BURNATION DATACKENNING     SUNCE AND REPORTS ON WELLS     Do notified and provide of the restrict on abandoned well. Use form 316-3 (APD) for such proposals. JAN 9.7 2016     If their Author of The Rame     SUBMIT IN TRIPLICATE - Othor instructions on reverse side.     SUBMIT IN TRIPLICATE - Othor Instruction - SUBMIT IN TRIPLICATE - Othor instruction - SUBMIT IN TRIPLICATE - Othor instruction - SUBMIT IN TRIPLICATE - CONCOPHILIPS CONFAULT - CONCENT - CONFAULT - CONFAU	Form 3160-5 (August 2007)		UNITED STATES		CD Hobbs	1		APPROVED	
De SUPLIS the Unit So AND CREW CONTRACT.     De SUPLIS the Unit So AND CREW CONTRACT.     Substrate of the Name     abandroned well. Use form 3760-3 (APD) for such proposels. JAN () 7 2010     Initian, Author of The Name     SUBMIT IN TRIPLICATE - Other instructions on reverse side.     If Ubit of CApprenent, Name and/or No.     SUBMIT IN TRIPLICATE - Other instructions on reverse side.     If Ubit of CApprenent, Name and/or No.     SUBMIT IN TRIPLICATE - Other instructions on reverse side.     If Ubit of CApprenent, Name and/or No.     SUBMIT IN TRIPLICATE - Other instructions on reverse side.     If Ubit of CApprenent, Name and/or No.     SUBMIT IN TRIPLICATE - Other instructions on reverse side.     If Ubit of CApprenent, Name and/or No.     Substrate and No.     Substrate		DE	PARTMENT OF THE IN UREAU OF LAND MANA(	GEMENT	HOE	BS Och	OMB NO. 1004-0135 Expires: July 31, 2010		
Bandoned well. Use form 3160-3 (APD) for such proposals. JAN @ 7 2014      Internet_Anneal processing the chains     SUBMIT IN TRIPLICATE - Other instructions on reverse side.     RECENCED     (a)     (b)     (c)	ח						INIVILO000090		
SUBMIT PATRICEDENCE - Outer Instructured with the parameter of the server is the servere is the server is the server is the server is the server is the	ab	andoned wel	II. Use form 3160-3 (APL	) for such propos	ais. JAN	072014	6. If Indian, Allottee o	r Tribe Name	
	SL	IBMIT IN TRI	PLICATE - Other instruc	tions on reverse si		Envra		ement, Name and/or No.	
Americal Construction     Contact: SUSAN MAUNDER     Contact: SUSAN MAUNDER     Contact: SUSAN MAUNDER     Contact: SUSAN MAUNDER     Sol C28-178-200-201     Contact: SUSAN MAUNDER     Contact: SUSAN MAUNDER     Sol C28-178-200-201     Contact: SUSAN MAUNDER     Contact: SUSAN MAUNDER     Contact: SUSAN MAUNDER     Sol C28-178-200-201     Contact: SUSAN MAUNDER     Contact:									
36. Address       38. Phore Nr. (include trace code) MIDLAND, TX. 78705       10. Field and Pool, of Exploratory MALLAMARR         41. Location of Well       (Footage, Sec. T, R, M, or Survey Description)       11. County or Partsh, and State LEA COUNTY, NM         36. 28473 N Lat, 103.445979 W Lon       11. County or Partsh, and State LEA COUNTY, NM         32. 485273 N Lat, 103.445979 W Lon       12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA         TYPE OF SUBMISSION       TYPE OF ACTION         Well Integrity       Address         Subsequent Report       Address         Subsequent Report       Change Plans         Subsequent Report       Change Plans         Change Plans       Plug Back         31. Describe Proposed or Completed Operation (fearly state all perturent details, including estimated stating date of any proposed work and approximite duration thereof. If the proposed is to despine directionally or complete to nonzonality, give admente biodons and near wentaid spine directionally or proposed work and perposition to durationally or complete to nonzonality, give admente biodons and near wentaid spine directionally or the complete to nonzonality, give admente biodons and near wentaid spine directionally or the complete to nonzonality, give admente biodons and near wentaid spine directionally or complete to nonzonality, give admente biodons and near wentaid spine directionally or complete to nonzonality, give admente biodons and near wentaid spine directionally or complete to nonzonality, give admente biodons and near wentaid spinedid spine directionally or complete ton nonzo	2. Name of Operator		/ Contact:				9. API Well No.	/	
3300 N*A* ST BLOG 6 MIDLAND, IX 79705       Ph: 281-206-5745       MALJAMAR         4. Location of Well (frances, Sec. T. R. M. or Survey Description) Sec. 22 T17S R32E SESE B80FSL 1310FEL S2 A85275 N Lat, 103:445979 W Lon       11. County or Particle and State LEA COUNTY, NM         12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA       TYPE OF SUBMISSION       LEA COUNTY, NM         13. Decription of function in the integration of the integration		IPS COMPAN	NY E-Mail: Susan.B.M						
