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

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

email 5-22-15

Form C-103
Revised August 1, 2011

	WELL API NO. 30-015-04058
	5. Indicate Type of Lease STATE ☒ FEE ☐
	6. State Oil & Gas Lease No.
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 Water Injection	7. Lease Name or Unit Agreement Name Burnham Grayburg San Andres
	8. Well Number: 3-A
2. Name of Operator **MEMORIAL PRODUCTION OPERATING, LLC**	9. OGRID Number: 303900
3. Address of Operator 1301 McKinney, Suite 2100 Houston, TX 77010	10. Pool name or Wildcat Sq Lake Grayburg San Andres
4. Well Location Unit Letter H : 1980' feet from the North line and 660' feet from the East line Section 2 Township 17-S Range 30-E NMPM County Eddy	
	11. Elevation *(Show whether DR, RKB, RT, GR, etc.)*

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

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
PERFORM REMEDIAL WORK	☐	PLUG AND ABANDON	☒	REMEDIAL WORK	☐	ALTERING CASING	☐
TEMPORARILY ABANDON	☐	CHANGE PLANS	☐	COMMENCE DRILLING OPNS.	☐	P AND A	☐
PULL OR ALTER CASING	☐	MULTIPLE COMPL	☐	CASING/CEMENT JOB	☐		
DOWNHOLE COMMINGLE	☐						
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.

TD 3221' PBTD 3191' PERFS:- 2910' – 37176'
8-5/8" csg 28# @ 571', w/25 sks , 10" TOC calc 315'
7" csg.20# @ 2445'w/100 sks 8-1/4 " TOC Calc 837'
4-1/2" Liner 10.5# csg. @ 3187' cmt unknown 6" hole, TOL, 2334'

1. MIRUWSU. NDWH. NUBOPE.
2. Tag CIBP @ 2875' w/50 sks of cement ,(covers TOL & cover Shoe)
3. Pressure Test casing to 500 psi and record/report findings
4. Set Plug w/25 sks of Class C cement, @ 1400' – 1200', WOC & TAG, (Bottom Salt)
5. Perf & Sqz w/ 70sks , @ 675'– 475', WOC & TAG (Top of Salt & Shoe)
6. Perf & Circulate w/100 sks of C cement 100'-Surface.
7. Cut off wellhead and anchors 3' below grade. Weld on dry hole marker. Clean location.
8. CLOSED LOOP SYSTEM USED.

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/ocd.

well Bore must be Plugged by 5/26/2016

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 TITLE Representative DATE 05/22/2015

Type or print name Robert Holden E-mail address: rholden@keyenergy.com PHONE: 432-523-5155

For State Use Only
APPROVED BY: TITLE DIST. SUPERVISOR DATE 5/26/2015
Conditions of Approval (if any):

☆ See Attached COA's

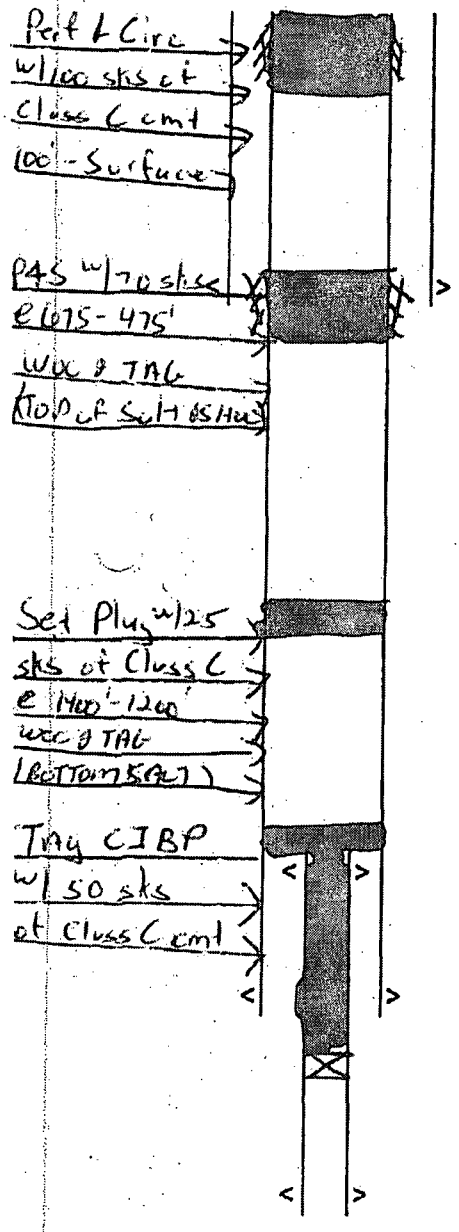
Proposed

Date: 1/14/09

Lease : Burnham Grayburg San Andres Unit County: EDDY

Well Number: 1-3 Sec: 2 API #: 30-015-04058

Well Location: 1980' FNL & 660' FEL Twn : 17S Range: 30E



Surface Casing Size: 8-5/8" Weight: Date Set: 11/43

Depth set : 571 Sx of Cement : 25 TOC :

Production Casing Size : 7" Weight: Date Set: 11/43

Depth set : 2445 Sx of Cement : 100 TOC :

Liner Casing Size: Weight: Date Set:

Top : Bottom: Sx of Cement :

Perforations : 2910' - 2918'

3008' - 3018'

3168' - 3176'

Total # of Holes : Hole Size:

Initial Stimulation:

Date:

Subsequent Stimulation:

Date:

Initial Potential : BOPD: MCFPD: BWPD:

Date: Method:

Elevations: GL 3755 KB DF

Total Depth: TD 3221' PBTD 3191'

2/73 Clean out to 3196' Remove 5-1/2" liner, install 4-1/2" liner

5-13-74 Convert to water injection 6/95 TA

CURRENT

Date: 1/14/09

Lease: Burnham Grayburg San Andres Unit County: EDDY

Well Number: 1-3 Sec: 2 API #: 30-015-04058

Well Location: 1980' FNL & 660' FEL Twn: 17S Range: 30E

Surface Casing Size: 8-5/8" Weight: Date Set: 11/43

Depth set: 571 Sx of Cement: 25 TOC:

Production Casing Size: 7" Weight: Date Set: 11/43

Depth set: 2445 Sx of Cement: 100 TOC:

Liner Casing Size: Weight: Date Set:

Top: Bottom: Sx of Cement:

Perforations: 2910' - 2918'

3008' - 3018'

3168' - 3176'

Total # of Holes: Hole Size:

Top Salt 575 Btm 1300'

Initial Stimulation:

Date:

Subsequent Stimulation:

Date:

Initial Potential: BOPD: MCFPD: BWPD:

Date: Method:

Elevations: GL 3755 KB DF

Total Depth: TD 3221' PBTD 3191'

2/73 Clean out to 3196' Remove 5-1/2" liner, install 4-1/2" liner

5-13-74 Convert to water injection 6/95 TA

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 3-A

API #: 30-015-04058

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.**

5/26/2015

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 plus 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).