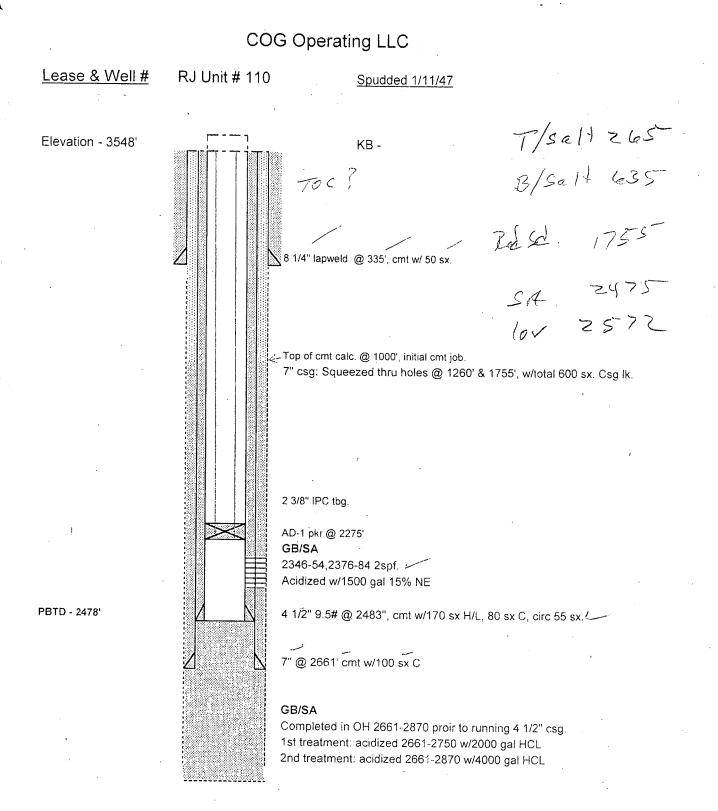
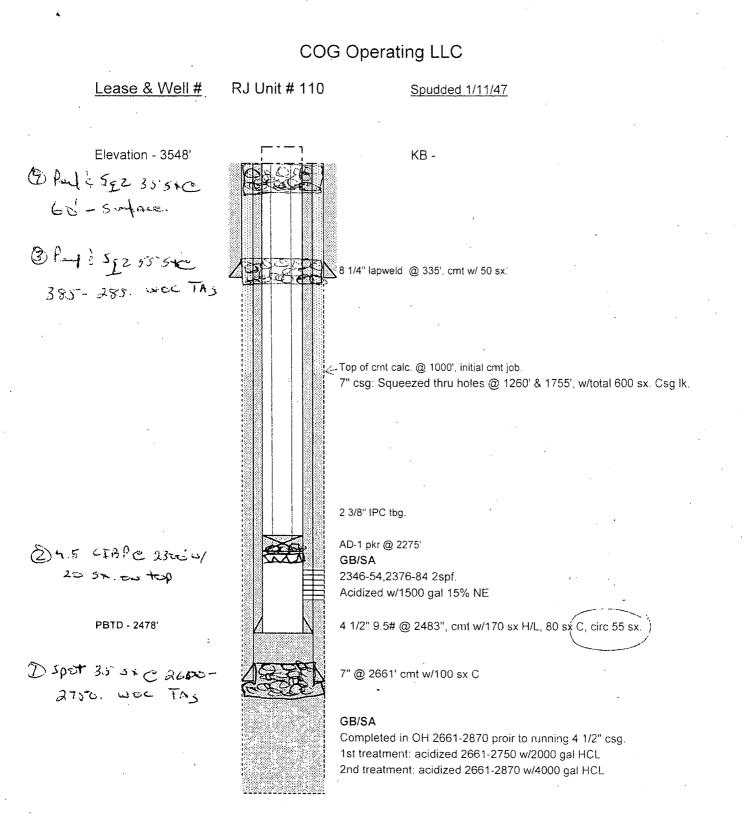
BUREAU OF LAND MANAGEMENT     UDJ ARTESIA     BUNDARY NOTICES AND REPORTS ON WELLS     Do not use this form for proposals to drill or to re-enter an     anadonon well. Use form 306-3 (APD) for such proposals.     SUBMIT IN TRIPLICATE - Other Instructions on page 2     If this or CAAgement, Name and     BUNDARY AND THE PORTS     SUBMIT IN TRIPLICATE - Other Instructions on page 2     If this or CAAgement, Name and     BUNDARY AND THE PORTS     SUBMIT IN TRIPLICATE - Other Instructions on page 2     If this or CAAgement, Name and     BUNDARY AND THE PORTS     SUBMIT IN TRIPLICATE - Other Instructions on page 2     If this or CAAgement, Name and     BUNDARY AND THE PORTS     SUBMIT IN TRIPLICATE - Other Instructions on page 2     If this or CAAgement, Name and     BUNDARY AND THE PORTS     SUBMIT IN TRIPLICATE - Other Instructions on page 2     If this or CAAgement, Name and     BUNDARY AND THE PORTS     SUBMIT IN TRIPLICATE - Other Instructions on page 2     If this or CAAgement, Name and     BUNDARY AND THE PORTS     COAGE OFERATING LC     E-Mait: abbym@comandessociates.com     SUBMIT TO THE PORTS     SUBMIT IN TRIPLICATE - Other Instructions on page 2     If this or CAAgement, Name and     SUBMIT IN TRIPLICATE - Other Instructions     SUBMIT IN TRIPLICATE - Other Instructions on page 2     If this or CAAgement, Name and     SUBMIT IN TRIPLICATE - Other Instructions on page 2     If this or CAAgement, Name and     SUBMIT IN TRIPLICATE - Other Instructions on page 2     If this or CAAgement, Name and     SUBMIT IN TRIPLICATE - Other Instructions on page 2     If this or CAAgement, Name and     If this proposal to complete Instit this or CAAgement, Name and     If t	Form 3160-5 (Juni 2015) UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT				FORM APPROVED OMB NO. 1004-0137 Expires: January 31, 2018	
Do not use this form for proposals to diffier to re-ontra an abandoned with use form 3folds (APD) for submorphores.       6. (Findian, Allence or Trike Mane:         SUBMIT IN TRIPLICATE - Other instructions on page 2       1. (Findian Allence or Trike Mane:         0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.	SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals. SUBMIT IN TRIPLICATE - Other instructions on page 2			esia 5	<ol> <li>Lease Serial No. NMLC028775B</li> <li>If Indian, Allottee or Tribe Name</li> <li>Tif Unit or CA/Agreement, Name and/or 8910123980</li> <li>Well Name and No.</li> </ol>	
Type of Well     Out Well				6		
D UNCH       D State (1) Description       PLURT 110         2. Name of Operating       Consist: ABIGAL ANDERSON       9. API Well No. 30015-200-51         3. Address       Display of the Association of Well (Processor, Sec. 17, R. M. or Survey Description)       B. Phone No. (include area sode)       Display of the Association of Well (Processor, Sec. 17, R. M. or Survey Description)         4. Leastion of Well (Processor, Sec. 17, R. M. or Survey Description)       11. County or Parish, State       EDDY COUNTY, NM         12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA       