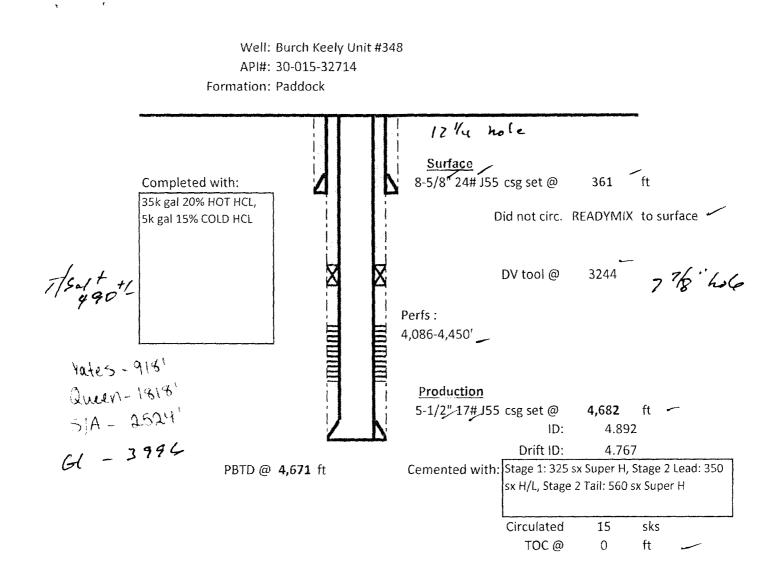
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals ECEIVED       5. Lease Serial No. NMLC028784C         SUBMIT IN TRIPLICATE - Other instructions on page 2       6. If Indian, Allottee or Tribe Name         SUBMIT IN TRIPLICATE - Other instructions on page 2       7. If Unit or CA/Agreement, Name and/or N         BO 01 Well       Gas Well       0 ther         SUBMIT IN TRIPLICATE - Other instructions on page 2       8. Well Name and No. BURCH KEELY UNIT 348         O 11 Well       Gas Well       0 ther         Source of Operator COG OPERATING, LLC       Contact: ABIGAIL MONTGOMERY E-Mail: Abbym@bornandassociates.com       9. API Well No. 30-015-32714         3a. Address 600 W. ILLINOIS MIDLAND, TX 79701       3b. Phone No. (include area code) Ph: 432-580-7161       10. Field and Pool or Exploratory Area GRBG JACKSON SR-Q-G-SA         4. Location of Well       (Footage, Sec., T, R., M., or Survey Description)       11. County or Parish, State         Sec 26 T17S R29E 635FNL 1980FWL 32.811065 N Lat, 104.047584 W Lon       11. County or Parish, State         L2. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA         TYPE OF SUBMISSION       TYPE OF ACTION         Acidize       Deepen       Production (Start/Resume)       Water Shut-O	Fornt 3160-5 (June 2015)	UNITED STATE: DEPARTMENT OF THE I	NTERIOR ARTESIA	DISTRICT OME	RM APPROVED 3 NO. 1004-0137 s: January 31, 2018	
abandoned well. Use form 3160-3 (APD) for such proposity ECEIVED     (a) Intuition Anticement Intervations     SUBMIT IN TRIPLICATE - Other instructions on page 2     (b) Intuition Anticement Intervations     (c) Intuition Anticement Intervation     (c) Intuition Anticement Intervation     (c) Intuition Anticement     (c) Intuition Anticement     (c) Intuition Anticement     (c) Intuition Anticement     (c) Intuition     (c	SUNE	DRY NOTICES AND REPO	RTS ON WELLS	1 2017 5. Lease Serial No	).	
SUBMIN IN INFLUENCE - UNIT SINULUATE - UNIT SINULUATE ON PAGE     SUBJECT AND SINULATE - UNIT SINULUATE - UNIT SINULUATES ON PAGE     SUBJECT AND SINULATES - UNIT SINULUATES ON PAGE     SUBJECT AND SINULATES - UNIT SINULUATES ON PAGE     SUBJECT AND SINULATES ON PAGE     SUBJECT AND SINULATION PAGE	Do not us abandone	se this form for proposals to d well. Use form 3160-3 (AP	drill or to re-enter an D) for such proposals RECE	6. If Indian, Allott	ee or Tribe Name	
is On Well Gas Well Gas Well Other       BURCHEELY UNIT 348         2 CMG OPERATING, LLC       E-Mail: Abbym@bcmendassocates.com       9. APD Well No.         is Address       3. Data of Cynessocates.com       9. APD Well No.         is Address       3. Data of Cynessocates.com       9. APD Well No.         is Address       3. Data No. (include area code)       10. Field and Pool or Exploring Area         MiDLAND X 19701       11. County or Parish, State       EDDY CO COUNTY, NM         Soc. 26 T175 R29E 635FNL 1980FWL       EDDY CO COUNTY, NM       EDDY CO COUNTY, NM         12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA       TYPE OF SUBMISSION       TYPE OF ACTION         13. Description					greement, Name and/or N	
COG OPERATING, LLC       E-Mail: Abbym@gbomandassocialise.com       30-015-32714         3e. Address       ON Field and Peol or Exploring Area       ORBG JACKSON SR-QC-SA         MDLAND, Y 19701       ID: Field and Peol or Exploring Area       ORBG JACKSON SR-QC-SA         MDLAND, Y 19701       ID: Control or Well       (Foodage, Sec. T. R. M. or Survey Description)       III. Country or Parish, State         Sc. 26 T17S R29E G35FWL 1980FWL       ID: Address       ID: CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA         TYPE OF SUBMISSION       TYPE OF ACTION       ID: Address       ID: Address       ID: Water Shurve)       