Sec 22 TITS R32E SESE 660FSL 1310FEL       LEA COUNTY, NM         12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA         TYPE OF SUBMISSION       TYPE OF ACTION         Image: Constraint of the involve operation of the involve operation of the involve operation. If the operation results in a multiple completion of recompletion of the involved operation. If the operation results in a multiple control operation is and the plan to run a two-stage committee of the environment the decision #228813 wriftee by the BLM Well Information System Electronic Submission #228813 wriftee by the BLM Well Information System Committee in a reviewing this request.         14. Thereby certify that the foregoing is titue and correct Electronic Submission #228813 wriftee by the BLM Well Information System Committee in a write of the involved operation (Edu) Wells.       Please see the attached document titled MCA Unit 511, Justification and Proposed Change.         14. Thereby certify that the foregoing is titue and correct Electronic Submission #228813 wriftee by the BLM Well Information System Committee in the viewing this request.       Please see the attached document titled MCA Unit 511, Justification and Proposed Change.         14. Thereby certify that the foregoing is titue and correct Electronic Submission #228813 wriftee by the BLM Well Information System Committee is a proveed for the involved operation #200 Fore ComCOPMILIPS COMPARY, sent to the hobes Committee is a proveed for the involved operation #200 Fore ComCOPMILIPS COMPARY, sent to the hobes Committee is a stage for final inspection)         14. Thereby certify that the foregoing is titue and correct Electronic Submission #228813 wriffee by the BLM Well Information System Committee is	3300 N "A" ST B MIDLAND, TX 7	'9705		Ph: 281-206-5281 Fx: 281-206-5745			MALJAMAR		
32.485273 N Lat, 103.445979 W Lon       //         12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA         TYPE OF SUBMISSION       TYPE OF ACTION         Image: Subsequent Report       Alter Casing       Preduction (Start/Resume)       Water Shur-Off         Image: Subsequent Report       Casing Repair       New Construction       Recomplete       Other         Image: Subsequent Report       Casing Repair       Plug Back       Water Disposal       Other         13. Decrite Proposed on Completed Operation (Gasty Vietal and Petricon Gasta), including estimated stating data of any proposed owek and approximate duration hereof.       Other       Change 10 Original / Busking estimated of the involved operation (Gasty Vietal and Estimated Hand and The Busking and The approximate duration theoremarks, including results and being the book will be get/refue books and the back of any proposed owek and approximate duration hereof.         13. Decrite Proposed on Completed Operation (Gasty at early of the operation results in a multiple completion of the involved operations. If the operation results in a multiple completion of the involved operations. If the operation starts in a multiple completion of the involved operation (Gasty Petrices and Petricos Ball be field within 30 days defined the proposed in the approximate duration have been completed, and the operator has determined that the site areas/ for final impection.         ConcoorDHillips Company respectfully requests approval to change the approved plan for this well.       While drilling this well the decision was made to use a contrigent ensempleted an				)					
TYPE OF SUBMISSION       TYPE OF ACTION <ul> <li>Notice of Intent</li> <li>Acidize</li> <li>Deepen</li> <li>Production (Start/Resume)</li> <li>Water Shut-Off</li> <li>Subsequent Report</li> <li>Casing Repair</li> <li>New Construction</li> <li>Recomplete</li> <li>Change Plans</li> <li>Plug and Abandoon</li> <li>Temperature Treat</li> <li>Reclamation</li> <li>Well Integrity</li> <li>Convert to Injection</li> <li>Convert to Injection</li> <li>Convert to Injection</li> <li>Plug and Abandoon</li> <li>Temperature Treat</li> <li>Recomplete</li> <li>Convert to Injection</li> <li>Plug and Abandoon</li> <li>The proposal is to depend drectionally or ecomplete horizontally, give subardine locations and measured and true vertical depths of all pertinent markers and zones.