Form 3160-5 (August 2007)	UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANA GEMENT			tay t	1 8 2016	FORM OMB N Expires	APPROVED Jo. 1004-0137 July 31, 2010
	BOREAU OF LAND ME	ANAOLME			5. Lease Serial No.	Capitor	
011		DODTE ON	Fam	ningtor	n Field Office	N	M-010063
Do not us	this form for proposal	s to drill or	to re-enter a	an	Consumation	e of Inbel	Name
abandoned	well. Use Form 3160-3	(APD) for si	uch propos	als.			
S	UBMIT IN TRIPLICATE - Other i	instructions on p	page 2.		7. If Unit of CA/A	greement, N	Name and/or No.
1. Type of Well							
Oil Well	X Gas Well Othe	er -			8. Well Name and	No.	Icerne A 1
2. Name of Operator			_		9. API Well No.		
	ConocoPhillips Com	pany	C 1.1		10 5 11 10 1	30-0	045-07514
Address 3b. Pho PO Box 4289, Farmington, NM 87499			05) 326-970	0 (ebo	Basin Dakota		sin Dakota
4. Location of Well (Footage, Sec., T., I	R.,M., or Survey Description)			-	11. Country or Pari	sh, State	
Surface Unit D (N	WNW), 990' FNL & 990' I	FWL, Sec. 1	17, T28N, R1	1W	San J	uan	, New Mexico
			ATE MATURE	05.00		00.07	
12. CHECK	THE APPROPRIATE BOX(E	(5) TO INDICA	ATE NATURE	OF NO	UTICE, REPORT	OROTH	EKDATA
TYPE OF SUBMISSION			TYPE	OF AC	CTION		
X Notice of Intent	Acidize	Deepen			Production (Start/Res	sume)	Water Shut-Off
Subsequent Deport	Alter Casing	Fracture	Treat	H	Reclamation		Well Integrity
Guosequent Report	Change Plans	X Plug and	d Abandon	H	Temporarily Abandor	1	
Final Abandonment Notice	Convert to Injection	Plug Bac	ck	H	Water Disposal		
13. Describe Proposed or Completed Op If the proposal is to deepen direction Attach the bond under which the w following completion of the involve Testing has been completed. Final determined that the site is ready for The subject well is part procedure replaces the	peration: Clearly state all pertinent d onally or recomplete horizontally, gi work will be performed or provide th ved operations. If the operation resul Abandonment Notices must be filed r final inspection.) t of the proposed Mangu e procedure filed with the	letails, including of ive subsurface loc the Bond No. on fil lits in a multiple c d only after all res m SRC 1C F e P&A NOI S	estimated starting cations and measu- le with BLM/BIA completion or reco- equirements, inclu P&A program submitted on	g date of ared and ared and a Required and a Required and a red are a red ar	any proposed work an true vertical depths of red subsequent reports on in a new interval, a damation, have been c eeed to with the /2016.	f all pertinent s must be fi Form 3160- ompleted an NMOCI	nt markers and zones. led within 30 days 4 must be filed once nd the operator has D. The attached revise
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ConocoPhillips LUCERNE A 1 Expense - P&A

36° 39' 59.864"

108° 1' 55.92"

PROCEDURE

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 (per pertinent data sheet). Tubing size: 2-3/8" 4.7# J-55 EUE

Set Depth: 6,095'

KB: 10'

6. PU 3-7/8" bit and watermelon mill and round trip as deep as possible above top perforation at 6,052'.

7. PU 4-1/2" CR on tubing, and set at 6,002'. 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 6,002' 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 and Graneros Formation Tops, Dakota Perforations, 5902' - 6002', 12 Sacks Class B Cement Mix 12 sx Class B cement and spot a balanced plug inside the casing to cover the Dakota and Graneros tops and the Dakota perforations. POOH.