Water Shurve)         Social or Complete       Address       ID: Address       ID: Check THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA         TYPE OF SUBMISSION       TYPE OF ACTION       Water Shurve)       Water Shurve)       Water Shurve)         Social or Complete Oregoning       Address is the Casing       IPydraulic Practuring       Resonantion       Well Integrity         IS bostice of Intent       Address is the Casing Bepair       New Construction       Resonantion       Well Integrity         IS bostice or Completed Oregonetic Intervint in gretorical ty new admenter toxicins and measured and the verical depth of all prefixement frequencies, including estimated transmither toxicins and approxinate duratin there if The proposition or depted Tim Admentervinte	••	□ Other		8. Well Name and BURCH KEEL	No. Y UNIT 348	
600 W, LLINOIS MDLAND, IX 79701       Ph: 432-586-7161       GRBG JACKSON SR-G-G-SA         4. Location of Well       (Foolage, Sec. T, R. M. or Survey Description)       11. County or Panish, State         Sec 26 T175 R29E GaSFNL 1980FWL 32.811065 N Lat, 104.047584 W Lon       EDDY CO COUNTY, NM         12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA         TYPE OF SUBMISSION       TYPE OF ACTION         8 Notice of Intent       Acidize       Deepen         9 Notice of Intent       Casing Repair       New Construction         9 Subsequent Report       Casing Repair       New Construction       Recomplete         10 Concer to Injection       Casing Repair       New Construction       Recomplete       Other         13 Describe Proposed or Completed Operation: Clearly state all publicher diffile, including estimated stated of any proposate and them the site set of final aspection of the wireb of paration. The operation of the wireb index of male aspectime and action determined the site set of final aspectime. Notice: must be filed only after all requirements, including reclamation, have been completed and every of approximation and the index of the site set of final aspectime. Notice: must be filed only after all requirements, including reclamation, have been completed and every of the filed one set of the site set of final aspectime. Notice: must be filed only after all requirements, including reclamation, have been completed and the with 30 days.         13. Describe Proposed or Completed Operatins. The interval, From 2020-9398.						
Boy CO COUNTY, NM     S2.811065 N Lat, 104.047584 W Lon      I.C. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA      TYPE OF SUBMISSION      I.C. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA      TYPE OF SUBMISSION      I.C. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA      TYPE OF SUBMISSION      I.C. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA      TYPE OF SUBMISSION      I. C. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA      TYPE OF SUBMISSION      I. C. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA      I. Setche Proposed or Completed The Casing Paper New Construction Recomplete     Convert to Injection     C. Change Plans      Subsequent Report      C. Convert to Injection     Plug Back     Water Disposal      Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting due of any proposed work and approximate duration there     If the proposed is to depend dreated induced to the WIMER MARKA Requered subsequent reports must be field with all days      testing bis box completed. The Abandomemer Notices must be field only after all requirements, including relamation, have been completed and the operator has     determined that the site is ready for final impaction.      Septi 25 sex cmit (g) 21244-3134/ WOX 8 Tag (DV TOO)     Sopi 25 sex cmit (g) 2124-3134/ WOX 8 Tag (DV TOO)     Sopi 25 sex cmit (g) 2124-3134/ WOX 8 Tag (DV TOO)     Sopi 25 sex cmit (g) 2124-3134/ WOX 8 Tag (DV TOO)     Sopi 25 sex cmit (g) 2124-3134/ WOX 8 Tag (DV TOO)     Sopi 25 sex cmit (g) 2124-3134/ WOX 8 Tag (DV TOO)     Sopi 25 sex cmit (g) 2124-3134/ WOX 8 Tag (DV TOO)     Sopi 25 sex cmit (g) 2124-3134/ WOX 8 Tag (DV TOO)     Sopi 25 sex cmit (g) 2124-3134/ WOX 8 Tag (DV TOO)     Sopi 25 sex cmit (g) 2124-3134/ WOX 8 Tag (DV TOO)     Sopi 25 sex cmit (g) 2124-31	600 W. ILLINOIS				or Exploratory Area	
