Form 3160-5

# **UNITED STATES**

FORM APPROVED

(August 2007)	BUREAU OF LAND MAI		MAY 01	. 2013 Expires: J	July 31, 2010			
				5. Lease Serial No.	-077922			
SUN	NDRY NOTICES AND REPORT OF THE NOTICES AND R	ORTS ON WELL	Smilly Cont	6. If Indian, Allottee or Tribe I	Vame			
Do not us abandoned	e this form for proposals : I well.  Use Form 3160-3 (A	to drill or to re-e NPD) for such pi	enter an roposals.	}				
	JBMIT IN TRIPLICATE - Other ins			7. If Unit of CA/Agreement, N				
1. Type of Well Oil Well	Gas Well X Other	SWD		8. Well Name and No.				
				McG	rath SWD 4			
2. Name of Operator <b>Burling</b>	gton Resources Oil & Gas	Company LP		9. API Well No. <b>30-045-25923</b>				
3a. Address PO Box 4289, Farmingt	on, NM 87499	3b. Phone No. (include (505) 32	·	10. Field and Pool or Explorate Mesa	ory Area verde SWD			
4. Location of Well <i>(Footage, Sec., T.,i</i> <b>Surface</b> Unit B (N	R.,M., or Survey Description)  IWNE), 800' FNL & 1730' F	EL, Sec. 34, T30	N, R12W	11. Country or Parish, State San Juan ,	New Mexico			
12. CHECK T	THE APPROPRIATE BOX(ES)	TO INDICATE NA	TURE OF NO	TICE, REPORT OR OTHE	ER DATA			
TYPE OF SUBMISSION		-	TYPE OF AC	TION				
X Notice of Intent	Acidize	Deepen	==	Production (Start/Resume)	Water Shut-Off			
Subsequent Report	Alter Casing Casing Repair	Fracture Treat  New Construction	===	Reclamation Recomplete	Well Integrity Other			
	Change Plans	X Plug and Abando	===	Temporarily Abandon				
Final Abandonment Notice  13. Describe Proposed or Completed Open	Convert to Injection	Plug Back		Water Disposal  any proposed work and approxit	mate duration thereof			
Attach the bond under which the v following completion of the involv Testing has been completed. Final determined that the site is ready fo	ionally or recomplete horizontally, give work will be performed or provide the ved operations. If the operation results al Abandonment Notices must be filed or final inspection.)  requests permission to P8	Bond No, on file with s in a multiple complete only after all requirements	BLM/BIA. Requion or recompletion or recompletion ents, including rec	red subsequent reports must be t on in a new interval, a Form 3160 lamation, have been completed a	filed within 30 days 0-4 must be filed once and the operator has			
# Add a Chaera	a plug from 2'	544 to 26	નુ <b>વ</b> ' Notify NMO	OI	CVD MAY 7'13 L CONS. DIV. DIST. 3			
			prior to b	eginning ations				
14. I hereby certify that the foregoing is	s true and correct. Name (Printed/Typ	ped)						
Dollie L. Busse			Staff Regulat	ory Technician				
Signature_	Hasse	Date	4/30,	/13	····			
	THIS SPACE FO	R FEDERAL OR	STATE OF	ICE USE				
Approved by								
Original Si Conditions of approval, if any, are attac	igned: Stephen Mason		Title		Date MAY () 3 3913			
Conditions of approval, if any, are attac	theu. Approval of this notice does not	warrant or certify	1					

that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

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.

## ConocoPhillips MCGRATH 4 SWD Expense - P&A

Lat 36° 46' 27.012" N

Long 108° 4' 54.912" 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. RU slickline unit. Set RCE blanking plug in the R profile nipple at 4212'. Anticipate ~1150 psig tubing pressure and 300 psig casing pressure. Bleed off tubing and casing pressures after setting plug.
- 3. MIRU work over rig. Check casing, tubing, and bradenhead pressures and record them in Wellview.
- 4. 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.
- 5. RU blow lines from casing valves and bleed off tubing and casing pressures.
- 6. ND wellhead and NU BOPE. Function and pressure test BOP. PU and remove tubing hanger. Release from on/off tool. Do not circulate hole. Annular fluid is treated with corrosion inhibitor.
- 7. TOOH and laydown 3-1/2" tubing (per pertinent data sheet). Packer and lower tail assembly will be left in the hole.

