

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

Form C-103  
Revised August 1, 2011

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

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b> (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.)		WELL API NO. 30-015-03028
1. Type of Well: Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/>		5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
2. Name of Operator COG OPERATING LLC		6. State Oil & Gas Lease No. B-1266
3. Address of Operator 600 W. ILLINOIS AVE., MIDLAND, TEXAS 79701		7. Lease Name or Unit Agreement Name GJ WEST COOP UNIT
4. Well Location Unit Letter; P ; 330 feet from the SOUTH line and 330 feet from the EAST line Section 21 Township 17S Range 29E NMPM EDDY County		8. Well Number 024
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3,547' - GR		9. OGRID Number 229137
		10. Pool name or Wildcat GRAYBURG-JACKSON;QN-GB-SA

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 ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐  
COMMENCE DRILLING OPNS. ☐ P AND A ☐  
CASING/CEMENT JOB ☐

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.

- 1) SET 4-1/2" CIBP @ 3,950'; PUMP 25 SXS. CMT. @ 3,950'-3,750'; CIRC. WELL W/ PXA MUD.
- 2) PUMP 30 SXS. CMT. @ 3,400'-3,150' (7"CSG.SHOE, T/S.A.); WOC X TAG CMT. PLUG.
- 3) PUMP 25 SXS. CMT. @ 2,090'-1,970' (T/GB.)
- 4) MIX X CIRC. TO SURF. 80 SXS. CMT. @ 700'-3' (T/YATES, B/SALT, T/SALT, 8-5/8"CSG.SHOE).
- 5) DIG OUT X CUT OFF WELLHEAD 3' B.G.L.; WELD ON STEEL PLATE TO CSGS. X INSTALL DRY HOLE MARKER.

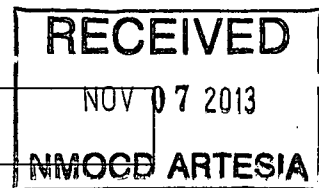
DURING THIS PROCEDURE WE PLAN TO USE THE CLOSED-LOOP SYSTEM W/ A STEEL TANK AND HAUL CONTENETS TO THE REQUIRED DISPOSAL, PER OCD RULE 19.15.17.

CONDITIONS OF APPROVAL ATTACHED

Approval Granted providing work is Completed by

Nov 12, 2014

Approved for plugging of well bore only.  
Liability under bond is retained pending receipt of C-103 (Subsequent Report of Well Plugging) which is released Date CD Web Page under Forms, www.cmnrd.state.nm.us/oed.



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

SIGNATURE David A. Eyler TITLE: AGENT

DATE: 11/05/13

Type or print name: DAVID A. EYLER

E-mail address: DEYLER@MILAGRO-RES.COM

PHONE: 432.687.3033

For State Use Only

APPROVED BY: David A. Eyler TITLE Dist. II Supervisor

DATE 11/12/2013

Conditions of Approval (if any):

See Attached COA's

# COG Operating LLC

Lease & Well #

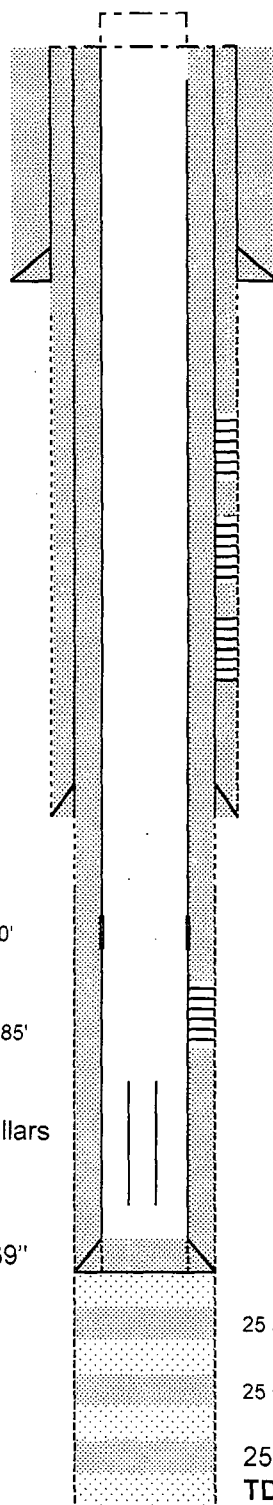
GJ West COOP Unit #24

30-015-03028

Spud-5/4/61

Elevation - 3547'

KB -



8 5/8" 24# @ 270', cmt w/ 50 sx.

