Form 3160-5 (August 2007)		NITED STATI		心至	1 Same	RM APPROVED B No. 1004-0137
(August 2007)		F LAND MAN	JAGEMENT		Expi	res: July 31, 2010
			FEB 2'	7 2013	5. Lease Serial No.	
	SUNDRY NOTICE		ORTS ON WELLS	-: -: -: - (	6 If Indian Allottee or Tril	SF-078096
Do no	t use this form fo	r proposals t	o drill or to re-enter PD) for such propos	ananac	emen	
	SUBMIT IN TRIPLIC				7. If Unit of CA/Agreement	t, Name and/or No.
. Type of Well						
Oil Well	X Gas Well	Other			8. Well Name and No.	Mudge B 100
2. Name of Operator					9. API Well No.	
Ba. Address	ConocoPh	nillips Compa	ny 3b. Phone No. (include area of	code)	30 10. Field and Pool or Explo	0-045-34846
PO Box 4289, Farm	ington, NM 87499		(505) 326-970		•	in Fruitland Coal
Location of Well (Footage, Sec					11. Country or Parish, State	
Surface Unit N	l (SESW), 1068' F	SL & 2376' F\	NL, Sec. 21, T31N, R	11W	San Juan	, New Mexico
12. CHE	CK THE APPROPR	IATE BOX(ES)	TO INDICATE NATURE	OF NOT	ICE, REPORT OR O	THER DATA
TYPE OF SUBMISSIC	DN	<u></u>	ТҮРЕ	OF ACT	ΓΙΟΝ	
X Notice of Intent	Acidize	[	Deepen	Pr	oduction (Start/Resume)	Water Shut-Off
<u> </u>	Alter Casin		Fracture Treat		eclamation	Well Integrity
Subsequent Report	Casing Rep		New Construction		ecomplete	Other
V•	Change Pla				emporarily Abandon ater Disposal	
Final Abandonment Notic	e Convert to	Intection	I Plug Back			
If the proposal is to deepen d Attach the bond under which following completion of the Testing has been completed.	ted Operation: Clearly sta lirectionally or recomplete the work will be perform involved operations. If th Final Abandonment Not	e all pertinent detai horizontally, give s ed or provide the B e operation results i	Plug Back ils, including estimated startin subsurface locations and meas ond No. on file with BLM/BL in a multiple completion or ree nly after all requirements, incl	ng date of an sured and tru A. Required completion i	le vertical depths of all pert l subsequent reports must b n a new interval, a Form 31	inent markers and zones. e filed within 30 days 60-4 must be filed once
<ol> <li>Describe Proposed or Comple If the proposal is to deepen d Attach the bond under which following completion of the Testing has been completed, determined that the site is real</li> </ol>	ted Operation: Clearly sta lirectionally or recomplete a the work will be perform involved operations. If th Final Abandonment Noti ady for final inspection.)	te all pertinent deta horizontally, give s ed or provide the B e operation results i ces must be filed or	ils, including estimated startin subsurface locations and meas ond No. on file with BLM/BL in a multiple completion or rea nly after all requirements, incl	g date of an sured and tru A. Required completion i uding reclar	e vertical depits of all perti- l subsequent reports must b n a new interval, a Form 31 nation, have been complete	inent markers and zones. e filed within 30 days 60-4 must be filed once
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<ul> <li>3. Describe Proposed or Complet If the proposal is to deepen d Attach the bond under which following completion of the Testing has been completed, determined that the site is react ConocoPhillips requirements.</li> <li>4. I hereby certify that the foregenergy of the test of test o</li></ul>	ted Operation: Clearly sta lirectionally or recomplete n the work will be perform involved operations. If th Final Abandonment Noti ady for final inspection.) puests permission	te all pertinent detai horizontally, give s ed or provide the B e operation results i ces must be filed on to P&A the s to P&A the s hame ( <i>Printed/Type</i> Masse S SPACE FO en Mason	d) d) d) Title Staff R FEDERAL OR STA	A. Required completion i uding reclar attached beginni rations	e vertical depits of all perti subsequent reports must b n a new interval, a Form 31 nation, have been complete <b>procedure, currer</b> hrs ng bry Technician	inent markers and zones. e filed within 30 days 60-4 must be filed once d and the operator has nt and proposed wellk RCVD APR 30 '13 OIL CONS. DIV.



