Uttice	State of New Mexico	Form C-103
<u>District I</u> – (575) 393-6161	Energy, Minerals and Natural Resources	Revised July 18, 2013
1625 N. French Dr., Hobbs, NM 88240 District II – (575) 748-1283		30-015-33096
811 S. First St., Artesia, NM 88210	OIL CONSERVATION DIVISION	5. Indicate Type of Lease
<u>District III</u> – (505) 334-6178 1000 Rio Brazos Rd., Aztec. NM 87410	1220 South St. Francis Dr.	STATE T FEE
<u>District IV</u> -(505) 476-3460	Santa Fe, NM 87505	6. State Oil & Gas Lease No.
1220 S. St. Francis Dr., Santa Fe, NM 87505		
SUNDRY NOTIO	CES AND REPORTS ON WELLS	7. Lease Name or Unit Agreement Name
(DO NOT USE THIS FORM FOR PROPOS	ALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A	sill zi mahula
PROPOSALS.)		STHETTO-ET- COORD LOM
1. Type of Well: Oil Well	Gas Well 🔲 Other	8. Well Number 1
2. Name of Operator EMKEY COMPANIES, LLC.		9. OGRID Number 210099
3. Address of Operator 12221 MERTT DRIVE SUITE 620		10. Pool name or Wildcat
DALLAS.	TEXAS 75251	CEMETARY_MORROW
4. Well Location		CEMETARI-HORROW
Unit Letter H :	1980' feet from the NOPTH line and 76	0' feet from the EAST line
Section 21	Township 20S Range 25F	NMPM FORY County FDDY
	11. Elevation (Show whether DR, RKB, RT, GR, etc.	
	3461' GL	
	۰	
12. Check A	ppropriate Box to Indicate Nature of Notice,	Report or Other Data
CLOSED-LOOP SYSTEM	ge contraction on the second	é. Benege
OTHER:	OTHER:	
13. Describe proposed or compl	eted operations. (Clearly state all pertinent details, ar	nd give pertinent dates, including estimated date
of starting any proposed wo	rk). SEE RULE 19.15.7.14 NMAC. For Multiple Co	way later and Attacks will be no dia among ot
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# EMKEY COMPANIES, LLC.

## STILETTO "21" FEDERAL #1 1980' FNL & 760' FEL

#### SECTION 21 T20S- R25E EDDY CO. NM

- 1. Comply with all company, Federal and State environmental, safety and procedural regulations.
- 2. Load wellbore with 10ppg brine water.
- 3. MIRU Workover unit , NU BOP'S and function test.
- 4. Rig up Casing crews, spear 4 ½" casing and lay down 1650' + -.
- TIH with spear on work string and fish 4 ½" 11.6# N-80 LT&C casing to TOF 2 3/8" tubing at 2601'
- 6. RIH with overshot and fish 2 3/8" tubing to release from on off tool.
- 7. Run in hole with spear and fish 4 1/2" casing at 3620' and recover.
- 8. RIH with work string and recover packer at 9196' and POOH.
- 9. RIH with CICR and set at 9306+ ' and squeeze Lower Morrow Perfs.
- 10. Pump and tag cement plugs according to proposed wellbore diagram under BLM supervision load hole with 9 PPG minimum mud weight in hole.
- Cut off surface casing according to BLM/State requirements. Weld on plate and install dry hole marker.
- 12. Reclaim surface location in accordance with BLM requirements.





## 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: <u>Emkey</u>

Well Name & Number: Stiletto 21 Rederal Com #1 30-015-33096 **API #:** 

- 1. Produced water <u>will not</u> 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: 1/29/2015

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:
  - o Fusselman
  - o Devonian
  - o Morrow
  - o Wolfcamp
    - o Bone Spring
    - o Delaware
    - o Any Salt Section (Plug at top and bottom)
  - o Abo
  - o 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).