32.811065 N Lat, 104.047584 W Lon         12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA         TYPE OF SUBMISSION         Subscuent Report       Acidize         Boilt of Intent       Change Repair         Boilt of Intent       Change Plans         Boilt of Intent on Internet Intention       Change Plans         Boilt of Intent on Internet Intention       Change Plans         Boilt State Proposed or Completed Operation Change Plans       Plans and Abandon         Tithe proposal of the intention Intervent Intention Intervent Intention Intervent Intention Intervent Intention Intervent Intention Intention Intervent Intention Intention Intention Intentintention Intentintent Intention Intention		Sec., T., R., M., or Survey Description	<u>1</u>	11. County or Par	ish, State	
TYPE OF SUBMISSION       TYPE OF ACTION         Image: Subsequent Report       Acidize       Deepen       Production (Start/Resume)       Water Shut-O         Image: Subsequent Report       Casing Repair       New Construction       Reclamation       Image: Other Completed Openations Calify Hydraulic Fracturing       Recomplete       Other         Image: Final Abandonment Notice       Casing Repair       New Construction       Recomplete       Other       Other         Image: Subsequent Report       Casing Repair       New Construction       Recomplete       Other       Other         Image: Subsequent Report       Casing Repair       New Construction       Recomplete       Other       Other         Image: Subsequent Report       Casing Repair       New Construction       Recomplete       Other       Other         Image: Subsequent Report       Casing Repair       New Construction       Recomplete       Other       Other         Image: Subsequent Report       Casing Repair       Image: Subsequent Report       Image: Subsequent Report       Other       Other         Image: Subsequent Report       Casing Repair       Image: Subsequent Report       Image: Subset Report </td <td></td> <td></td> <td></td> <td>EDDY CO C</td> <td>OUNTY, NM</td>				EDDY CO C	OUNTY, NM	
Notice of Intent   Acidize Decepen Production (Start/Resume) Water Shut-O   Subsequent Report Casing Repair New Construction Reclamation Will Integrity   Final Abandonment Notice Cange Plans Plug and Abandon Temporarily Abandon   Is Describe Proposed or Completed Operation: Carly state all pertinent details, including estimated starting date of any proposed work and approximate duration there if the proposal is to depend directionally or recomplete including estimated starting date of any proposed work and approximate duration there if the proposal is to depend directionally or recomplete including estimated starting date of any proposed work and approximate duration there if the proposal is to depend directionally or recomplete including estimated starting date of any proposed work and approximate duration there if the proposal is to depend of the work will be performed or provide the Bond No. of like with EMARA. Required usis/generit reports must be filed on the estimate in a multiple completion or recompletion in a new interval, a form 3160-4 must be filed on the estimate in a number of the involved operations. If the operation results in a multiple completion or recompleted in a new interval, a form 3160-4 