TYPE OF ACTION       User Shin         13. Subsequent Report       D Acidize       Deepen       Production (Star/Resume)       Water Shin         13. Obscription Report       D Acidize       Deepen       Production (Star/Resume)       Water Shin         14. Back Casing       D Hyage and Audonon       TYPE OF ACTION       Water Shin       D Water Shin         15. Obscription Report       D Acidize       Deepen       Production (Star/Resume)       Water Shin         15. Obscription of complete Dorizontably or sconglete Nortice and Prove Comstruction       Recomplete       Other       Other         16. The proposal of Complete Report       D Net work and approximate duration the file within Star and the star study for the star study				7		
2         Name of Operator         0.4.000         0.4.000         0.4.000         0.3.0015-03152-00-51           3a. Address         0.0000         0.0000         0.0000         0.000				8		
BOD WILLINOIS AVENUE       Ph: 432-580-7161       GRAYBURG JACKSON         MIDLAND, X T8701       Ph: 432-580-7161       GRAYBURG JACKSON         4. Loadion of Vell (Poologe, Sec. T. R. M., or Survey Description)       Sec 27 T17S R29E SWNE Tract 2 1980FNL 1980FEL       EDDY COUNTY, NM         12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA       TYPE OF SUBMISSION       II. Coursy or Parish, State         B Notice of Intent       Actidize       Deepen       Production (Stat/Resume)       Water Shn         GRAYBURG ACKSON       IVPE OF ACTION       Water Shn       Water Shn         B Notice of Intent       Actidize       Deepen       Production (Stat/Resume)       Water Shn         GRAYBURG ACKSON       IVPE OF ACTION       Water Shn       Becomplete       Other         Subsequent Report       Change Plans       B'Pug and Annohon       Temporanity Abandoon       Itemporanity Abandoon<	2. Name of Operator	Contact:		9		
Sec 27 117S R29E SWNE Tract 2 1980FNL 1980FEL       EDDY COUNTY, NM         12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA         TYPE OF SUBMISSION       TYPE OF ACTION         Image: State of the stat	600 W ILLINOIS AVENUE Ph: 432-580-71			) 1	10. Field and Pool or Exploratory Area GRAYBURG JACKSON	
TYPE OF SUBMISSION       TYPE OF ACTION         Image: Subsequent Report       Acidize       Deepen       Production (Start/Resume)       Water Shu         Image: Subsequent Report       Casing Repair       New Construction       Recomplete       Other         Image: Subsequent Report       Casing Repair       New Construction       Recomplete       Other         Image: Subsequent Report       Change Plans       Image: Subsequent Report       Other       Other         13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration the filte proposal is to deepen directionally or recomplete in results an antipic completion or new vertical deptils of all pertinent maters and a following estimated starting date of any proposed work and approximate duration the filte proposal work and approximate duration the following of the proposal work and approximate duration the following of the proposal work and approximate duration the following of the operation.       Second Apple						