</li> <li>Plug and Abandoon</li> <li>Plug and Abandoon</li> </ul> <li>The proposal is to depend drectionally or ecomplete horizontally, give subardine locations and measured and true vertical depths of all pertinent markers and zones.</li> <li>Plug and the site is ready for final mspecific to an opposed work and approximate durates to any proposed to use a protoval to change the approved plan for this well.</li> <li>While drilling this well the decision was made to use a contrigent teernening plan that</li> <li>ConocoPhillips company respectfully requests approval to change the approval. This well and the plan to run a two-stage cement job was discussed with Crints Walls.</li> <li>Please see the attached document titled MCA Unit 511, Justification and Proposed Change.</li> <li>Thank you for yo</li>	Sec 22 T17S R3 32.485273 N Lai	2E SESE 660 t, 103.445979	W Lon				LEA COUNTY, I	NM /	
Actice of Intent     Actice     Actice	12. 0	CHECK APPI	ROPRIATE BOX(ES) TO	) INDICATE NATU	JRE OF NO	OTICE, RE	EPORT, OR OTHEI	R DATA	
Notice of Intent     Alter Casing     Alter Casing	TYPE OF SUBM	AISSION			TYPE OF A	ACTION			
Alter Casing       Practure Treat       Reclamation       Well Integrity         Change Plans       Plag and Abandon       Termporarily Abandon       Change to Original / PD         13. Describe Proposed or Completed Operation (clearly state all periferent deals), including estimated starting date of any proposed work and approximate duration thereof.       Change to Original / PD         13. Describe Proposed or Completed Operation (clearly state all periferent deals), including estimated starting date of any proposed work and approximate duration thereof.       Termporarily Abandon       Proposed work and approximate duration thereof.         14. Describe Proposed or Completed Operation (clearly state all periferent de provide the Bond No. on file with BLMPIA. Required subsequent reports shall be filed within 30 days following completion or the work operation. If the operation is shall be filed within 30 days following completion or the work operation.       State all periferent with the work with the operation is new vork of the approved by after all requirements, including retaination, have been completed, and the operator has determined that the she is ready for final impection.)         ConocoCPhillips Company respectfully requests approval to change the approved plan for this well.       State all periferent with the decision was made to use a contingent clearment up plan that ConocoPhillips Kompany respectfully requests approval. This well and the plan to run a two-stage cement job was discussed with Chris Walls.         Please see the attached document titled MCA Unit 511, Justification and Proposed Change.       Thank you for your time in reviewing this request.         14. Thereby cert	Notice of Inten	t	-	-			· · · ·		
Image Network       Image Network<	-		- e	-		-			
Convert to Injection Plug Back Water Disposal     Convert to Injection Plug Back Water Disposal     Convert to Injection Plug State all pertinent details, including estimated starting date of any proposed work and approximate duration thereof.     If the proposal is to deepen directionally or complete brozonally give substrate locations and measured and rule vertical depts of all pertinent markers and zones.     Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Kequired subsequent reports shall be filed within 30 days     following completion of the involved operation results in an dimensived and rule vertical depts of an even interval, a Form 3160-4 shall be filed only after all requirements, including reclamation, have been completed, and the operator has     determined that the site is ready for final impection.)     ConcocoPhillips Company respectfully requests approval to change the approved plan for this well.     While drilling this well the decision was made to use a contingent Ceementing plan that     ConcocoPhillips was prepared to use on prior wells, with BLM approval. This well and the plan to run     a two-stage cement job was discussed with Chris Walls.     Please see the attached document titled MCA Unit 511, Justification and Proposed Change.     Thank you for your time in reviewing this request.     If the representation of the deption was completed and the plan to run     a two-stage committed to AFMSS for processing by JOHNY DickERSON on 11/19/2013 (14JLD0805SE)     Name (Primted/Typed) SUSAN MAUNDER     Title SPACE FOR FEDERAL OR STATE OFFICE USE     Approved By     ACCEPTED     This SPACE FOR FEDERAL OR STATE OFFICE USE     Approved By     ACCEPTED     This space for second of the subject lease     office Hobbs     Title 13 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any matter within its jurisdiction.     Title 14 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowing				—		-		Change to Original A	