# ConocoPhillips MUDGE B 100 Expense - P&A

Lat 36° 52' 48.601" N

Long 107° 59' 47.17" W

#### PROCEDURE

This project requires a NMOCD C-144 CLEZ Closed-Loop System Permit for the use of an A-Plus steel tank to handle waste fluids circulated from the well and cement wash up.

1. Hold pre-job safety meeting. Comply with all NMOCD, BLM, and COPC safety and environmental regulations. Test rig anchors prior to moving in rig.

2. MIRU work over rig. Check casing, tubing, and bradenhead pressures and record them in Wellview.

3. When an existing primary valve (i.e. casing valve) is to be used, the existing piping should be removed and replaced with the appropriate piping for the intended operation.

4. RU blow lines from casing valves and begin blowing down casing pressure. Kill well with water, as necessary, and at least pump tubing capacity of water down tubing.

5. ND wellhead and NU BOPE. Pressure and function test BOP. PU and remove tubing hanger.

6. TOOH with tubing (per pertinent data sheet).

 Tubing:
 Yes
 Size:
 2-3/8"
 Length:
 2,435'

8. PU watermelon mill and 2-3/8" tubing. Round trip watermellon mill to 2,316' or as deep as possible. TOOH and LD watermelon mill.

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 Type II mixed at 15.6 ppg with a 1.18 cf/sk yield.

#### 9. Plug 1 (Pictured Cliffs, 2452-2517', 9 Sacks Class B Cement)

Load 4-1/2" casing and pressure test tubing to 1000 psi. Mix 9 sx Class B cement and spot balance plug inside casing to isolate the Pictured Cliffs formation top. POOH

### 10. Plug 2 (Fruitland Coal Perforations and Formation Top, 1783-2316', 45 Sacks Class B Cement)

RIH with CR for 4-1/2" 10.5# J-55 casing and set @ 2,316'. Presure test casing to 800 psi. If casing does not test, spot and tag subsequent plugs as necessary. Run CBL from 2316' to surface. Contact Production Engineer with results. Mix 45 sx of Class B cement and spot plug inside casing to isolate the Fruitland Coal Perforations and Fruitland Coal Formation Top. PUH.

## 965 865

#### 11. Plug 3 (Kirtland and Ojo Alamo Formation Tops, 711-943', 22 Sacks Class B Cement)

Mix 22 sx Class B cement and spot balance plug inside casing to isolate the Kirland and Ojo Alamo Formation Tops. PUH.

## 12. Plug 4 (Surface Casing Shoe and Surface Plug, 0-186', 18 Sacks Class B Cement)

Attempt to pressure test the bradenhead annulus to 300 psi; note the volume to load. If the BH annulus holds pressure, then establish circulation out casing valve with water. Mix 18 sx cement and spot a balanced plug inside casing from 186' to surface, circulate good cement out casing valve. TOH and LD tubing. Shut well in and WOC. If the BH annulus does not test, perforate at the appropriate depth and attempt to circulate cement to surface filling the vasing from 186' and the annulus from the squeeze holes to surface. Shut in well and WOC.

13. Nipple down BOP and cut off casing below the casing flange. Install P&A marker with cement to comply with regulations. Rig down, move off location, cut off anchors, and restore location.

