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Secrib Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof.     If the proposal is to deepen directionally or recomplete borizontally, give subsurface locations and measured and true vertifical depths of all pertinent markers and zones.     Attach the bond muder which the work will be pertinent on recompletion or recompletion in a new interval, a Form 3160-4 must be filed once     Testing has been completed. This Abundoment Nucleises 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.)  Burlington Resources requests permission to P&A the subject well per the attached procedure, current and proposed     wellbore schematics. The Pre-Disturbance Site Visit was held on 4/13/2016 with Bob Switzer/BLM. The Re-Vegetation     Plan is attached. A Closed Loop system will be used.  Burlington Resources requests permission to P&A the subject well per the attached procedure, current and proposed     wellbore schematics. The Pre-Disturbance Site Visit was held on 4/13/2016 with Bob Switzer/BLM. The Re-Vegetation     Plan is attached. A Closed Loop system will be used.  Burlis APPROVALOFS W ALLINK (1990)  Burlis APPROVALOFS W ALLINK (1990)  Det Support to beginning     operations     UN OI 2016  SEE ATTACHED FOR     OR PEDERAL AND INDIAN LANDS  OIL CONS. DIV DIST. 3     JUN 01 2016  SEE ATTACHED FOR     OR PEDERAL AND INDIAN LANDS  Intel Regulatory Technician     Jun 01 2016  Set State of a provement of this notice does not warmit or certify     Jun 01 2016  This SPACE FOR FEDERAL OR STATE OFFICE USE      provent W     Market and provement or regenerations are which would     differe applicant to conduct operations thereo.      H 18 USC. Section 1001 and Tite 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     Le	Final Abandonment Notice	Convert to Injection	Plug	Back	H	Water Disposal			
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AUTHORIZATION REQUIRED FOR OPERATIONS ON FEDERAL AND INDIAN LANDS A. Ihereby certify that the foregoing is true and correct. Name (Printed/Typed) Dollie L. Busse Title Regulatory Technician Date 5/1/6/16 THIS SPACE FOR FEDERAL OR STATE OFFICE USE Pproved by Marken Construction of this notice does not warrant or certify a the applicant holds legal or equitable tilt to those rights in the subject lease which would the the applicant holds legal or equitable tilt to those rights in the subject lease which would the the subject at to conduct operations thereon. Ite 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 les, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.	ACTION DOES NOT R OPERATOR FROM OI	ELIEVE UIT LESSEE AND BTAINING ANY OTHER			S	EE ATTACH	ED EO	10 N O X 2010	
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Dollie L. Busse       Title       Regulatory Technician         Signature       Date       5/1/6/1/6         Title       5/1/6/1/6         Title SPACE FOR FEDERAL OR STATE OFFICE USE         Date       5/1/6/1/6         Title PE       Date       5/31/1/6         Onditions of approval, it any, are atacked. Approval of this notice does not warrant or certify at the applicant holds legal or equitable title to those rights in the subject lease which would title the applicant to conduct operations thereon.       Title       PE       Date       5/31/1/6         It is 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 tese, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.	<ol> <li>I hereby certify that the foregoing is</li> </ol>	true and correct. Name (Printed/Typ	ed)						
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## ConocoPhillips COOPER 4 Expense - P&A

#### Lat 36° 43' 47.996" N

#### Long 108° 1' 44.364" W

### PROCEDURE

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This project requires the use of a steel tank to handle waste fluids circulated from the well and cement wash up.

Prior to commencing abandonment operations, ensure that the bradenhead valve is dug out and properly plumbed to the surface. Record the casing, intermediate and bradenhead pressures with an appropriately ranged gauge. Contact the Engineer if bradenhead pressure is present (per Exhibit "A-3").

1. Hold pre-job safety meeting. Comply with all NMOCD, BLM, and COP safety and environmental regulations. Test rig anchors prior to moving in rig. Before RU, run slickline to remove downhole equipment. If an obstruction is found, set a locking-3-slip-stop in the tubing.

2. MIRU workover rig. Check casing, tubing, and bradenhead pressures and record them in WellView. If there is pressure on the BH, contact the Wells Engineer (per Exhibit "A-3").

3. Remove existing piping on casing valve. RU blow lines from casing valves and begin blowing down casing pressure. Kill well as necessary. Ensure well is dead or on a vacuum.