Image: Subsequent Report       Image: Acidize       Image: Decemption of the image: Subsequent Report	12. CHECK THE A	PPROPRIATE BOX(ES)	TO INDICATE NATURE O	OF NOTICE, R	EPORT, OR OT	HER DATA
Notice of Intent Alter Casing Hydraulic Fracturing Reclamation Well Integ Casing Report Casing Repo	TYPE OF SUBMISSION		ТҮРЕ С	F ACTION		
13. Describe Proposed or Completed Operation. Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration th         If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and             Attach the Bond under which the work will be performed on provide the Bond Moo. of the with BLM/MA. Required subsequent reports subs the filed             testing has been completed. Final Abandment Notices must be filed onto No. on file with BLM/MA. Required subsequent reports subs the filed             testing has been completed. Final Abandment Notices must be filed onto No. on file with BLM/MA. Required subsequent reports must be filed             testing has been completed. Final Abandment Notices must be filed on Market.            1. Specified expressions.         1. Specified expression file involved to the wir/MEF. PSTD @ 2478.           2. Set 4.5 CIPP @2300. Spot 20*sx cmt on top. Pressure test csg. to 500 psi. Circulate hole w/ 25 55 file. Appendent Notices.           3. Perif & Sqr 2.6 sw @ 865.266. WOC & Tag. 21.7 - School	Subsequent Report	<ul> <li>Alter Casing</li> <li>Casing Repair</li> <li>Change Plans</li> </ul>	<ul> <li>Hydraulic Fracturing</li> <li>New Construction</li> <li>Plug and Abandon</li> </ul>	<ul> <li>Reclamation</li> <li>Recompletion</li> <li>Temporarion</li> </ul>	on te ly Abandon	🗖 Well Integ
SEE ATTACHED FOR         14. 1 hereby certify that the foregoing is true and correct. Electronic Submission #463572 verified by the BLM Well Information System         CONDITIONS OF APPROVA For COG OPERATING LLC, sent to the Carlsbad Committed to AFMSS for processing by PRISCILLA PEREZ on 04/30/2019 (19PP1873SE)         Name (Printed/Typed)       ABIGAIL ANDERSON       Title       AGENT         Signature       (Electronic Submission)       Date       04/30/2019         THIS SPACE FOR FEDERAL OR STATE OFFICE USE         Approved By       Title       Suff.         Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant to conduct operations thereon.       Title       Suff.         Title & U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the Un States and fast fortious or fraudulent statements or representations as to any matter within its jurisdiction.	Attach the Bond under which the wo following completion of the involved testing has been completed. Final A determined that the site is ready for the 1. Spot 35 sx @ 2650 <sup>1</sup> WOC 2. Set 4.5" CIBP @ 2300'. Sp MLF. 3. Perf. & Sgz 45 sx @ 385-26	rk will be performed or provide toperations. If the operation re bandonment Notices must be fil inal inspection. & Tag: Circulate hole w/H ot 20 sx cmt on top. Press & OO - / GOO S5 WOC & Tag. 2/5-	the Bond No. on file with BLM/BI sults in a multiple completion or rec led only after all requirements, inclu MLF. PBTD @ 2478 sure test csg. to 500 psi. Circ Share & T-Sold	A. Required subsecompletion in a new ding reclamation, 1	v interval, a Form 310 have been completed	e filed within 30 day 50-4 must be filed c and the operator ha