If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all perintent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file will BLM/BLA. Required austical depths of all perintent markers and zones. Bond under which the work will be performed or provide the Bond No. on file will BLM/BLA. Required austical depths of all perintent markers and zones. For ConcooPhillips Company respectfully requests approval to change the approved plan for this well. While drilling this well the decision was made to use a contingent cementing plan that ConcooPhillips was prepared to use on prior wells, with BLM approval. This well and the plan to run a two-stage cement job was discussed with Chris Walls. Please see the attached document titled MCA Unit 511, Justification and Proposed Change. Thank you for your time in reviewing this request.			Convert to Injection	Plug Back		U Water D	isposal	10	
Electronic Submission #226813 verified by the BLM Well Information System For CONOCOPHILLIPS COMPANY, sent to the Hobbs Committed to AFMSS for processing by JOHINY DICKERSON on 11/19/2013 (14JLD0805SE)         Name (Printed/Typed)       SUSAN MAUNDER       Title       SENIOR REGULATORY SPECIALIST         Signature       (Electronic Submission)       Date       11/14/2013         THIS SPACE FOR FEDERAL OR STATE OFFICE USE         Approved By ACCEPTED         Approved By       ACCEPTED       JAMES A AMOS Title SUPERVISORY EPS       Date       12/28/20*         Office Hobbs	a two-stage cem Please see the a	ient job was d attached docu	liscussed with Chris Walls	i.		-	un		
Signature       (Electronic Submission)       Date       11/14/2013         THIS SPACE FOR FEDERAL OR STATE OFFICE USE         Approved By ACCEPTED         JAMES A AMOS Title SUPERVISORY EPS         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.       Office Hobbs         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 United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.	14. I hereby certify that		Electronic Submission # For CONOCO	PHILLIPS COMPANY	, sent to the	e Hobbs	-		
THIS SPACE FOR FEDERAL OR STATE OFFICE USE         JAMES A AMOS Title SUPERVISORY EPS         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.       Office Hobbs         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 United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.       Office Hobbs	Name (Printed/Type	d) SUSAN M	AUNDER	Title	SENIOR	REGULAT	ORY SPECIALIST		
Approved By       ACCEPTED       JAMES A AMOS TitleSUPERVISORY EPS       Date 12/28/201         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.       Office Hobbs       Date 12/28/201         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 United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.       Date 12/28/201	Signature	(Electronic	Submission)	Date	11/14/20	13			
Approved By ACCEPTED TitleSUPERVISORY EPS Date 12/28/2012 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. Office Hobbs 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 United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.			THIS SPACE FO	OR FEDERAL OR	STATE O	FFICE U	SE /		
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.       Office Hobbs         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 United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.	Approved By AC	CEPT					K	7 Date 12/28/20	
States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.	certify that the applicant	holds legal or eq	uitable title to those rights in the	e subject lease	Hobbs		Ve		
** BLM REVISED **	Title 18 U.S.C. Section 1 States any false, fictitio	001 and Title 43 ous or fraudulent	U.S.C. Section 1212, make it a statements or representations as	crime for any person kno to any matter within its j	wingly and w urisdiction.	villfully to ma	ke to any department or	agency of the United	
		** BI M DE\/							
						REVISEL		/	
							IAN O'R	2010	

