

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 July 18, 2013

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. 30-015-04048
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other <input type="checkbox"/> Water Injection		5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
2. Name of Operator Memorial Production Operating, LLC		6. State Oil & Gas Lease No. 310424
3. Address of Operator 1301 McKinney, Suite 2100 Houston, TX 77010		7. Lease Name or Unit Agreement Name Burnham Grayburg San Andres Unit
4. Well Location Unit Letter <u>N</u> : <u>660</u> feet from the <u>South</u> line and <u>1980</u> feet from the <u>West</u> line Section <u>2</u> Township <u>17S</u> Range <u>30E</u> NMPM Eddy County		8. Well Number <u>2A</u>
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3745'		9. OGRID Number 303900
		10. Pool name or Wildcat Square Lake GB SA

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input checked="" type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	P AND A <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	MULTIPLE COMPL <input type="checkbox"/>	CASING/CEMENT JOB <input type="checkbox"/>	
DOWNHOLE COMMINGLE <input type="checkbox"/>			
CLOSED-LOOP SYSTEM <input type="checkbox"/>			
OTHER: <input type="checkbox"/>		OTHER: <input type="checkbox"/>	

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.

See attached procedure and wellbore diagrams (current and proposed).

CONDITIONS OF APPROVAL ATTACHED

Approval Granted providing work is  
Completed by

Oct 10 2015

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.emnrd.state.nm.us/oed.

Spud Date:

Rig Release Date:

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

SIGNATURE Adonya Dryden TITLE Regulatory Agent DATE 7-28-14

Type or print name Adonya Dryden E-mail address: adonya.dryden@brammer.com PHONE: 318-429-2277

For State Use Only

APPROVED BY: JD Wade TITLE Dist #1 Supervisor DATE 10/10/14

Conditions of Approval (if any):

See Attached COA's

## Burnham GB SA Unit TR 6 Well #2A P&A PROCEDURE

API # 30-015-04048

### **PROCEDURE**

#### **Perform Safety Checks and Safety Meeting**

- 1) Perform a safety meeting prior to rigging up ANY equipment on location. Discuss the job procedure and objective with all personnel on location. Document the safety meeting on the daily report. Make note of all potential risks/hazards, and clearly identify an emergency route and emergency vehicle. Also make note of any new or inexperienced personnel on location.
- 2) Check pressures on tubing, production casing and surface casing. Record pressures on morning reports.

#### **Workover Rig Work**

- 3) MIRU workover rig with reverse unit.
- 4) Remove horsehead from pumping unit.
- 5) POOH W/ 2-3/8" tbg and 4-1/2" AD-1 packer set at 2850' +/-.
- 6) MIRU EWL. RIH W/4-1/2" GR/JB to 2900'. POOH. RIH W/4-1/2" CIBP/CCL and set CIBP @ 2900'.
- 7) RIH W/Bailer and dump bail 35' cmt on top of CIBP.
- 8) RIH W/tbg and model R packer. Set packer at 1500'. Pressure up on tbg (for 5 minute) to 500 psi to make sure casing/CIBP are holding. Pressure up on tbg/casing annulus to 500 psi (for 5 minutes). If casing does not hold pressure proceed to move packer and find where holes are located. If there are holes in the casing, squeeze holes with enough cmt to bring TOC up above the top of the salt. WOC. Drill out cmt in casing and test squeeze to 500 psi. POOH.
- 9) RIH W/tbg open ended and tag cmt plug on top of CIBP. Circulate the hole with plugging mud. Pump 100'+ cmt plug (20 sks) across 4-1/2" liner hanger, sufficient to have plug 50'+ below and above top of 4-1/2" liner hanger (2284'-2384'). WOC.
- 10) Tag plug set across 4-1/2" liner hanger. Pump 100'+ cmt plug (30 sks) across 8-5/8" shoe sufficient to bring plug 50' above/below 8-5/8" shoe (510'-610'). WOC.
- 11) Set 60' surface plug (15 sks).
- 12) Cut off wellhead and install dry-hole marker.
- 13) Clean and remediate location.

#### **Memorial Company Personnel**

NAME	TITLE	OFFICE #	CELLULAR #
Andrew Kobelan	Operations Engineer	832-408-8604	713-898-1183
Chris Sowyrda	Operations Engineer	713-490-8995	281-787-3967

Prepared by: Andrew Kobelan





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: Memorial Prod

Well Name & Number: Burnham Grayburg San Andres Unit # 2A

API #: 30-015-04048

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 1 year 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: 10/10/14

APPROVED BY: *RS*

## 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).