Size: Length: Rods: No Tubing: Yes Size: 3-1/2" Length: 4186' Depth: 4197' Packer: Yes Size: 5-1/2"

- 8. Pick up 2-3/8" workstring and round trip watermelon mill to 3600'.
- 9. Pressure test the tubing to 800 psig an the casing to 1500 psig. If casing does not test, spot and/or tag plugs as appropriate.

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.

10. Plug 1 (Mesaverde, 3985-4197', 30 Sacks Class B Cement - Cement volume has been increased to provide safety factor for this SWD well)

TIH to packer top at 4197. Establish circulation and circulate well clean. Mix 30 sx Class B cement and spot inside the casing above the packer to isolate the Point Lookout injection interval. TOOH.

11. Plug 2 (Mesaverde, 3335-3535', 88 Sacks Class B Cement - Cement volume has been increased to provide safety factor for this SWD well)

RU wireline unit. GIH with 3-1/8" HSC guns and perforate 3 squeeze holes at 3535'. RD wireline. TIH and set 5-1/2" cement retainer at 3485'. Load hole with water and circulate well clean. Pressure test tubing to 1000 psig. Mix 88 sx of Class B cement and squeeze 59 sx behind casing and leave 29 sx inside to cover the Mesaverde top. TOOH.

12. Plug 3 (Pictured Cliffs, 1836-1936', 17 Sacks Class B Cement)

TIH. Mix 17 sx Class B cement and spot a balanced plug to cover the Pictured Cliffs formation top.

1660 1560

13. Plug 4 (Fruitland Coal, 1240-1340', 17 Sacks Class B Cement)

Mix 17 sx of Class B cement and spot a balanced plug to cover the Fruitland Coal formation top.

14. Plug 5 (Ojo Alamo & Kirtland, 360-620', 36 Sacks Class B Cement)

Mix 36 sx of Class B cement and spot a balanced plug to cover the Ojo Alamo and Kirtland formation tops. POOH.

15. Plug 6 (Surface, 0-281', 99 Sacks Class B Cement)

RU wireline unit. GIH with 3-1/8" HSC guns and perforate 3 squeeze holes at 281'. RD wireline. Establish circulation through bradenhead valve. Mix and pump 99 sx Class B cement down production casing and circulate cement out bradenhead. Shut well in and WOC.

16. Nipple down BOP and cut off casing below the casing flange. Install P&A marker with cement to comply with regulations. Rig down and move off location. Anchors will be removed as part of the reclamation phase that is currently in progress.