JAN 08 2014

4

ł

# MCA Unit 511 Justification and Proposed Change 11/13/13

#### **Justification for Proposed Change:**

ConocoPhillips respectfully requests revision to provide an additional contingency option to the Production Casing and Cementing Program if brine flow occurs in the salt. The intention is to isolate water flows from Salado down to the Grayburg above the top of the perfs if, prior to casing and cementing, well is still flowing at rates such that the use of a stage tool and annulus casing packer(s) to isolate the water flow becomes necessary.

#### **Proposed Change:**

## 5-1/2" Production Casing Cementing Program – Two-Stage Contingency Cementing Option:

We propose revisions to the two-stage contingency cementing program as follows:

• Position a Stage Tool at 969' MD, or approximately 50' below the surface casing shoe, and Annulus Casing Packer (upper) immediately below the Stage Tool.

Note: This is to provide isolation immediately below the surface casing shoe to allow placement during 2<sup>nd</sup> stage of good uncontaminated 14.8 ppg cement in casing-casing annulus.

- Position one more Annulus Casing Packer (lower) above the top of perfs at 3,800' MD.
- Pump the 1<sup>st</sup> Stage cement from the production casing shoe to surface.

Stag	ge 1 - Slurry	Intervals Ft MD		Weight Sx ppg		Vol bbl	Additives	Yield ft <sup>3</sup> /sx
Lead	C Gas Tight Slurry	Surface	3000'	11.5	450	259	Class C 94 lb/sx 6% Extender 10% Gas Migration Control 2% Sodium Metasilicate (dry) 1% Cement Bonding Agent 3% Aluminum Silicate 0.125 lb/sx Cello Flake 3 lb/sx LCM-1	3.23
Tail	Poz/C Gas Tight Slurry	3000'	4,245' - 4,290'	14.0	320	78	(35:65) Poz:C 33 lb/sx 1% Sodium Metasilicate (dry) 1.5% Fluid Loss Control,	1.37

Spacer: 20 bbls Fresh Water

• Drop the wiper plug and displace 1<sup>st</sup> stage cement with 61 bbl FW and 40 bbl of 14.8 ppg Spacer. Bump the wiper plug.

- Note and report the excess cement return to surface. Weigh cement returns with pressurized mud scale to ensure cement is uncontaminated with brine from flow zones. Keep the measured cement returns sample in a sealed container and send in to Baker Hughes cement lab for further evaluation.
- Pressure up to inflate the upper Annulus Casing Packer and then pressure up more to inflate lower Annulus Casing Packer (slightly higher pin settings).
- Observe displacement and confirm inflation of Annulus Casing Packers.

- Monitor the well to observe if the well is static and the Packers have isolated the flow to surface.
- If lead cement on 1<sup>st</sup> stage returns are uncontaminated and the well is static, drop the cancellation plug and disable the Stage Tool.
- If the 1<sup>st</sup> stage lead cement indicated brine-cut contamination or flow was observed after inflation of the ACPs, then proceed with further contingency below:
  - Drop an opening bomb to open the Stage Tool, and proceed with the 2<sup>nd</sup> stage cement job out the annulus above the upper ACP through the Stage Tool. Note and Record the amount of cement circulated to surface.
  - Begin 2<sup>nd</sup> stage cement.

. .

## Spacer: Remaining 14.8 ppg Ultra Flush in cementing lines from the 40 bbl 1<sup>st</sup> stage displacement.

Stage 2 - Slurry		Intervals Ft M		Weight ppg	Sx	Vol bbl	Additives	Yield ft <sup>3</sup> /sx
Tail	Class C	Surface	Stage Tool ~969'	14.8	250	60	Class C 94 lb/sx 1% CaCl2	1.335

- Drop the closing plug and displace 2<sup>nd</sup> stage cement with 23 bbl FW. Bump the closing plug.
- Pressure up to close the Stage Tool.
- Observe and report if there was excess cement return to surface.
- Wash/Rinse wellhead and BOP stack with sugar water thru kill line. Close all outlet valves and fill the wellhead and BOP stack with sugar water.
- Close annular BOP for 3 hours until cement reaches 100 psi compressive strength.
- Bleed pressures off and check for flow and verify zero pressure at surface.

## Proposal for Option to Adjust Production Casing Cement Volumes:

Additionally, if no caliper log is available, we would propose an option to possibly increase the production casing cement volume to ensure additional excess cement for cement returns to surface.