**GB/SA** (All behind pipe)

2237-2530

Acidize w/500 gal, frac w/24,000 gal GW, 27,500 # sd

2544-2687

Acidize w/2000 gal, frac w/24,000 gal GW, 25,000 # sd

3235-60

Acidize w500 gal, frac w/24,000 gal GW, 27,500 # sd

.7" 20# csg @ 3348', cmt w/300 sx, circ. cmt..

Marker jt 3590'

DV tool @ 3785'

**Paddock:**

4000 - 4388 29 holes

Acidized w/2000 gal 15% NEFE

32,000 gal 20% HCL, 54,000 gal lg, 5000 gal 15% NEFE

1st stage: 100sx. 50/50 CPOZ, w/2.5#salt, 4/10% Halad-9

Circ. 25 sx to surf. 2nd stage: 225 sx. HOWCO LITE w/6#

flocele, tail 55sx. 50/50 CPOZ w/2.5# salt, 4/10 Hal-9, circ

4 1/2" 11.6# @ 4614'.

25 sk plug, 4765-4905

25 sk plug, 6062-6202

25 sk plug, 7238-7378

**TD 6 1/8" hole @ 7407'**

## Downhole Summary

~15' of 2-7/8" mud joint regular collars

Top of stuck mud joint ~4,441'

EOT 4,456'

PBTD 4,469'