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, 5117' - 5217', 36 Sacks Class B Cement RIH and perforate 3 squeeze holes at 5,217'. Establish injection rate into squeeze holes. RIH with a 4-1/2" CR and set at 5,167'. Mix 36 sx Class B cement. Squeeze 2410 sx outside the casing, leaving 12 sx inside the casing to cover the Gallup top. POOH.

12. Plug 3 - Mancos Formation Top, 4237' - 4337', 36 Sacks Class B Cement RIH and perforate 3 squeeze holes at 4,337'. Establish injection rate into squeeze holes. RIH with a 4-1/2" CR and set at 4,287'. Mix 36 sx Class B cement. Squeeze 24 sx outside the casing, leaving 12 sx inside the casing to cover the Mancos top. POOH.

13. Plug 4 - Mesaverde Formation Top, 3120' - 3220', 36 Sacks Class B Cement RIH and perforate 3 squeeze holes at 3,270'. Establish injection rate into squeeze holes. RIH with a 4-1/2" CR and set at 3,220'. Mix 36 sx Class B cement. Squeeze 24 sx outside the casing, leaving 12 sx inside the casing to cover the Mesaverde top. PUH.

14. Plug 5 - Pictured Cliffs Formation Top, 1509' - 1609', 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, 990' - 1090', 36 Sacks Class B Cement RIH and perforate 3 squeeze holes at 1,090'. Establish injection rate into squeeze holes. RIH with a 4-1/2" CR and set at 1,040'. Mix 36 sx Class B cement. Squeeze 24 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, 10' - 518', 185 Sacks Class B Cement RU WL and perforate 4 big hole charge (if available) squeeze holes at 578'. 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 468'. Mix 142 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 468'. Mix 43 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.

Istrict	Eigld Name	Contraction of the	APL (10WI	1	County	S. A. State	State/Proving	CLOYAL BELCH
IORTH	DK		3004507514		SAN JUAN		NEW MEXIC	0
riginal Spud Date 3/21/1962	Surface Legal Location 017-028N-011W-D	East/We	est Distance (ft) 990	East/West Reference	ce North/So	ath Distance (f	30.00 FNL	South Reference
		-						
		Vertica	al - Original Ho	ole, 2/29/2016 10:0	05:11 AM			
		Vertical s	chematic (actual)			MD (ftKB)	Formation Top
	an air a sin an			1999-1999-1999-1999-1999-1999-1999-199		a the local distance in the second	9.8	
							200.1	
				1; Surface; 8 201.0 fikB	8 5/8 in; 8.097 in; 1	0.0 fiKB;	201.1	
				Surface Cas	sing Cement: 10.0-	206.0; JENT	205.0	
				CIRC TO SI	URFACE.		283.1	OMA IA OLO
							457.9	KIRTI AND
							1.040.0	ERLITIAND
	- Aller	12					1,040.0	FRUITLAND
							1,080.1	
							1,659.1	PICTURED CLI
							1,639.1	LEWIS
				Production 1.722.0: 4/3	Casing Cement; 1,0 /1962: 2ND STAGE	100 SX	1,721.1	
				CEMENT, T	OC @ 1080' BY 75	% EFF.	1,722.1	
Tubing; 2 3/8 in; 4.70 lb/ft; J-55; 10.0 ftKB; 6,093.5 ftKB		31		Carl Mc Carl			2,509.8	CHACRA
		199					3,120.1	CLIFF HOUSE
		- 3.5					3,220.1	MENEFEE
							3,987.9	POINT LOOKO.
							4,287.1	MANCOS
							5,187.0	GALLUP
mannan		antite				anna	5,296.9	
Hydraulic Fractu 34,360	G + 20,000# 20/40 sd. 1						5,948.2	GREENHORN
AIR= 30.9 bpm PERF - DAK	@ 2700# ISIP 1200# OTA: 6,052.0-6,082.0;						6,009.8	GRANEROS
Seating Nippla	4/10/1952			· · ·		_	6,051.8	DAKOTA
Hatel Caller	6,094.5 ftKB	- BB					8,052.2	DAROTA
Notch Collar, 2 6,0	94.5 ftKB; 6,095.0 ftKB	- 5555					8,082.0	
Low Press Acids 250 G Perfs: 618	zing; 4/2/1978; Acid w/						6,093.5	
PERE - DAK	82'.						6,094.5	
Hudroute F	4/8/1962						6,095.1	
63,770	G + 38,300# 20/40 sd.						6,136.2	
PERF - DAK	OTA; 6,180.0-6,190.0;	1993	1925				6,150.9	
Hydraulic Fran	4/6/1962 ture: 4/7/1962; Frac w/						6,180.1	
AIR= 20 br	G + 1,700# 20/40 sd.	12222	2555	2; Productio	0n1; 4 1/2 in; 4.052 i	n; 10.0	6,190.0	
- at t - and all	[PBTD: 6 220 0]			Production	Casing Cement; 5,2	97.0-	6 220 4	
	0.010.0.220.01			6,260.0; 4/3/	1962; 1ST STAGE: OC @ 5297' BY 75'	150 SX % EFF.	6 257 D	
				Auto cemen	t plug: 6,220.0-6.26	0.0:	0,201.0	
				4/3/1962; Au	tomatically created	cement	0,200.9	
				had a tagge	d depth.	out of the	6,259.8	