For COG OPERATING LLC, sent to the Carlsbad Committed to AFMSS for processing by PRISCILLA PEREZ on 04/30/2019 (19PP1873SE)         Name (Printed/Typed)       ABIGAIL ANDERSON       Title       AGENT         Signature       (Electronic Submission)       Date       04/30/2019         THIS SPACE FOR FEDERAL OR STATE OFFICE USE         Approved By       Title       Summed for the provent of	Attach the Bond under which the wo following completion of the involved testing has been completed. Final A determined that the site is ready for 1 1. Spot 35 sx @ 2650' WOC 2. Set 4.5'' CIBP @ 2300'. Sp MLF. 3. Perf. & Sqz 45 sx @ 385-26 4. Perf & Sqz 35 sx @ 60' to 5. Cut off wellhead and weld of	rk will be performed or provide d operations. If the operation re bandonment Notices must be fil inal inspection. <b>&amp; Tag: Circulate hole w/H</b> of 20° sx cmt on top. Press <b>&amp; OO</b> & Tag. <b>2/5</b> - Surface. on Below-Ground Dry Hol	e the Bond No. on file with BLM/BI sults in a multiple completion or rec led only after all requirements, inclu MLF. PBTD @ 2478 sure test csg. to 500 psi. Circ Shoe 500 psi. Circ	A. Required subsecompletion in a new ding reclamation, 1 and the hole w/ a black hole w/ a bla	v interval, a Form 310 have been completed	e filed within 30 day 50-4 must be filed of and the operator ha $7$ $A_{er} \neq 0$ $C_{er} \neq 5$ $B/s_{er} \neq 0$
Name (Printed/Typed)       ABIGAIL ANDERSON       Title       AGENT         Signature       (Electronic Submission)       Date       04/30/2019         THIS SPACE FOR FEDERAL OR STATE OFFICE USE         Approved By       Itele       Signature         Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.       Title       States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.	Attach the Bond under which the wo following completion of the involved testing has been completed. Final A determined that the site is ready for 1 1. Spot 35 sx @ 2650' WOC 2. Set 4.5'' CIBP @ 2300'. Sp MLF. 3. Perf. & Sqz 45 sx @ 385-26 4. Perf & Sqz 35 sx @ 60' to 5. Cut off wellhead and weld of	rk will be performed or provide d operations. If the operation re bandonment Notices must be fil inal inspection. <b>&amp; Tag: Circulate hole w/H</b> of 20° sx cmt on top. Press <b>&amp; OO</b> & Tag. <b>2/5</b> - Surface. on Below-Ground Dry Hol	e the Bond No. on file with BLM/BI sults in a multiple completion or rec led only after all requirements, inclu WLF. $PBTD @ 2478$ sure test csg. to 500 psi. Circ Shoe $27-50/4$ e Marker. Accepted for $Accepted for4^{1/2} @ cut -$	A. Required subsecompletion in a new ding reclamation, h ulate hole w/ $\frac{1}{2}$ 1	v interval, a Form 310 have been completed 3555 444 502 1000 77 67	e filed within 30 day 50-4 must be filed c and the operator ha 60-4 must be filed c and the operator ha 60-4 must be filed c 60-4 must