4. ND wellhead and NU BOPE. Pressure and function test BOP to 250 psi low and 1000 psi over SICP high to a maximum of 2000 psi held and charted for 10 minutes per COP Well Control Manual. PU and remove tubing hanger.

5. TOOH with tubing (pe	er pertinent data sneet).			
Tubing size:	2-3/8" 4.7# J-55 EUE	Set Depth:	6,415'	KB: 10'

6. PU 3-3/4" bit and watermelon mill and round trip as deep as possible above top perforation at 6,331'.

7. PU 4-1/2" CR on tubing, and set at 6,281'. Pressure test tubing to 1000 psi. Sting out of CR. Load hole, and pressure test casing to 800 psi. If casing does not test, spot or tag subsequent plugs as appropriate. POOH with tubing.

8. RU wireline and run CBL with 500 psi on casing from CR at 6,281' to surface to identify TOC. Adjust plugs as necessary for new TOC. Email log copy to Wells Engineer, Troy Salyers (BLM) at tsalyers@blm.gov, and Brandon Powell (NMOCD) at brandon.powell@state.nm.us upon completion of logging operations.

All cement volumes use 100% excess outside pipe and 50' excess inside pipe. The stabilizing wellbore fluid will be 8.3 ppg, sufficient to balance all exposed formation pressures. All cement will be ASTM Class B mixed at 15.6 ppg with a 1.18 cf/sk yield.

9. Plug 1 - Dakota Formation Top and Dakota Perforations, 6181' - 6281', 12 Sacks Class B Cement Mix 12 sx Class B cement and spot a balanced plug inside the casing to cover the Dakota top and perforations. PUH.

10. Roll the hole with water and ensure that the wellbore is in a stabilized condition with no flow of gas and/or water before spotting the next plug. If flow occurs, the fluid weight must be increased until a stabilized condition is established (per Exhibit "A-3").

11. Plug 2 - Gallup Formation Top, 5436' - 5536', 12 Sacks Class B Cement Mix 12 sx Class B cement and spot a balanced plug inside the casing to cover the Gallup top. PUH.

12. Plug 3 - Mancos Formation Top, 4527' - 4627', 51 Sacks Class B Cement RIH and perforate 3 squeeze holes at 4,627'. Establish injection rate into squeeze holes. RIH with a 4-1/2" CR and set at 4,577'. Mix 51 sx Class B cement. Squeeze 39 sx outside the casing, leaving 12 sx inside the casing to cover the Mancos top. POOH.

13. Plug 4 - Mesaverde Formation Top, 3414' - 3514', 51 Sacks Class B Cement RIH and perforate 3 squeeze holes at 3,514'. Establish injection rate into squeeze holes. RIH with a 4-1/2" CR and set at 3,464'. Mix 51 sx Class B cement. Squeeze 39 sx outside the casing, leaving 12 sx inside the casing to cover the Mesaverde top. PUH.

14. Plug 5 - Pictured Cliffs Formation Top, 1828' - 1928', 12 Sacks Class B Cement Mix 12 sx Class B cement and spot a balanced plug inside the casing to cover the Pictured Cliffs top. POOH.

15. Plug 6 - Fruitland Formation Top, 1290' - 1390', 51 Sacks Class B Cement

RIH and perforate 3 squeeze holes at 1,390'. Establish injection rate into squeeze holes. RIH with a 4-1/2" CR and set at 1,340'. Mix 51 sx Class B cement. Squeeze 39 sx outside the casing, leaving 12 sx inside the casing to cover the Fruitland top. POOH.

16. Cease operations for 30 minutes allowing the bradenhead to be observed for pressure build. Record pressures with crystal gauge for accuracy. If pressures are observed, notify Wells Engineer and Production Engineering for path-forward discussion with NMOCD (per Exhibit "A-3"). Continued on next page

17. Plug 7 - Ojo Alamo and Kirtland Formation Tops and Surface Plug, 0' - 723', 293 Sacks Class B Cement RU WL and perforate 4 big hole charge (if available) squeeze holes at 723'. TOOH and RD wireline. Observe well for 30 minutes per BLM regulations. RU pump, close blind rams and establish circulation out bradenhead with water. Circulate BH clean. TIH with 4-1/2" CR and set at 673'. Mix 239 sx Class B cement and squeeze until good cement returns to surface out BH valve. Shut BH valve and squeeze to max 200 psi. Sting out of CR and reverse circulate cement out of tubing. TOOH and LD stinger. TIH with open ended tubing to 673'. Mix 54 sx Class B cement and pump inside plug. TOOH and LD Tubing. SI well and WOC.