		EGOEIN			
istrict	Field Name	API / UWI	County	State/Provin	ee CO
iginal Soud Date	Surface Legal Location	East/West Distance (ft)	EastWest Reference North/South Distan	ce (ft) North/	South Reference
3/21/1962	017-028N-011W-D	990.00	FWL	990.00 FNL	
		Vertical - Original Hole	a, 1/1/2020 8:00:00 AM		
		Vertical schematic (actual)		MD (ftKB)	Formation Top
COLOR DATA DATA SUPERIO COLOR DATA DA	NAME OF TAXABLE PROPERTY OF TAXABLE PROPERTY.		1; Surface; 8 5/8 in; 8.097 in; 10.0 ftKB;=	9.8	-
			Surface Casing Cement: 10.0-206.0:		
			3/22/1962; CMT W/135 SX CEMENT	201.1	
	100000		CIRC TO SURFACE		
			Class B cement and squeeze until good	283.1	OJO ALAMO
Cement F	Retainer: 468.0-470.0	11 11	cement returns out BH valve. Mix 43 sx		KIRTLAND
The second second			and pump inside plug	470.1	
SQUEEZE PE	RFS: 518.0: 1/1/2020		Class B cement and squeeze until good		
			cement returns out BH valve. Mix 43 sx	990.2	and the second second
Cement Reta	iper: 1 040 0-1 042 0	11 11	and pump inside plug		FRUITLAND
Les entrette trene		10000000000	Plug 6; 990.0-1,090.0; 1/1/2020; Mix 36	1,042.0	1
			outside the casing, leaving 12 sx inside		
SQUEEZE PER	FS: 1.090.0; 1/1/2020	1000	the casing	1,089.9	
		1991 1993	Plug 6; 990.0-1,090.0; 1/1/2020; Mix 36		
			outside the casing leaving 12 sx inside	1,559.1	PICTURED CLI
			the casing		
			Plug 5; 1,509.0-1,609.0; 1/1/2020; Mix 12	1,639.1	LEWIS
			sx Glass B Gement and spot a balanced		
		Roland North	Production Casing Cement: 1,080.0-	1,722.1	
		- 6	1,722.0; 4/3/1962; 2ND STAGE: 100 SX	-	CHACRA
		12	CEMENT, TOC @ 1080' BY 75% EFF.	3,120.1	CLIFF HOUSE
			Plug 4: 3 170 0.3 270 0: 1/1/2020: Mix 38		-
Cement Rela	iner 3 220 0.3 222 0		sx Class B cement, squeeze 24 sx	3,220.1	MENEFEE
[Outlight Note	BITCH, 3.220,0-3.222.0		outside the casing, leaving 12 sx inside		
SQUEEZE PER	FS: 3.270.0: 1/1/2020		Ding 4: 3 170 0.3 270 0: 1/1/2020: Mix 36	3,270,0	
			sx Class B cement, squeeze 24 sx	Η	POINTLOOKO
			outside the casing, leaving 12 sx inside	4,236.9	
Cament Rela	inar 4 397 0 4 399 0	11 11	the casing.	+	MANCOS
To entern Note	arren. 4.207.0-4.205.0		Isx Class B Cement, squeeze 24 sx	4,289.0	
SQUEEZE PERI	FS: 4.337.0: 1/1/2020		outside the casing, leaving 12 sx inside		1