THIS SPACE FOR FEDERAL OR STATE OFFICE USE         Approved By       Title       5-5- Date         Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.       Title       Chicage of the conduct operations thereon.         Title (8 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the Un States on rales, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.       Office       Chicage of the Units of t	Attach the Bond under which the wo following completion of the involved testing has been completed. Final A determined that the site is ready for 1 1. Spot 35 sx @ 2650' WOC 2. Set 4.5" CIBP @ 2300'. Sp MLF. 3. Perf & Sqz 45 sx @ 385-26 4. Perf & Sqz 35 sx @ 60' to 3 5. Cut off wellhead and weld of Perfs Should Verify end S	rk will be performed or provide d operations. If the operation re bandonment Notices must be fil inal inspection. <b>&amp; Tag: Circulate hole w/1</b> of 20'sx cmt on top. Press <b>&amp; WOC &amp; Tag. 215-</b> <b>Structure</b> on Below-Ground Dry Hol <b>be deep pe</b> <b>be deep pe</b> <b>be true and correct.</b> <b>Electronic Submission #</b> <b>For COG C</b>	e the Bond No. on file with BLM/BI sults in a multiple completion or rec led only after all requirements, inclu WLF. $PBTD @ 2478$ sure test csg. to 500 psi. Circ Soc $Gag = Soc Gag$ e Marker. Accepted for $4^{1/2}$ @ $cut - 4^{1/2}$ e Marker.	A. Required subsecompletion in a new ding reclamation, 1 where hole w/ $\frac{1}{2}$ where $\frac{1}{2}$	ACHED F(	e filed within 30 da 50-4 must be filed of and the operator has 6-4 must be filed of 6-4 mu
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Title (8 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the Un States and talse, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.	Attach the Bond under which the wo following completion of the involved testing has been completed. Final A determined that the site is ready for f 1. Spot 35 cx @ 2650' WOC 2. Set 4.5" CIBP @ 2300'. Sp MLF. And Press 3. Perf. & Sqz 45 sx @ 385-26 4. Perf & Sqz 45 sx @ 385-26 4. Perf & Sqz 35 sx @ 60' to s 5. Cut off wellhead and weld of Perfs Should Verify cmt 14. I hereby certify that the foregoing i Cor Name (Printed/Typed) ABIGAIL Signature (Electronic	rk will be performed or provide d operations. If the operation re bandonment Notices must be fil inal inspection. & Tag: Circulate hole w/H of 20° sx cmt on top. Press WOC & Tag. 2/S surface. on Below-Ground Dry Hol be deep performed on the performance is true and correct. Electronic Submission # For COG C nmitted to AFMSS for proc ANDERSON Submission)	e the Bond No. on file with BLM/BI sults in a multiple completion or rec led only after all requirements, inclu WLF PSTD @ 2478 sure test csg. to 500 psi. Circ CShoe Grand Soc Marker. Galance CSC (CSC) CSC (CSC) CSC) (CSC) CSC) CSC) (CSC) CSC) (CSC) CSC) CSC) CSC) (CSC) CSC) CSC) CSC) (CSC) CSC) CSC) CSC) CSC) (CSC) CSC) CSC) CSC) CSC) CSC) CSC) CSC)	A. Required subse completion in a new ding reclamation, I what hole w/ Holes	ACHED F( OVERSOF A Streem	e filed within 30 da 50-4 must be filed of and the operator has $6$ , $A_{er} \neq 0$ $6$ , $f \neq 0$ 8/s = 5 + 0 $4^{1/2}$ $c$ OR PPROVA
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# 4/30/2019