must be filed on the estimate in a new interval, a form 3160-4 must be filed on the estimate in a new interval, a form 3160-4 must be filed on the estimate in a new interval, a form 3160-4 must be filed on the estimate in a new interval, a form 3160-4 must be filed on the estimate in a new interval, a form 3160-4 must be filed on the estimate in a new interval, a form 3160-4 must be filed on the estimate in a new interval, a form 3160-4 must be filed on the estimate in a new interval, a form 3160-4 must be filed on the estimate in a new interval, a form 325 storm 325 st	12. CHECK TH	IE APPROPRIATE BOX(ES)	TO INDICATE NATURE O	F NOTICE, REPORT, OR C	OTHER DATA	
Notice of Intent          Notice of Intent       Alter Casing       Hydraulic Fracturing       Reclamation       Well Integrity         Subsequent Report       Casing Repair       New Construction       Recomplete       Other         Final Abandonment Notice       Change Plans       Plug and Abandon       Temporarily Abandon         IS. Describe Proposed or Completed Operation. Clearly state all pertinent details, including estimated starting due of any proposed work and approximate duration there if the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zone testing had one due werk which we work will be performed or provide the Bond No. on file with BLMBIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleted and the vertical depths of all pertinent markers and zone testing had end under which were will be offend and reportment or pressure test case. Spot 25 sx crit @ 4036-3936f.         1. Set CIBP @ 4036. Circulate hole w/ MLF. Pressure test cag. Spot 25 sx crit @ 4036-3936f.       Spot 25 sx crit @ 4014-1748 : Woce & Tag (Yztes)         3. Spot 25 sx crit @ 4014-1748 : Woce & Tag (Yztes)       Spot 25 sx crit @ 4014-1748 : Woce & Tag (Yztes)       Spot 25 sx crit @ 4016-1748 : Woce & Tag (Yztes)         4. Spot 25 sx crit @ 4018-4148 : Woce & Tag (Yztes)       Spot 26 sx crit @ 4016-1748 : Woce & Tag (Yztes)       Spot 25 sx crit @ 4016-1748 : Woce & Tag (Yztes)         5. Spot 45 sx crit @ 918-818 : Woce & Tag (Yztes)       Spot 26 sx	TYPE OF SUBMISSION		TYPE OI	TYPE OF ACTION		
Subsequent Report     Subsequent Report     Gasing Repair     Casing Repair     Reconstruction     Recomplete     Gasing Repair     Casing Repair     Report     Casing Repair     Rev Construction     Recomplete     Convert to Injection     Convert	Notice of Intent	🗖 Acidize	🖸 Deepen	Production (Start/Resume	e) 🔲 Water Shut-O	
Final Abandonment Notice     Final Abandonment Notice     Generation     Gen		Alter Casing	Hydraulic Fracturing	Reclamation	Well Integrity	
Convert to Injection Plug Back Water Disposal Converted Operation. Clearly tate all pertinent details, including estimated starting, date of any proposed work and approximate duration there afted the Bond under which the work will be performed or provide the Bond No. on file with BLMBIA. Required subsequent reports must be filed within 30 days following completion of the work will be performed or provide the Bond No. on file with BLMBIA. Required subsequent reports must be filed within 30 days following completion of the work will be performed or provide the Bond No. on file with BLMBIA. Required subsequent reports must be filed within 30 days following completion of the work will be performed or provide the Bond No. on file with BLMBIA. Joint a new interval. Joint 30 days following completion.  1. Set CIBP @ 4036: Circulate hole will LF. Pressure test csg. Spot 25 sx crmt @ 4036-3936'.  2. Spot 25 sx crmt @ 1908-818'. WOC & Tag (VD Tool) 130' plus (100' + 100 m arewing the performance of the operator has determined that the site is ready for final inspection.  1. Set CIBP @ 4036: Circulate hole will MLF. Pressure test csg. Spot 25 sx crmt @ 4036-3936'.  