# COG Operating LLC

Lease & Well #

GJ West COOP Unit #24  
30-015-03028

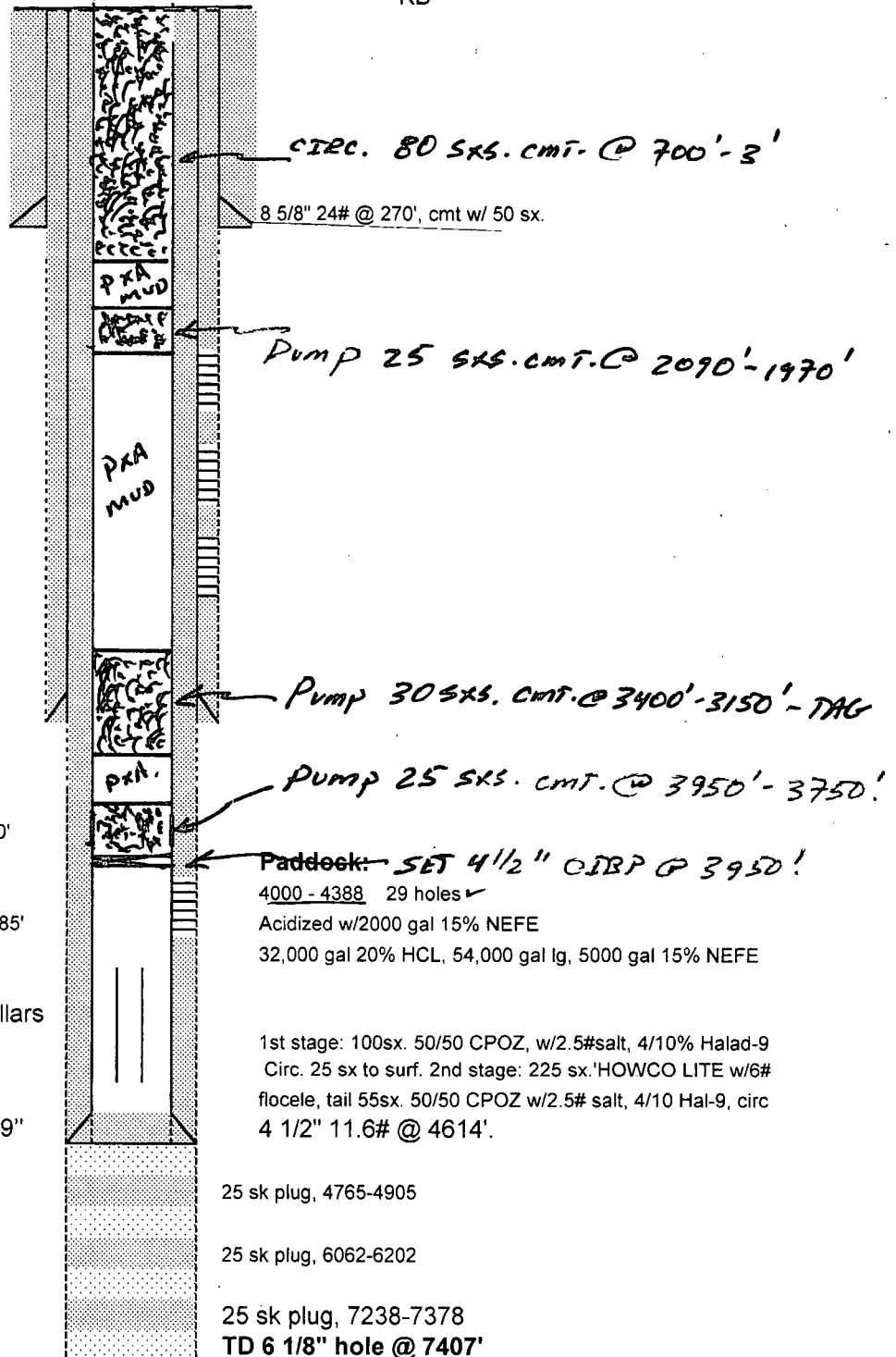
P-21-175-29E

Spud-5/4/61

330 FSL X 330 FEL

Elevation - 3547'

KB -



## Downhole Summary

~15' of 2-7/8" mud joint regular collars  
Top of stuck mud joint ~4,441'  
EOT 4,456'

PBTD 4,469"

NEW MEXICO OIL CONSERVATION DIVISION  
DISTRICT 2 OFFICE  
811 S. FIRST STREET  
ARTESIA, NM 88210  
(575)748-1283

CONDITIONS OF APPROVAL FOR PLUGGING & ABANDONMENT

Operator: COG

Well Name & Number: G J West Coop Unit #24

API #: 30-015-03028

1. Produced water **will not** be used during any part of the plugging & abandonment operation.
2. Notify NMOCD Dist. 2 office at least 24 hrs before beginning work.
3. Closed Loop System is to be used for entire plugging operation. Upon completion, contents of steel pit are to be hauled to a permitted disposal location.
4. 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 place prior to performing work. Drivers shall produce a copy upon request of NMOCD Field Inspectors.
5. A subsequent C-103 will serve as notification that the well bore has been plugged ONLY. A C-103 FINAL shall be filed before any bonding can be released on the well. Upon receipt of the Final, an inspection will be performed to verify that the location has been satisfactorily cleaned to NMOCD standards.
6. If work has not begun within 90 days of the approval of this procedure, an extension request must be filed, stating reason that well has not been plugged.
7. Every attempt must be made to clean the well bore out to below the perfs, before any plugs can be set, by whatever means possible.
8. Cement Retainers may not be used.

9. Squeeze pressures are not to exceed 500 PSI, unless approval is given by NMOCD.

10. Plugs may be combined after consulting with and getting approval from NMOCD.

11. Minimum WOC time for tag plugs will be 4 Hrs.

DATE: 11/12/2013

APPROVED BY: 

## GUIDELINES FOR PLUGGING AND ABANDONMENT

### DISTRICT II / ARTESIA

- All cement plugs will be a minimum of 100' in length or a minimum of 25 sacks of cement, whichever is greater.
- Mud laden fluids must be placed between all cement plugs.
- Mud laden fluids must be mixed at 25 sacks of gel per 100 bbls of water.
- A cement plug is required to be set 50' below and 50' above all casing shoes and casing stub plugs. These plugs must be tagged.
- A CIBP with 35' of cement on top may be set in lieu of 100' cement plug.
- A plug as indicated above must be placed within 100' of top perforation. This plug must be tagged.
- Plugs set below and above salt zones must be tagged.
- No more than 2000' is to be allowed between cement plugs in open hole and no more than 3000' in cased hole.
- DV tools are required to have a 100' cement plug set 50' above and below the tool and must be tagged.
- Formations to be isolated with plugs placed at the top of each formation are:
  - Fusselman
  - Devonian
  - Morrow
  - Wolfcamp
  - Bone Spring
  - Delaware
  - Any Salt Section (Plug at top and bottom)
  - Abo
  - Glorieta
  - Yates (this plug is usually at base of salt section)
- If cement does not exist behind casing strings at recommended formation depths, the casing must be cut and pulled with plugs set at these depths or casing must be perforated and cement squeezed behind casing at the formation depths.
- 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 common to the section penetrated and in suitable proportions, but not more than a 3% calcium chloride by weight of cement will be considered the desired mixture whenever possible (50' below and 50' above).