18. Nipple down BOP and cut off casing below the casing flange. Install P&A marker with cement to comply with regulations. RDMO.

### Exhibit "A-3"

To Final Agreement - Withdrawal of Notice of Violation (3-15-02) dated May 4, 2016 from ConocoPhillips Company to NMOCD

# Updated Abandonment Procedures

The following procedural changes will be required for the P&A Program:

- Prior to commencing abandonment operations, ensure that the bradenhead valve is dug out and properly plumbed to the surface. Record the casing, intermediate and bradenhead pressures with an appropriately ranged gauge. Contact the Engineer if bradenhead pressure is present. After the last set of completion perforations are abandoned with cement, roll the hole with water and ensure that the wellbore is in a stabilized condition with no flow of gas and/or water before spotting the next plug. If flow occurs, the fluid weight must be increased until a stabilized condition is established.
- Following the plug over the Fruitland Formation Top, and prior to the plug over the Kirtland and Qio Alamo Tops:
  - Operations will cease for 30 minutes allowing the Bradenhead to be observed for pressure build.
  - b. Pressures will be recorded with a crystal gauge for accuracy.
  - c. If pressures are observed, notify Wells Engineer and Production Engineering for path-forward discussion with NMOCD.
- 3) Within 24 hours of the abandonment and after two weeks, BLM will check for the presence of gas at the base of the dry hole marker and at the weep hole. Note ambient weather conditions when recording the results. If gas is detected, contact the Engineer.
- 4) If a Cathodic Protection well is <u>on</u> the well pad, check for the presence of gas at the vent cap. If gas is present, record results in AFMSS and contact the Engineer.

Note: when checking any sample point for the presence of gas, please be prepared for the possibility of anomalous pressure and the H2S gas.

Diablet HortTH BASIN DAKOTA (PRORATED G #0068 Higinal Spud Date 6//1951 018-029N-011W-B VERTICAL - Original Hole, 3/1/2016 10:31:32 AM Vertical schematic (actual) 1; Surface; 8 5/8 in; 8.097 in; 10.0 ftKB; 315.0 ftKB Surface Casing Cement; 10.0-315.0 Surface Casing Cement; 10.0-315.0	State/Provin NEW MEXI 955.00 FNL 955.00 FNL 9.8 314.0 315.0 495.1 672.9 1,339.9 1,487.9 1,878.0 1,975.1 2,039.0 2,041.0 3,598.1	CO South Reference Formation Top OJO ALAMO KIRTLAND FRUITLAND FRUITLAND PICTURED CLI. LEWIS CLIFF HOUSE MENEFEE
Fubing; 2 3/8 in; 4.70 lb/t; J-55; 10.0 ftKB;         EastWest Distance (t)         EastWest Distance (t)         1,550.00         VERTICAL - Original Hole, 3/1/2016 10:31:32 AM         Vertical schematic (actual)	<ul> <li>(H) NorthJ 955.00 FNL</li> <li>MD (ffKB) FNL</li> <li>9.8 314.0 315.0</li> <li>495.1</li> <li>672.9</li> <li>1,339.9</li> <li>1,487.9</li> <li>1,878.0</li> <li>1,975.1</li> <li>2,039.0</li> <li>2,041.0</li> <li>3,483.9</li> <li>3,598.1</li> </ul>	South Reference Formation Top OJO ALAMO KIRTLAND FRUITLAND PICTURED CLI. LEWIS CLIFF HOUSE MENEFEE
VERTICAL - Original Hole, 3/1/2016 10:31:32 AM           Vertical schematic (actual)           1; Surface; 8 5/8 in; 8.097 in; 10.0 ftKB;           Surface Casing Cement; 10.0-315.0           B//1961; CEMENT WITH 225 SX           CIRCULATED TO SURFACE           Cement; 1,488.0-2,041.0; 6/15/1961;           CEMENT WITH 150 SX TOC CALC AT           76% EFF	MD (ffKB) 9.8 314.0 315.0 495.1 672.9 1,339.9 1,487.9 1,678.0 1,975.1 2,039.0 2,041.0 3,463.9 3,598.1	OJO ALAMO KIRTLAND FRUITLAND PICTURED CLI. LEWIS CLIFF HOUSE MENEFEE
Vertical schematic (actual)           1; Surface; 8 5/8 in; 8.097 in; 10.0 ft/8; 315.0 ft/8           Surface Casing Cement; 10.0-315.0 6/1/1961; CEMENT WITH 225 SX CIRCULATED TO SURFACE           Image: Casing Comment; 1,488.0-2,041.0; 6/15/1961; CEMENT; WITH 150 SX TOC CALC AT 75% EFF	MD (ffKB) 9.8 314.0 315.0 495.1 672.9 1,339.9 1,487.9 1,878.0 1,975.1 2,039.0 2,041.0 3,598.1	OJO ALAMO KIRTLAND FRUITLAND PICTURED CLI. LEWIS CLIFF HOUSE MENEFEE
Libing; 2 3/8 ln; 4.70 lb/t; J-55; 10.0 ftKB 6.381.0 ftKB	9.8 314.0 315.0 495.1 672.9 1,339.9 1,487.9 1,878.0 1,878.0 2,039.0 2,041.0 3,463.9 3,598.1	OJO ALAMO KIRTLAND FRUITLAND PICTURED CLI. LEWIS CLIFF HOUSE MENEFEE
Pump Seating Nipple; 2 3/8 in; 6,381.0 ftKB; 6,382.1 ftKB Hydraulic Fracture; 6/22/1961; FRAC DAKOTA WITH 45000# 20/40 SAND AND 15000# 10/20 SAND WITH 1500 BBLS WATER PERF DAKOTA; 6,331.0-6,434.0 MATER PERF DAKOTA; 6,337.0-6,569.0; GY15/1951; Automatically created cement plug from the casing cement because it had a tagged depth. Production Casing Cement 5,410.0 B,569.0; GY15/1951; TOC FROM TEMP S2; Production 1; 41/2 in; 4.000 in; 10.0	<ul> <li>4,235.9</li> <li>4,577.1</li> <li>5,410.1</li> <li>5,485.9</li> <li>6,232.9</li> <li>6,284.1</li> <li>6,330.1</li> <li>6,331.0</li> <li>6,380.9</li> <li>6,382.2</li> <li>6,414.0</li> <li>6,434.1</li> <li>6,537.1</li> <li>6,568.9</li> </ul>	POINT LOOKD. MANCOS GALLUP GREENHORN GRANEROS DAKOTA

