Submit 1 Copy To Appropriate District Office District I – (575) 393-6161	State of New Mexico Energy, Minerals and Natural Resources	Form C-103 Revised August 1, 2011			
1625-N. French Dr., Hobbs, NM 88240	snorgy, windows and water resources	WELL API NO.			
011 3. 1113t St., Artesia, NW 00210	OIL CONSERVATION DIVISION	30-015-41644 5. Indicate Type of Lease			
District III (- (505) 334-6178 1000 Rio Brazos Rd., Aztec, NM 87410	1220 South St. Francis Dr.	STATE S 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	1220 S. St. Francis Dr., Santa Fe, NM 87505				
SUNDRY NOTICES A	7. Lease Name or Unit Agreement Name				
(DO NOT USE THIS FORM FOR PROPOSALS T DIFFERENT RESERVOIR. USE "APPLICATION	Patton 5 Fee				
PROPOSALS.)	8. Well Number				
1. Type of Well: Oil Well Gas V 2. Name of Operator	9. OGRID Number				
. COG O	229137				
3. Address of Operator	10. Pool name or Wildcat				
	W. Illinois Ave., Midland, TX 79701	Atoka; Glorieta-Yeso			
4. Well Location	of the North line and	2228 feet from the West line			
Unit Letter F : 239 Section 5	Township 19S Range 26E	NMPM County Eddy			
	Elevation (Show whether DR, RKB, RT, GR, etc.				
	3366' GR				
12. Check Appro	priate Box to Indicate Nature of Notice	, Report or Other Data			
NOTICE OF INTEN	TION TO: SUI	BSEQUENT REPORT OF:			
PERFORM REMEDIAL WORK PLU	IG AND ABANDON ⊠ REMEDIAL WO	-			
· =	_	RILLING OPNS. P AND A			
1	LTIPLE COMPL CASING/CEMEI	ıı jor □			
DOWNHOLE COMMINGLE					
OTHER:	OTHER:				
	operations. (Clearly state all pertinent details, a SEE RULE 19.15.7.14 NMAC. For Multiple C	nd give pertinent dates, including estimated date			
proposed completion or recomple		ompletions. Attach wendore diagram of			
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		· ***			
Please s	ee the attached plugging and abando	n procedure.			
CONDITIONS OF APPROVAL ATTACHED		DEOFWER			
	Liability under bond is retained pending receipt of C-103 (Subsequent Report of Well Plugging)	RECEIVED			
Approval Granted providing work is	which may be found at OCD Web Page under	SEP 1 8 2013			
Completed by Sant 18 20)/4 Forms, www.cmnrd.state.nm.us/ocd.				
24110,20	<u></u>	NA OCD ARTESIA			
Spud Date:	Rig Release Date:	,			
		i			
I hereby certify that the information above	is true and complete to the best of my knowled	lge and belief.			
	ſ	•			
SIGNATURE AND A	TITLE Regulatory Analy	<u>DATE 09/17/2013</u>			
	p == 2 - 11	DVIONE: 400 (05 4005			
Type or print name Robyn M. Odom For State Use Only	E-mail address: <u>rodom@cor</u>	<u>hcho.com</u> PHONE: <u>432-685-4385</u>			
RODA	1. PSm	0 1 10 2 2			
APPROVED BY:	TITLE DISTALLUPUL	0150 \ DATE Sept 18, 2013			
Conditions of Approval (if any):					

* See Anached COA's

Patton 5 Fee #9 Wellbore Re-entry to P&A

Plugging Procedure

- 1. Make one call on location & road (Day 1)
- 2. Start to build location (Day 3) (Duration 5 days)
- 3. Build road (Day 9) (Duration 2 days)
- 4. Set anchors and cellar (Day 9) (Duration 1 day)
- 5. MIRU WSU (Day 11) (Duration 8 days)
- 6. Remove dry hole marker. Weld on casing head
- 7. Install 5k BOPE
- 8. PU bit, (6) DC and WS
- 9. RIH to first tag and begin drilling out cement
- 10. Note returns, ROP and continue to DO to a depth of 2,550'
- 11. TOOH LD bit, DC
- 12. TIH open ended to 2,550
- 13. Spot 50 sk Class C + 2% CaCl plug
- 14. Pull up to 2,000' and reverse cement out of tubing
- 15. WOC cement
- 16. Tag plug @ +/-2060
- 17. Pull up to 1,300
- 18. Spot 50 sk Class C + 2% CaCl
- 19. Pull up to 700' and reverse cement out of tubing
- 20. WOC
- 21. Tag plug @ +/-810'
- 22. Pull up to 400'
- 23. Spot 50 sk plug to surface
- 24. TOOH and LD WS
- 25. Ensure cmt falls out of tubing while TOOH
- 26. WOC cement 12 hrs
- 27. Set 10 sk top out plug on surface
- 28. WOC
- 29. Cut off casing head/casing at surface
- 30. Install dry hole marker
- 31. RDMO (Day 20)
- 32. Remediate location (Duration 7 days)
- 33. P&A Complete (28 days total time)

Office	rate District		State of New M	lexico		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			WELL API NO.		
<u>District II</u> = (575) 748-1283 811 S. First St., Artesia, NN		OIL CONSERVATION DIVISION			£	115-41644
<u> District III</u> - (505) 334-617	×	12	220 South St. Fr	ancis Dr.	5. Indicate Type o	
1000 Río Brazos Rd., Azte		•	Santa Fe, NM		STATE 6. State Oil & Gas	J FEE 🖄
<u>District IV</u> = (505) 476-346 1220 S. St. Francis Dr., San			34114 1 C, 1 1211 1	37305	6. State Off & Gas	Lease No.
875()5				:		
			PORTS ON WELL		7. Lease Name or	Unit Agreement Name
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A' OFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH						
PROPOSALS.)					ton 5 Fee	
1. Type of Well: Oil		Gas Well 🗌	Other		8. Well Number	9
2. Name of Operator					9. OGRID Numbe	r 229137
3		COG Operating	LLC			
3. Address of Operato		- (00 N) 111	A A ACADE 1000		10. Pool name or	
	cno Center	, 600 W. Hilmois	Ave., Midland, TX	. /9/01	Atoka; (Glorieta-Yeso
4. Well Location						
Unit Letter_	<u> </u>		et from the <u>No</u>	orth line and	2228 feet from	n the <u>West</u> line
Section	5		ownship 198	Range 26E	NMPM	County Eddy
		11. Elevatio		R, RKB, RT, GŖ, et	c.)	
			336	6' GR		
6						
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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 Operating, CCC	
Well Name & Number: Patton 5 Fee #9	
API #: <u>30-015- 41644</u>	

1. Produced water <u>will not</u> be used during any part of the plugging & abandonment operation.

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- 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: 9/18/13

APPROVED BY: ADall

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
 - 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).