### RJ Unit # 110 Wellbore diagram

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#### 4/25/2019

#### RJ Unit # 110 Wellbore diagram (2)

SH

### BUREAU OF LAND MANAGEMENT Carlsbad Field Office 620 East Greene Street Carlsbad, New Mexico 88220 575-234-5972

## Permanent Abandonment of Federal Wells Conditions of Approval

Failure to comply with the following Conditions of Approval may result in a Notice of Incidents of Noncompliance (INC) in accordance with 43 CFR 3163.1.

1. Plugging operations shall commence within <u>minety (90)</u> days from the approval date of this Notice of Intent to Abandon.

If you are unable to plug the well by the 90<sup>th</sup> day provide this office, prior to the 90<sup>th</sup> day, with the reason for not meeting the deadline and a date when we can expect the well to be plugged. Failure to do so will result in enforcement action.

The rig used for the plugging procedure cannot be released and moved off without the prior approval of the authorized officer. Failure to do so may result in enforcement action.

2. <u>Notification</u>: Contact the appropriate BLM office at least 24 hours prior to the commencing of any plugging operations. For wells in Chaves and Roosevelt County, call 575-627-0272; Eddy County, call 575-361-2822; Lea County, call 575-393-3612.

3. <u>Blowout Preventers</u>: A blowout preventer (BOP), as appropriate, shall be installed before commencing any plugging operation. The BOP must be installed and maintained as per API and manufacturer recommendations. The minimum BOP requirement is a 2M system for a well not deeper than 9,090 feet; a 3M system for a well not deeper than 13,636 feet; and a 5M system for a well not deeper than 22,727 feet.

4. <u>Mud Requirement:</u> Mud shall be placed between all plugs. Minimum consistency of plugging mud shall be obtained by mixing at the rate of 25 sacks (50 pounds each) of gel per 100 barrels of brine water. Minimum nine (9) pounds per gallon.

5. <u>Cement Requirement</u>: Sufficient cement shall be used to bring any required plug to the specified depth and length. Any given cement volumes on the proposed plugging procedure are merely estimates and are not final. Unless specific approval is received, no plug except the surface plug shall be less than 25 sacks of cement. Any plug that requires a tag will have a minimum WOC time of 4 hours.

, In lieu of a cement plug across perforations in a cased hole (not for any other plugs), a bridge plug set within 50 feet to 100 feet above the perforations shall be capped with 25 sacks of cement. If a bailer is used to cap this plug, 35 feet of cement shall be sufficient. Before pumping or bailing cement on top of CIBP, tag will be required to verify depth. Based on depth, a tag of the cement may be deemed necessary.

Unless otherwise specified in the approved procedure, the cement plug shall consist of either Neat Class "C", for up to 7,500 feet of depth or Neat Class "H", for deeper than 7,500 feet plugs.

6. <u>Dry Hole Marker</u>: All casing shall be cut-off at the base of the cellar or 3 feet below final restored ground level (whichever is deeper). The BLM is to be notified a minimum of 4 hours prior to the wellhead being cut off to verify that cement is to surface in the casing and all annuluses. Wellhead cut off shall commence within ten (10) calendar days of the well being plugged. If the cut off cannot be done by the 10<sup>th</sup> day, the BLM is to be contacted with justification to receive an extension for completing the cut off.

The well bore shall then be capped with a 4-inch pipe, 10-feet in length, 4 feet above ground and embedded in cement, unless otherwise noted in COA (requirements will be attached). The following information shall be permanently inscribed on the dry hole marker: well name and number, name of the operator, lease serial number, surveyed location (quarter-quarter section, section, township and range or other authorized survey designation acceptable to the authorized officer such as metes and bounds).

7. <u>Subsequent Plugging Reporting</u>: Within 30 days after plugging work is completed, file one original and three copies of the Subsequent Report of Abandonment, Form 3160-5 to BLM. The report should give in detail the manner in which the plugging work was carried out, the extent (by depths) of cement plugs placed, and the size and location (by depths) of casing left in the well. <u>Show date well was plugged</u>.

8. <u>Trash</u>: All trash, junk and other waste material shall be contained in trash cages or bins to prevent scattering and will be removed and deposited in an approved sanitary landfill. Burial on site is not permitted.

Following the submission and approval of the Subsequent Report of Abandonment, surface restoration will be required. See attached reclamation objectives.