listrict IORTH	Field Name BASIN DAKOTA (PI G #0068	RORATED 300450840	1 County SAN JUAN		State/Provine NEW MEXIC	e ;0	
riginal Spud Date 6/1/1961	Surface Legal Location 018-029N-011W-B	East/West Distance (ft) 1,55	ast/West Distance (ft) East/West Reference North/South Distance 1,550.00 FEL			(ft) North/South Reference 955.00 FNL	
		VERTICAL - Original	Hole 1/1/2020 12:30:00 PM				
	1	/ertical schematic (actua	l)		MD (ftKB)	Formation To	
CRUCE DATE OF STREET, ST. OF S	THE REAL PROPERTY AND ADDRESS OF A DESCRIPTION OF A DESCR	CONTRACTOR OF CONTRACTOR OF CONTRACT	1; Surface; 8 5/8 in; 8.0	097 in; 10.0 ftKB;	9.8		
			315.0 ftKB	at 10 0 315 0	314.0		
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			CIRCULATED TO SUF	RFACE	495.1	OMA IA OLO	
			-1-100 1. 10.0-123.0. 11	1/2020	672.9	KIRTI AND	
Cement Retainer:	673.0-675.0: Plug 7		Plug 7:10 0.723 0:1/	1/2020: Mix 230 cv	874.9	KINTEAND	
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Carlot of the hade to F and St	0, 120,0, 17 172,02.0]	100 I	Class B Cementand pu	valve. Mix 54 sx	1 290 0		
			Dive 5: 1 280 0 1 390 0	14/2020	1 339 9		
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SHOLLEF LISTS	5, 1,350,0, 11 (12020)		outside the casing, lea	ving 12 sx inside	1 497 0		
			ure casing.		1,907.5		
-					1,020.1	DICTURED CU	
			Plug 5; 1,828.0-1,928.	0; 1/1/2020; Mix 12	1,070.0	FIGTORED OL	
			plug inside the casing.	spora balanced	1,520.1	1 EDAILS	
					1,975.1	LEWIS	
			Cement; 1,488.0-2,041	.0; 6/15/1961;	2,039.0		
		errere errere	75% EFF	CTUC GALC AT	2,041.0		
					3,414.0		
Cement Retainer: 3.46	4.0-3.466.0; Plug 4	11 11	Plug 4: 3.414.0-3.514.0	: 1/1/2020	3,463.9	CLIFF HOUSE	
taria anti a la accessione a			Plug 4; 3,414.0-3,514.0 sx Class B Cement, so	; 1/1/2020; Mix 51	3,485.9	1	
SQUEEZE PERFS	: 3.514.0: 1/1/2020		outside the casing, lea	ving 12 sx inside	3,514.1		
		12	the casing.	P	3,598.1	MENEFEE	
		1.			4,235.9	POINT LOOKO.	
				-	4,526.9		
Cement Retainer: 4.57	7.0-4.579.0: Plug 3	11 11	Plug 3: 4.527.0-4.627.0	: 1/1/2020	4,577.1	MANCOS	
the tet the tat t			Plug 3; 4,527.0-4,627.0	; 1/1/2020; Mix 51	4,579.1		
SQUEEZE PERFS	: 4.627.0: 1/1/2020		outside the casing, leav	ving 12 sx inside	4,627.0		
		2002	the casing.		5,410.1		
					5,436.0		
			Plug 2; 5,436.0-5,536.0	; 1/1/2020; Mix 12	5,485.9	GALLUP	
	مممممممممممم		sx Class B Cement and	i spot a balanced	5,538.1		
			pingmane trectaing		6,181.1		
			Plug 1; 6,181.0-6,281.0	; 1/1/2020; Mix 12	6,232.9	GREENHORN	
Cement Retainer: 6.28	1.0-6.283.0; Plug 1		sx Class B Cement and	spot a balanced	6,280.8		
Hydraulic Fracture	; 6/22/1961; FRAC		(prog marco aroousling		6,283.1		
AKOTA WITH 45000#	20/40 SAND AND				6,284.1	GRANEROS	
10000# 10/20 SAND	WATER			; 4.000 in; 10.0	6,330.1	DAKOTA	
PERF DAKOT	4; 6,331.0-6,434.0;	1000	Production Casing Cer	ment; 5,410.0-	6,331.0		
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	PBTD: 6,537.0		Auto cament plug: 6.53	7.0-6,569.0:	6,537.1		
			6/15/1981; Automaticall	y created cement	8,587.9		
			had a tagged depth.	aneni because it	6,568.9		
1 1 m m			PLUGBACK: 6,569.0-6.	570.0: 6/16/1961	6,669.9		