2. Spot 25 sx crmt @ 1908-818'. WOC & Tag (VD Tool) 130' plus (100' + 100 m pre- 1000')  3. Spot 25 sx crmt @ 1918-818'. WOC & Tag (VD Tool) 130' plus (100' + 100 m pre- 1000')  3. Spot 25 sx crmt @ 1918-818'. WOC & Tag (VD Tool) 130' plus (100' + 100 m pre- 100')  3. Spot 25 sx crmt @ 1918-818'. WOC & Tag (VD Tool) 130' plus (100' + 100 m pre- 100')  3. Spot 25 sx crmt @ 1918-818'. WOC & Tag (VD Tool) 130' plus (100' + 100 m pre- 100')  3. Spot 25 sx crmt @ 1918-818'. WOC & Tag (VD Tool) 130' plus (100' + 100 m pre- 100')  3. Spot 25 sx crmt @ 1918-818'. WOC & Tag (VD Tool) 130' plus (100'	Subsequent Report	🗖 Casing Repair	New Construction	Recomplete Other		
3. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration there if the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical deptils of all pertinent maters and zone that the the proposed or Completion of the involved operation. If the operation results in a multiple completion or completion in a new interval, a Form 3160-4 must be filed one testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.  1. Set CIBP @ 4036'. Circulate hole w/ MLF. Pressure test csg. Spot 25 sx cmt @ 4038-3936'.  2. Spot 25 sx cmt @ 1010-4718'. WOG & Tag (DV Tool) / 13'O' Plum (10'O' + 10'%) per 10'e'' /  3. Spot 25 sx cmt @ 1010-4718'. WOG & Tag (DV Tool) / 13'O' Plum (10'O' + 10'%) per 10'e'' /  3. Spot 25 sx cmt @ 1010-4718'. WOG & Tag (Nates)  5. Spot 45 sx cmt @ 1010-4718'. WOG & Tag (Vates)  5. Spot 45 sx cmt @ 1010-4718'. WOG & Tag (Vates)  5. Spot 45 sx cmt @ 1010-4718'. WOG & Tag (Vates)  5. Spot 45 sx cmt @ 1010-4718'. WOG & Tag (Vates)  5. Spot 45 sx cmt @ 1010-4718'. WOG & Tag (Vates)  6. Cut off well head, verify cmt to surface, weld on dry hole marker.  7. Cut off well head, verify cmt to surface, weld on dry hole marker.  7. Tag (Completed Clary hole marker. 7. Set 25 cmt @ 1010-4718'. WOG & Tag (Vates)  7. Spot 25 sx cmt @ 100' Abuse Completed Clary hole marker. 7. Spot 25 sx cmt @ 10'e' flux the foregoing is true and correct. 7. Spot 25 sx cmt @ 10'e' abuse Clark completed and the operation for the subject of the work of the difference clark completed and correct. 7. Spot 26 sx cmt @ 40.142017 (Date 10'e' flux the foregoing is true and correct. 7. Spot 26 system Clark completed and correct. 7. Spot 26 system Clark completed and correct. 7. Spot 26 system Clark completed and correct. 7. Spot 2	Final Abandonment Not	ice 🔲 Change Plans	🛛 Plug and Abandon	Temporarily Abandon	J Temporarily Abandon	
If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true 'errical depths of all pertinent markers and zome Attach the Bord under which the work will be performed or provide the Bond No. on file with BLM/BLA. Required subsequent reports must be filed onto a file doed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection. 1. Set CIBP @ 4036f. Circulate hole w/ MLF. Pressure test csg. Spot 25 sx cmt @ 4036-3936f. 2. Spot 25 sx cmt @ 2924-3194. WOC & Tag (DV Tool) J 30' p Lung (roo' + roo % protoco / ) 3. Spot 25 sx cmt @ 1016-1746; WOC & Tag (DV Tool) J 30' p Lung (roo' + roo % protoco / ) 3. Spot 25 sx cmt @ 1016-1746; WOC & Tag (V Tool) J 30' p Lung (roo' + roo % protoco / ) 3. Spot 25 sx cmt @ 1016-1746; WOC & Tag (V Tool) J 30' p Lung (roo' + roo % protoco / ) 3. Spot 25 sx cmt @ 1016-1746; WOC & Tag (V Tool) J 30' p Lung (roo' + roo % protoco / ) 3. Spot 25 sx cmt @ 1016-1746; WOC & Tag (V Tool) J 30' p Lung (roo' + roo % protoco / ) 3. Spot 25 sx cmt @ 1016-1746; WOC & Tag (V Tool) J 30' p Lung (roo' + roo % protoco / ) 3. Spot 25 sx cmt @ 1016-1746; WOC & Tag (V Tool) J 30' p Lung (roo' + roo % protoco / ) 3. Spot 25 sx cmt @ 1016-1746; WOC & Tag (V Tool) J 30' p Lung (roo' + roo % protoco / ) 3. Spot 25 sx cmt @ 1016-1746; WOC & Tag (V Tool) J 30' p Lung (roo' + roo % protoco / ) 3. Spot 25 sx cmt @ 1016-1848; WOC & Tag (V Tool) J 30' p Lung (roo / ) 3. Spot 25 sx cmt @ 1016-1848; WOC & Tag (V Tool) J 30' p Lung (roo / ) 3. Spot 25 sx cmt @ 1016-1848; WOC & Tag (V Tool) J 20' p Lung (roo / ) 3. Spot 25 sx cmt @ 1016-1848; WOC & Tag (V Tool) J 20' p Lung (roo / ) 3. Spot 25 sx cmt @ 1016-1848; WOC & Tag (V Tool) J 20' p Lung (roo / ) 3. Spot 25 sx cmt @ 1016-1848; WOC & Tag (V Tool) J 20' p Lung (roo / ) 3. Spot 25 sx cmt @ 1016-1848; WOC & Tag (V Tool) J 20' p Lung (roo / ) 3. Spot 25 sx cmt @ 1016-1848; WOC & Tag (V Tool) J 20' p L		Convert to Injection	Plug Back	Water Disposal		
RECLAMAITON PROCEDURE ATTACHED CONDITIONS OF APProve Performed Level day hole marker required, 14. Thereby certify that the foregoing is true and correct. Electronic Submission #378809 verified by the BLM Well Information System For COG OPERATING, L.C., sent to the Carisbad Committed to AFMSS for processing by DEBORAH MCKINNEY on 06/14/2017 () Name (Printed/Typed) ABIGAIL MONTGOMERY Signature (Electronic Submission) Date 06/13/2017 THIS SPACE FOR FEDERAL OR STATE OFFICE USE Approved By Approved B	determined that the site is read 1. Set CIBP @ 4036'. Ci 2. Spot 25 sx cmt @ 329 3. Spot 25 sx cmt @ 164 4. Spot 25 sx cmt @ 918 5. Spot 45 sx cmt @ 411	ly for final inspection. rculate hole w/ MLF. Pressure 04-3194'. WOC & Tag (DV Toc 1 <del>8-171</del> 8'. <del>WOC &amp; Ta</del> g <del>(Queen</del> ) 8-818'. WOC & Tag (Yates) 1-Surface	test csg. Spot 25 sx cmt @ 4( D), 130' plug (100 (San Andres) 130' pl	036-3936'. 1' + 10 % per 100 lug from 2589'	", o') '- 2459'.	
ATTACHED CONDITIONS OF APPEND Sclow grown & Lewel dry hole marker required, 14. Thereby certify that the foregoing is true and correct. Electronic Submission #378809 verified by the BLM Well Information System For COG OPERATING, LLC, sent to the Carisbad Committed to AFMSS for processing by DEBORAH MCKINNEY on 06/14/2017 () Name (Printed/Typed) ABIGAIL MONTGOMERY Signature (Electronic Submission) Date 06/13/2017 THIS SPACE FOR FEDERAL OR STATE OFFICE USE Approved By Approved By Approved By Approved By Approved Jame applicant holds legal or equitable tilt to those rights in the subject lease hich for used reproved. If any, are attached. Approval of this notice does not warrant or mithy that the applicant holds legal or equitable tilt to those rights in the subject lease hich for used reproved. If any, are attached. Jupproval of this notice does not warrant or mithy that the applicant holds legal or equitable tilt to those rights in the subject lease hich for used and the the applicant holds legal or equitable tilt to those rights in the subject lease hich for used and the the applicant holds legal or equitable tilt to those rights in the subject lease hich for used and the the applicant holds legal or equitable tilt to those rights in the subject lease hich for used and the the applicant holds legal or equitable tilt to those rights in the subject lease hich for used and the applicant holds legal or equitable tilt to those rights in the subject lease hich for used and the the applicant holds legal or equitable tilt to those rights in the subject lease hich for used and the the applicant holds legal or equitable tilt to those rights in the subject lease hich for used and the the applicant holds legal or equitable tilt to those rights in the subject lease hich for used and the the applicant holds legal or equitable tilt to those rights in the subject lease hich for used the the applicant holds legal or equitable tilt to those rights in the subject lease hich for used to tholds legal or				BE OONE	HEDFOR	