		hillips ? Mudge:B#100	· Current/Sc	hematic			
API/UWI	Name	Strice Legal Location (Field Name	Licease No.	State /P	routice	Well Configura	<u>פוזד וסא</u> Edit
3004534 Ground Eleu		021-031N-011W-N BASIN FRUITL	AND COAL	NEW		VERTICAL	Harger Distance (f)
5	876.00	C. L. STREAD AND AND TARGET AND THE WAR NAMED AND ADDRESS OF A DECK OF A DREAD ADDRESS OF A DREAD ADDRESS OF A D	11d Distance (0 3, 2, 11,00);	NO		And in Artistic	
	ttKB (	Well Config VER	TICAL - Original I	lólé, 2/26/2013 9	) 29:25 AM 🐗	ANDERT R	GOOTING THE FAIL
			Schematic - Actual		and the second		Frm Final
11							
12						<b>.</b> .	
13							
135	135			SURFACE CSG C	MT, 11-136, 2/3/20	009,	
136	136	Tubing, 2 3/8in, 4.70lbs/ft, J-55, <u>11 ftKB, 2,400 ftKB</u> Tubing Pup Joint, 2 3/8in,		-Surface, 7in, 6.45		пкв	. <i>•</i>
141	141	4.70lbs/ft, J-55, 2,400 ftKB		··· •			
761	761	Hydraulic Fracture, 7/8/2009, FRAC FRUITLAND COAL.					- OJO ALAMO, 761
893	893	FORMATION BROKE DOWN 712 PSI. BULLHEAD 500 GALS		PERF - FRUITLAN	D COAL, 2,366-2,	376,	KIRTLAND, 893
1,833	1,833	10% FORMIC ACID IN FRONT OF FRAC. PUMP 4,000 GAL 25#		PERF - FRUITLAN	D COAL, 2,434-2,4	452,	- Fruitland, 1,833
1,982	1,982	X-LINK PRE-PAD. FOLLOWED BY 26,182 GAL 25# LINEAR		Production Casing	Cement, 11-2,68 CEMENT HEAD &		
1,992	1,992	75% N2 FOAM W/ 30,260#		CEMENT LINES. T	EST LINES TO 350 CEMENT 4-1/2" CA	0 PSI	
2,366	2,366	16/30 BRADY SAND W/ 1 1,010,600 SCF N2, MAX PSI 1		AS FOLLOWS. PL	JMP 10 BBLS OF V FLUSH, 10 BBLS	VATER,	
2,376	2,376	2134, MIN PSI 1025, AVG PSI 1931. MAX RATE 33 BPM, MIN RATE 17 BPM, AVG RATE 32		VVATER. PUMP LE	7.8 CUFT WITH 39	6	
2,400	2,400	BPM. ISIP 1523. [Tubing, 2 3/8in, 4.70lbs/ft, J-55.]		CACL, 0.25 PPS C LCM-1, 0.4% FL-5	52, 0.4% SMS AT	12.1	· .
2,402	2,401	2,402 ft/kB, 2,433 ft/kB 1.78 F NIPPLE, 2 3/8in,		PPG = 70.8 BBLS PUMP TAIL CEME	NT: 90 SKS TYPE I	⊪, 139.2	
2,433	2,433	4.70lbs/ft, J-55, 2,433 ftKB, 2,434 ftKB			52 AT 14.6 PPG =	22.1	
2,434	2,434	Mule Shoe/X-CHECK, 2 3/8in, 4.70lbs/ft, J-55, 2,434 ftKB,		BBLS, YIELD - 1.3 DOWN, WASH LII		PLUG &	
2,435	2,434	2,435 ftKB			S OF FRESH WAT	ER	
2,452	2,452			HOLD FOR 10 MIN	UTES. FLOAT HE	LD. 10	PICTURED CLIFFS,
2,467	2,466			#-I	IGHOUT JOB. RIG		2,467
2,622				Cement Plug, 2,64 Production1, 41/	7-2,687, 5/11/200 2in, 4.052in, 11 ftK		LEWIS, 2,622
2,647	2,646	PBTD, 2,647		CASING EQUIPME	AFETY MEETING. NT, CHANGE OUT	RAMS.	. ,
2,647 2,648	2,647			∫ CASING TO 2687	2" 10.5# J-55 ST& .0". TOP OF FLOA	T SHOE	
2,686	2,647 2,685			2647.2'. MARKE		_	
2,687	2,686			ON EACH JOINTS	1- FLOAT SHOE J #2, 4, 6, 8, 10, 13 REL @ 2130 HRS.	16	
2,007	2,000	[TD, 2,702, 5/11/2009]		DOWN CASING C	REW., 2,687 ftKB 87-2,702, 5/11/200	_	
	L		Page	1/1		kep	ort Printed: 2/26/2013