Current Schematic Current Schematic Well Name:   MCGRATH   MISWD							
APITUVE 3004525923		INIMA ID:MESAVERDE	ceine Nó	NEW MEXICO	Well Conf	guat on Type	
3/0:101 ELEVATION (TO 5,749.00		KIS-Cilouna Durante (1	•	ising Places Distance (R) 5.761.00	K8-70	5.761.00	
	Well	T 97 1 1 12 12 12 12 12 12 13 13 13 13 13 13 13 13 13 13 13 13 13	with a size of the con-	the second second second second	*	CENTRAL THE VEHICLE AND A PERSONNEL OF E	
TIKE TIKE	AND THE RESERVE OF THE PARTY OF	A V Debremelie	Achrol		32.51	From Final Section	
A(MID) = ( (AD)	A SECTION SECT	ar the array State Hiddle	- nausi Cara Cara	The state of the s	3 Car (C) 854	Section Little Box 2004.	
D .	Tubing Joints (internally plastic coated - TK-99), 3 1/2in,					,	
12	9.33(te/ft, J-55, 12 ft/fb, 45 ft/fb)	VALIDATION	V3	<u></u>		,	
45	Tubing Pup 3's (internally plastic coated - TK-93), 3 1/2in,				· i	, , , , , , , , , , , , , , , , , , ,	
67	9.30lbent, J-55, 45 fikb, 67 fikb			saing Cément, 12-231, 9 w/230 sxs Class B. Circ		, ,	
230			surface.		j		
231			Suitabe, B	5/6 in, 8.097 in, 12 fix B.	231 1110		
1 1	7700 @ 3797			•	Ì		
378	TOC @ 378			weeze, 378-600, 9/26/1 weeze holes @ 554', sel		OJO ALAMO, 410	
570			345', squee	ezed w/10D axa Class B.		KIRTLAND, 570	
1,290			Class B, &	sqz cmi fiole ( <b>2)</b> 840' w/ 75 sxs Class B. 9/29/19		FRUITLAND, 1,290	
1,535				good bond. Casing Cement, 550-2,	139,	PICTURED CLIFFS,	
2,100	Tubing Joints (internally plastic coated - TK-99), 3 1/2in,			2nd Stage cmt w/310 st z <del>. talied w/50 sxa Ctass</del>		1,856 LEWIS, 2,100	
2,137	9.30/bs/ft, J-55, 67 ft/kg, 4,162		}	L 9/26/1984.	ł		
2,139	[		DV tool lea	jveeze, 1,970-2,200, 9/2 king, set retainer @ 166	57',		
2,933				n/100 sxs Class B. 9/29 bond from 2200 to 1970		CHACRA, 2,933	
3,485	TOC @ 3565			· · · · · · · · · · · · · · · · · · ·			
3,565	Tubing Joints (internally plastic coated - TK-99), 3 1/2in,						
3,603	9.3005%, J-55, 4,162 fkB, 4,194 fkB		<b></b>				
4,162	27/8 6RD EUE X 3 1/2 8RD EUE XXO, 3 1/2in, 9.50ibs/ft.						
4,194	J-55, 4,194 fikB, 4,195 fikB \\ X-NIPPLE2.310 lD, 27/8in,						
4,195	6.5005/ft, J-55, 4,195 ftKB, L		4 -				
4,195	4,196 fikB ON/OFF		]		ļ	-	
4,197	TOOL/F-PROFILE2.250" ID, 2   7/8h, 6.50lbs/ft, J-55, 4,196						
4,195	ΠKB, 4,198 RKB	10.00	Packer, 4,1	197-4.202	1	i i a si se sarar ar a	
4,201			Tubha Sut	0, 4,202-4,212			
4,212			* * * * * * * * * * * * * * * * * * * *	(212-4,212)			
4,212	Antigenes and process and a second			miry Guide, 4,212-4,213	····	, , , , , , , , , , , , , , , , , , ,	
4,213	Acid Frac, 9/29/1984, Acid Frac'd w/7,700 gals of 15% ;		A TANKSHIE C	m , worde, with the fall for	1	POINT LOOKOUT,	
4,263	MCA acid & 200 bail sealer. \ Hyd Frao Silckwater, 8/15/1986,		3			4,263	
4,272	Fracid w/ 102,000# of 20/40 _ sand and 127,000 gals of	1-4	Point Look	out, 4,272-4,374, 9/29/1	984	,,,,,,,,	
4,374	elkawaler.					IIIIIOO I etc.	
4,615						MANCOS, 4,616	
4,653 4,653	[PBTD, 4,653]	A CONTRACTOR	<b>3</b>				
4,655				Casing Cement, 3,565-		ļ,.	
4,697			] r 9/12/1984.	1st Stage cmt w/150 sx 3565 by CBL 9/26/1984	is Class		
4,693		VIII.		1, 5 1/2h, 4.950h, 12 fi			
4,700	TD, 4,700, 9/5/1984		3	snent Fill, 4,693-4,700, 9	9/12/1984		
7,102	[1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-					į	

ا.