14. 1 hereby certify that the foregoing is true and correct. Electronic Submission #378809 verified by the BLM Well Information System For COG OPERATING, L.C., sent to the Carlsbad Committed to AFMSS for processing by DEBORAH MCKINNEY on 06/14/2017 ()         Name (Printed/Typed)       ABIGAIL MONTGOMERY         Signature       (Electronic Submission)         Date       06/13/2017         THIS SPACE FOR FEDERAL OR STATE OFFICE USE         Approved By       Title         Onditions of approved, if any, are attached. Approval of this notice does not warrant or rtify that the applicant to conduct operations thereon.         Title       Suffice         Office       Office				CONDITION	S OF APPpon	
THIS SPACE FOR FEDERAL OR STATE OFFICE USE         Approved By       Image: Colspan="2">Title         Approved By       Image: Colspan="2">Title         Onditions of approval, if any, are attached. Approval of this notice does not warrant or entify that the applicant holds legal or equitable title to those rights in the subject lease which would entifie the applicant to conduct operations thereon.       Itele 18 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 Unite		لمعافدتك الأنزية بأعابك بتعاوي ويعتر والمتراب	e marker reg	sired,	<u>د.</u>	
THIS SPACE FOR FEDERAL OR STATE OFFICE USE         Approved By       Title       SPACE T       B: 25         Conditions of approval, if any, are attached. Approval of this notice does not warrant or ertify that the applicant holds legal or equitable title to those rights in the subject lease which would entifie the applicant to conduct operations thereon.       Title       SPACE T       B: 25       Date         Title 18 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 Unite       Office       Conditional conduct operations of the Unite		Electronic Submission # For COG (	OPERATING, LLC, sent to the C	II Information System arlsbad	record	
THIS SPACE FOR FEDERAL OR STATE OFFICE USE         Approved By       Image: Colspan="2">Title         Approved By       Image: Colspan="2">Title         Onditions of approval, if any, are attached. Approval of this notice does not warrant or entify that the applicant holds legal or equitable title to those rights in the subject lease which would entifie the applicant to conduct operations thereon.       Itele 18 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 Unite		Committed to AFMSS for	processing by DEBORAH MCK	INNEY on 06/14/2017 ()	und for is	
THIS SPACE FOR FEDERAL OR STATE OFFICE USE         Approved By	Name (Printed/Typed) ABIC	BAIL MONIGOMERY	Inthe AGENT	ef	Ster CU	
THIS SPACE FOR FEDERAL OR STATE OFFICE USE         Approved By       Title       SPACE TO FICE USE         Approved By       Image: Colspan="2">Title         Conditions of approval, if any, are attached. Approval of this notice does not warrant or ertify that the applicant holds legal or equitable title to those rights in the subject lease hick would entitle the applicant to conduct operations thereon.       Title       SPACE TO FICE USE         Title       SPACE TO FICE USE       Title       SPACE TO FICE USE	Signature (Elec	tronic Submission)	Date 06/13/2	1017	NIN A.L.B	
Approved By <u>Title</u> <u>Title</u> <u>SACE</u> <u>Date</u> Conditions of approved, if any, are attached. Approval of this notice does not warrant or ertify that the applicant holds legal or equitable title to those rights in the subject lease which would entifie the applicant to conduct operations thereon. <u>Office</u> <u>Office</u> <u>Title 18 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 Unite</u>		THIS SPACE F	OR FEDERAL OR STATE	OFFICE USE		
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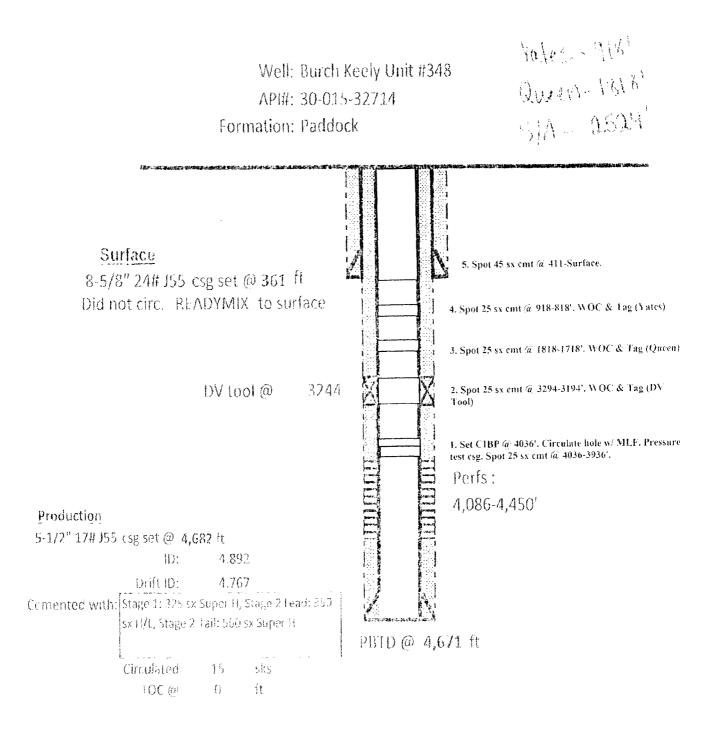
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## BUREAU OF LAND MANAGEMENT Carlsbad Field Office 620 East Greene Street. Carlsbad, New Mexico 88220 575-234-5972