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# Proposed Schematic

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ourd Elevar 5;8	876.00	אז נכוונגא איז אונגא 5,887.00	1:E-Croud D4ta	11.00	18:00	ing Flange D	Staror (f)	I E-Tubleg Honger DLa	nior (1)
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ftKB (MD)	Frm Final	Martin Altin	a na panana panana panana na manana ka	ل والمبين مواله مولي تولي . مراجع المراجع المراجع . الأمو المراجع المراجع المراجع .	Schematic	- Actual	hter in de stande de Stande de stande de st	ante e la parte de la companya de la parte de la companya de la companya de la companya de la companya de la co Altra de la companya d Altra de la companya d	an a
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12			·			ØØ.		•	. •
13								SG CMT, 11-136, 2/3 TO SURFACE	/2009, CIRC
135	·	Surface	, 7 in, 6.456 in, 11 ftKB, 13			ØØ/	Plug #4, 11-	186, 1 <i>/1 /</i> 2020, Mix 18	
136			11.61	3				spot a balanced plug surface, circulate go	
141							/ out casing v Plug #3, 711	alve. -943, 1/1/2020, Mix 2	2 sx Class
186				E E		Ø	coment and	opot bolance plug in: intland and Ojo Alamo	side easing t
711	A 16 AL ALIA -	704	•	Į.	<u>IIIIII</u>	ß	(topo.	•	
761	- OJO ALAMO, i							33-2,316, 1/1/2020, N lient and spot plug ins	
893	KIRTLAND, 8							ruitland Coal perforat	
943						1	Hydraulic Fr	acture, 7/8/2009, FR.	
1,783				Ľ.		0		COAL, FORMATION SI, BULLHEAD 500 (	
1,833	-FRUITLAND, 1,	633				Ø	FORMIC AC	D IN FRONT OF FRAM	C. PUMP 4,0
1,982			- ·.	E		0	26,182 GAL	LINK PRE-PAD FOLL 25# LINEAR 75% N2	FOAMW
1,992						91		40 BRADY SAND & 5 ND VV/ 1,010,600 SCF	
2,316		Cer	nent Retainer, 2,316-2,31	7		4	∫ 2134, MIN P	SI 1025, AVG PSI 19: RATE 17 BPM, AVG	31. MAX RA
2,317		, , , , , , , , , , , , , , , , , , , ,			Printing and Printing	Ø	OPM. ISIP 15	23.	
2,366	· • , •		PERF - FRUITLAND COAL 2,366-2,376, 7/3/200			#I)		52-2,517, 1/1/2020, N Id spot a balanced pl	
2,400							Scasing to ise	plate the Pictured Clif Casing Cement, 11-2,	is formation
2,402						ЯH	∬5/11/2009, F	RIG UP CEMENT HEAD	8 CEMENT
2,433								LINES TO 3500 PSI I EMENT 4-1/2" CASING	
2,434						Ø.		PLIMP 10 BBLS OF W JD FLUSH, 10 BBLS (	
2,435			PERF - FRUITLAND COAL 2,434-2,452, 7/8/2001			<b>#</b>	PUMP LEAD	CEMENT: 187 SKS P	REMIUM LITI
2,452	PICTURED CLIF	FS December	PBTD, 2,64	1 "长	<u>IIIIII</u>	Øt"	FLAKE, 5 PF	WITH 3% CACL, 0.24 S LCM-1, 0.4% FL-5	2, 0.4% SM
2,467	2,467	ftKE	ction1, 4 1/2m, 4.052m, 1 , HOLD PRE JOB SAFETY			6-1		F = 70.8 BBLS, YIELD JMP TAIL CEMENT: 9	
2,517		EQUIPM	MEETING, RIG UP CASING ENT, CHANGE OUT RAMS			11	. ∭III, 139,2 CUI	T WITH 1% CACL, 0	.25 PPS
2,622	LEWIS, 2,62.	2RUN	165 JTS, 4-1/2" 10,5# J-5 ASING TO 2687.0'. TOP OI	3K		1	22.1 BBLS,	YIELD - 1,38 CUFT/SI	<. Shut
2,647		FLOAT	Shoe @ 2686.1', Top of		ellella	a -		SH LINES, DROP WIP MTH 10 BBLS OF SU	
2,647		FL0	DAT COLLAR @ 2647.2'. MARKER JT. @ 1982.4'.				8-32 BBLS 0	OF FRESH WATER AT 0030 HOURS. H	BUMP PULIC
2,648			ALIZERS: 1- FLOAT SHOP 1 ON EACH JOINTS #2, 4	= \			MINUTES. FI	OAT HELD, 10 BBL	S OF CEMEN
2,686			6, 8, 10, 13, 16, 44. LAN			Ø		E. FULL RETURNS T DVVN CEMENT EQUIP: DVVN CEMENT EQUIP:	
2,687	2 2 2 2 2	DOWN C	NDREL @ 2130 HRS. RK	≷. <b>∟_∦∉</b>	<u> </u>			2,647-2,687, 5/11/2	

## 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: 100 Mudge B

## **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) Place the Kirtland plug from 965' - 865'.

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.