

DVT @ 9250'

PBTD: 12,040'
TD: 12,150'

- 422
9. Spot 160 sx cmt @ ~~475~~ Surface. (Shoe, T/Salt)
PERF & SQ - WOC & TAG
8. Spot 40 sx cmt @ 1000-900'.
7. Spot 50 sx cmt @ 3465-3350'. WOC & Tag (Stub & Shoe)
6. Cut & POH w/ 5 1/2" csg @ 3400 +/-
5. Spot 25 sx cmt @ 3650-3550'. (San Andres)
4. Spot 25 sx cmt @ 7000-6000'.
3. Spot 25 sx cmt @ 9340-9240'. WOC & Tag (Wolfcamp & possible DV Tool).
2. Set 5 1/2 CIBP @ 11,440'. Circulate hole w/ MLF. Pressure test csg.
Spot 25 sx cmt @ 11,440-11,300'. *WOC & TAG*
1. Tag 5 1/2 CIBP @ 11,600'.

32.7021942

-104.0005646

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. **Squeeze pressures are not to exceed 500 psi, unless approval is given by NMOCD.**
7. Produced water **will not** be used during any part of the plugging operation.
8. Mud laden fluids must be placed between all cement plugs mixed at 25 sacks per 100 bbls of water.
9. 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.
10. **Class 'C' cement will be used above 7500 feet.**
11. **Class 'H' cement will be used below 7500 feet.**
12. **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**
13. **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**
14. 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
15. **A CIBP is to be set within 100' of production perforations, capped with 100' of cement, WOC 4 hours and tag.**

16. 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)**.
17. No more than **3000'** is allowed between cement plugs in cased hole and **2000'** in open hole.
18. 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.**
19. **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 REQUIREMENTS

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)