## Permanent Abandonment of Federal Wells Conditions of Approval (LPC Habitat)

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>ninety (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>Below Ground Level Cap (Lesser Prairie-Chicken Habitat)</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. Upon the plugging and subsequent abandonment of wells that are located in lesser prairie-chicken habitat, the casings shall be cut-off at the base of the cellar or 3 feet below final restored ground level (whichever is deeper). The well bore shall then be covered with a metal plate at least ¼ inch thick and welded in place. A weep hole shall be left in the plate and/or casing.

NMOCD also requires the operator to notify NMOCD when this type of dry hole marker is used. This can be done on the subsequent report of abandonment which is submitted to the BLM after the well is plugged. State that a below ground cap was installed as required in the COA's from the BLM.

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.

<u>Timing Limitation Stipulation/ Condition of Approval for Lesser Prairie-Chicken:</u> From March 1<sup>st</sup> through June 15<sup>th</sup> annually, abandonment activities will be allowed except between the hours from 3:00 am and 9:00 am. Normal vehicle use on existing roads will not be restricted



## United States Department of the Interior

BUREAU OF LAND MANAGEMENT Carlsbad Field Office 620 E. Greene St. Carlsbad, New Mexico 88220-6292 www.blm.gov/nm



In Reply Refer To: 1310

## **Reclamation Objectives and Procedures**

**Reclamation Objective:** Oil and gas development is one of many uses of the public lands and resources. While development may have a short- or long-term effect on the land, successful reclamation can ensure the effect is not permanent. During the life of the development, all disturbed areas not needed for active support of production operations should undergo "interim" reclamation in order to minimize the environmental impacts of development on other resources and uses. At final abandonment, well locations, production facilities, and access roads must undergo "final" reclamation so that the character and productivity of the land and water are restored.

The long-term objective of final reclamation is to set the course for eventual ecosystem restoration, including the restoration of the natural vegetation community, hydrology, and wildlife habitats. In most cases this means returning the land to a condition approximating or equal to that which existed prior to the disturbance. The final goal of reclamation is to restore the character of the land and water to its predisturbance condition. The operator is generally not responsible for achieving full ecological restoration of the site. Instead, the operator must achieve the short-term stability, visual, hydrological, and productivity objectives of the surface management agency and take steps necessary to ensure that long-term objectives will be reached through natural processes.

To achieve these objectives, remove any and all contaminants, scrap/trash, equipment, pipelines and powerlines. Strip and remove caliche, contour the location to blend with the surrounding landscape, redistribute the native soils, provide erosion control as needed, rip and seed as specified in the original APD COA. This will apply to well pads, facilities, and access roads. Barricade access road at the starting point. If reserve pits have not reclaimed due to salts or other contaminants, submit a plan for approval, as to how you propose to provide adequate restoration of the pit area.

- The Application for Permit to Drill or Reenter (APD, Form 3160-3), Surface Use Plan of Operations must include adequate measures for stabilization and reclamation of disturbed lands. Oil and Gas operators must plan for reclamation, both interim and final, up front in the APD process as per Onshore Oil and Gas Order No. 1.
- 2. For wells and/or access roads not having an approved plan, or an inadequate plan for surface reclamation (either interim or final reclamation), the operator must submit a proposal describing the procedures for reclamation. For interim reclamation, the appropriate time for submittal would be when filing the Well Completion or Recompletion Report and Log (Form 3160-4). For final reclamation, the appropriate time for submittal would be when filing the Notice of Intent, or the Subsequent Report of Abandonment, Sundry Notices and Reports on Wells (Form 3160-5). Interim reclamation is to be completed within 6 months of well completion, and final reclamation is to be completed within 6 months.
- 3. The operator must file a Subsequent Report Plug and Abandonment (Form 3160-5) following the plugging of a well.
- 4. Previous instruction had you waiting for a BLM specialist to inspect the location and provide you with reclamation requirements. If you have an approved Surface Use Plan of Operation and/or an approved Sundry Notice, you are free to proceed with reclamation as per approved APD. If you have issues or concerns, contact a BLM specialist to assist you. It would be in your interest to have a BLM specialist look at the location and access road prior to the removal of reclamation

equipment to ensure that it meets BLM objectives. Upon conclusion submit a Form 3160-5, Subsequent Report of Reclamation. This will prompt a specialist to inspect the location to verify work was completed as per approved plans.

- 5. The approved Subsequent Report of Reclamation will be your notice that the native soils, contour and seedbed have been reestablished. If the BLM objectives have not been met the operator will be notified and corrective actions may be required.
- 6. It is the responsibility of the operator to monitor these locations and/or access roads until such time as the operator feels that the BLM objective has been met. If after two growing seasons the location and/or access roads are not showing the potential for successful revegetation, additional actions may be needed. When you feel the BLM objectives have been met submit a Final Abandonment Notice (FAN), Form 3160-5, stating that all reclamation requirements have been achieved and the location and/or access road is ready for a final abandonment inspection.
- 7. At this time the BLM specialist will inspect the location and/or access road. If the native soils and contour have been restored, and the revegetation is successful, the FAN will be approved, releasing the operator of any further liability of the location and/or access road. If the location and/or access road have not achieved the objective, you will be notified as to additional work needed or additional time being needed to achieve the objective.

If there are any questions, please feel free to contact any of the following specialists:

Jim Amos Supervisory Petroleum Engineering Tech 575-234-5909, 575-361-2648 (Cell)

Arthur Arias Environmental Protection Specialist 575-234-6230

Henryetta Price Environmental Protection Specialist 575-234-5951

Shelly Tucker Environmental Protection Specialist 575-234-5979

Trishia Bad Bear, Hobbs Field Station Natural Resource Specialist 575-393-3612