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT FARMINGTON DISTRICT OFFICE 6251 COLLEGE BLVD. FARMINGTON, NEW MEXICO 87402

Attachment to notice of Intention to Abandon:

Re: Permanent Abandonment Well: Cooper 4

# CONDITIONS OF APPROVAL

1. Plugging operations authorized are subject to the attached "General Requirements for Permanent Abandonment of Wells on Federal and Indian Lease."

2. Farmington Office is to be notified at least 24 hours before the plugging operations commence (505) 564-7750.

3. The following modifications to your plugging program are to be made:

- a) Set plug #3 (4659-4559) ft. inside/outside to cover the Mancos top. BLM picks top of Mancos at 4609 ft.
- b) Set a cement plug (2940-2840) ft. inside/outside to cover the Chacra top. BLM picks top of Chacra at 2890 ft.
- c) Set plug #6 (1608-1508) ft. to cover the Fruitland top. BLM picks top of Fruitland at 1558 ft.

Operator will run CBL from CR @ 6,281 ft. to surface to identify TOC. Submit the electronic copy of the log for verification to the following addresses: <a href="mailto:iwsavage@blm.gov">wsavage@blm.gov</a> Brandon.Powell@state.nm.us

 $H_2S$  has not been reported in this section, however, *Very High concentrations of H\_2S (900 ppm GSV)* have been reported in the Cliff House Ss at the Crawford GC B #1 well located NWSW/4 Sec. 24, 28N, 12W. *It is imperative that H\_2S monitoring and safety equipment be on location during P&A operations at this well site.* 

You are also required to place cement excesses per 4.2 and 4.4 of the attached General Requirements.

Office Hours: 7:45 a.m. to 4:30 p.m.