	ະລັດແກ່ເລັ່ວ	Proposed Schematic							
	coPhillips Vaine: MGGRATH	#4 SWD					13	and the second of the second	1.
API/UWI 300452592	Orrox legal 23 SEC 34 T3		FRM Name SWD:MESAVERDE	Lixerse No.		State Province NEVV MEX		Well Configuration Type	April :
Ground Elevati	oret Original (B.P.)	Elekation (ff)	(6)Ground District		[68-Cast	g Flaige Di	tile it		
Action 1	19.00	5,761.00	THE REPORT OF THE PARTY OF THE	2.00	147 T	5,76	Trace of the Control of	5,761	ne na Liv
			Well Config.		Hole, 1/1/2	020		No side interpretation	3.5
	Frm Final				Schematic	LAMial a	8-10-20-1 1351/15	વારોક કે વિકારી કર્યું એક વૈકે છે. કર્યક્રમાં કર્યા કર્યા ભાષામાં જ્યાં	
	22 33 110 1 110 1 2 2 2 2	1 333 1 1 1 1 1 1	Several of the analysis of a set of sever	<u>ar an ar ar ja tar 40</u>	S. P. Schollado	- notual s			
12	•	VALUE OF THE STATE	iammunim	(414)	uanaa			asing Cement, 12-231, w/230 sxs Class B. Ci	
45							surface.		
67								2-281,1/1/2020	
230		Surface t	3 5/8in, 8.097in, 12 ftkB,					2-281, 1/1/2020, Mix 99	
231		1 22 .950	231 ftKB	<del>-   ^  </del>	X/////X	3 <del>-4</del> 1/		d pump down production ood cement out brader	
240	* •	COURT	· · · · · · · · · · · · · · · · · · ·			<u>¥</u> _/		ueeze, 378-600, 9/26/	
281 360		SUCE	E PERFS, 281, 1/1/2020			1		oles @ 554', set pkr @	
378		1			11111			w/100 sxs Class B. 9/	
410	- OJO ALAMO, 410	ļ				3		g 540' w/100 sxs Class	
550	4				X/////X	81 - 1	1	/29/1984 CBL, 600' to 3	78'
570	KIRTLAND, 570	<b> </b>			$\chi////\chi$	<b>≱</b> —-/	Bond.	60-620, 1 <i>/</i> 1/2020, Mix 3	S ~
600		ļ		· · · · • • • • • • • • • • • • • • • •		<del>}</del>		d spot a balanced plug	
620		ļ			******			and Kirtland formation	
1,240	EDISTI AND 4 000				77777	<b>4</b> .	Plug #4, 1,	240-1,340, 1 <i>/</i> 1/2020, M	ix 1
1,290	FRUITLAND, 1,290			V				ement and spot a balan	
1,340 1,836	• •	l:				<b>7</b>		Fruitland formation top.	
1,886	PICTURED CLIFFS,							836-1,936, 1 <i>1</i> 1/2020, M	
1,936	1,886				777777	بـــــــــــــــــــــــــــــــــــــ		ement and spot a balan Pictured Cliffs formation	
1,970		ł			1 K			Casing Cement, 550-2	
2,100	LEWIS, 2,100				X 8	∛		2nd Stage cmt w/310	
2,137	* *			- K	X X	3 /		tailed w/50 sxs Class	H. 1
2,139				. I	ă ă	XII	550' CBL 9		
-2,139		ļ			<u> </u>	<u> </u>		ueeze, 1,970-2,200, 9	
2 200 2 933					) ]			g, set retainer @ 1867' Class B. 9/29/1984 Cl	
3,335	or it total if Eloop				decent.	- lea	from 2200		- <u>-</u> 9
3,485	- CLIFF HOUSE, 3,485 -	<u> </u>	15 11 2 45 2 45 2		<u> </u>	XI		335-3,535,1/1 <i>1</i> 2020_	
3,486			nt Retainer, 3,485-3,486	8	T1777	\$!···/		335-3,535,1 <i>1</i> 1/2020,N	
3,535		SQUEEZE	PERFS, 3,535, 1/1/2020		1777777	4 (		ement, squeeze 59 sx l	
3,565	MENIETER COO				a t	<b>a</b> ' ''		29 sx inside casing to e formation top.	COV
3,603 h 3,985	MENEFEE, 3,603			V	<u>1</u> {	1	-Linesay CI U	o romanon top.	
4,162		1				31			
4,194									
4,195				· · ·			<u> </u>	500 4 600 A 100	<del></del>
4,196						4		985-4,197,1 <i>1</i> 1/2020, M	
4,197						<del>4</del>		ement and spot inside the River to isolate the Mesa	
4,198			Packer, 4,197-4,202	<del>  </del>		a	injection in		
4,201 4,212		[	ubing Sub, 4,202-4,212	K		a	.,		
4,212			R-Nipple, 4,212-4,212			al``			
4,213	DONEL ACTION "	Wireline E	ntry Guide, 4,212-4,213	<del>  </del>		<b>a</b> l		9/29/1984, Acid Frac'd	
4,263	POINT LOOKOUT,	<b> </b>		<del> </del>	3 E	J		% MCA acid & 200 ball	
4,272	4,263	Poi	nt Lookout, 4,272-4,374,		}	7 <u>1 1</u>		Slickwater, 8/15/1986, of 20/40 sand and 127,	
4,374		) L	9/29/1984		<b>}</b> ₩	# -	slickwater		
4,616	MANCOS, 4,616			Y	j E	<del>}</del>		·	
4,653			PBTD, 4,653		KILLIA	1			
4,653 4,655	• •				VIIIIA	<b>4</b>	Droduction	Casing Cement, 3,565	10
4,655		Producti	on1, 5 1/2in, 4.950in, 12		VIIIII	31.	,	i Casing Cement, 3,565 , 1st Stage cmt w/150 :	•
4,698			ftKB, 4,698 ftKB		4444	<i>ک</i> ے۔۔۔۔		65' by CBL 9/26/1984.	
,		J	TD, 4,700, 9/5/1984		11111111	NJI		ment Fill, 4,698-4,700,	

# 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: 4 McGrath SWD

### 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 Fruitland plug from 1660' 1560'.

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.