Town of Date			the casing	5,117.1	
SOUFEZE PERI	ES: 5 217 0: 1/1/20205		1 Plug 3; 4,237.0-4,337.0; 1/1/2020; Mix 30	Ή	GALLUP
Cement Reta	iner: 6.002.0-6.004.0-		outside the casing, leaving 12 sx inside	5,169.0	
PERF - DAKC	DTA; 6,052.0-6,082.0;		the casing	41	
of hudseulle Freehus	4/10/1962	1982 Barris	Plug 2; 5,117.0-5,217.0; 1/1/2020; MIX 38	5,296.9	
34,360 G	+ 20,000# 20/40 sd		outside the casing, leaving 12 sx inside		
- AIR= 30.9 bpm (2700# ISIP 1200#		the casing	5,948.2	GREENHORN
Low Press Acidizi	ng; 4/2/1978; Acid w/		Plug 2; 5,117.0-5,217.0; 1/1/2020; Mix 38		
250 G Pens: 6180	-90, 6136-61, 6052-7		loutside the casing, leaving 12 sx inside	6,003.9	
PERF - DAKO	TA: 6,136.0-6,151.0;		the casing	Н	GRANEROS
	4/8/1962		Plug 1; 5,902.0-6,002.0; 1/1/2020; Mix 12	6,051.8	DAKOTA
Hydraulic Fractu	ure; 4/9/1962; Frac w/	15505 PASS	plug inside the casing		UAROTA
AIR= 30,7 bom	@ 2800# ISIP 1100#	1020 1020 1020	The second	6,082.0	
PERF - DAKO	DTA; 6,180.0-6,190.0;	1020 S029	2: Production1: 41/2 in: 4.052 in: 10.0		
	4/6/1962	1500 - 0400 -	T ftKB; 6,259.0 ftKB	6,150.9	
Hydraulic Frach	G + 1 700# 20/40 rd	1000	Auto cement plug; 6,220.0-6,260.0;		
AIR= 20 bon	n (2 4000# ISIP N/A		4/3/1962; Automatically created cement	6,190.0	
	PBTD: 6.220.0		had a tagged depth.		
			Production Casing Cement, 5,297.0-	6,257.9	
			6,260.0; 4/3/1962; 1ST STAGE: 150 SX		1.4
			CALC	6,259.8	
			Free mores		

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: Lucerne A #1

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 (4337-4224) ft. inside/outside to cover Mancos Formation top. BLM picks top of Mancos at 4274 ft.
- b) Set plug #4 (3132-3032) ft. inside/outside to cover Mesa Verde Formation top. BLM picks top of Cliff House at 3082 ft.
- c) Set plug #6 (1338-1238) ft. inside/outside to cover Fruitland Formation top. BLM picks top of Fruitland at 1288 ft.
- d) Set plug #7 (518-0) ft. inside/outside to cover the Ojo Alamo and Kirtland Formation tops. BLM picks top of Kirtland at 467 ft. BLM picks top of Ojo Alamo at 333 ft.

Operator will run CBL from CR @ 6,002 ft. to surface to identify TOC.

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.