submitted in lieu of Form 3160-5

## UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

### RECEIVED

MAR 18 2011

Sundry Notices and Reports on Wells	 Bu	Farmington Field Office. Ireau of Land Managemen	
1. Type of Well GAS	5. 6.	Lease Number SF-077730 If Indian, All. or Tribe Name	
2. Name of Operator	7.	Unit Agreement Name	
BURLINGTON			
RESCURCES OIL & GAS COMPANY LP  3. Address & Phone No. of Operator	- 8.	Well Name & Number Sunray E 2	
PO Box 4289, Farmington, NM 87499 (505) 326-9700	9.	API Well No.	
4 1 C CW II D 4 C T D M	-	30-045-09662	
4. Location of Well, Footage, Sec., T, R, M  Unit L (NWSW), 1650' FSL & 990' FWL, Section 9, T30N, R10W, NMPM	10.	Field and Pool Aztec PC / Blanco MV	
	11.	County and State Rio Arriba, NM	
X Notice of Intent X Abandonment Change of Plans Recompletion New Construction Subsequent Report Plugging Non-Routine Fracturing Casing Repair Water Shut off Final Abandonment Altering Casing Conversion to Injection		Other	
13. Describe Proposed or Completed Operations  Burlington Resources requests permission to P&A the subject well per the attached procedure, c schematic.  RECEIVE  MAR 2011	37 /20 12 /20 12 /20 /20 /20 /20 /20 /20 /20 /20 /20 /2	۸	
14. I hereby certify that the foregoing is true and correct.  Signed Tapuna Crystal Tafoya  Title: Staff-Regulation	cory Tec	hnician Date 3/18/6	
(This space for Federal or State Office use)  APPROVED BY Original Signed: Stephen Mason  CONDITION OF APPROVAL, if any:		Date MAR 2 2 2011	

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

NMOCD

### Sunray E #2 (PC)

Pictured Cliffs / Blanco MesaVerde 1650' FSL and 990' FWL, Unit H Section 009, T30N, R10W San Juan County, New Mexico / API 30-045-09662 Lat: 36° 49' 26.184" N/ Long: 107° 53' 38,544" W

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

- 1. 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.
- Install and test location rig anchors. Comply with all NMOCD, BLM, and Operator safety
  regulations. MOL and RU daylight pulling unit. Conduct safety meeting for all personnel on
  location. Record casing, tubing and bradenhead pressures. NU relief line and blow down well.
  Kill well with water as necessary and at least pump tubing capacity of water down the tubing. ND
  wellhead and NU BOP. Function test BOP.

3.	Rods: Yes, No_X_, Unknown
	Tubing: Yes X, No, UnknownSize 2 3/8", Length_ 5324.0'
	Packer: Yes, No_X_, UnknownType
	If this well has rods or a packer, then modify the work sequence in step #2 as appropriat

- 4. Plug #1 (Point Lookout perforations and top: 5081' 5181'): RIH and set 5 ½" CIBP at 5182'. Load casing and circulate well clean. Mix 17 sxs Class B cement and spot above CIBP to isolate the Point Lookout perforations and top. POH.
- 5. Plug #2 (Mesaverde top: 4535' 4635'): Mix 34 sxs Class B cement and spot above a balanced plug inside casing to cover MV top. PUH.

- Chara plug 3778'-3678'

- 6. Plug #3 (7 5/8 casing shoe and liner tops: 3112' 3256'): Perforate 3 squeeze holes at 3256'. RIH and set 5 1/2" CR at 3206'. Establish a rate into the squeeze holes. Mix 55 sxs Class B cement. Squeeze 15 sxs into the 5 ½" liner and 7 5/8" casing annulus. Leave 40 sxs in the casing to cover 7 5/8" casing shoe and Liner top. POH.
- 7. Plug #4 (Pictured Cliffs perforations and top: 2845' 2945'): RIH and set 7 5/8" BP at 2946 Mix 34 sxs Class B cement in casing to cover Pictured Cliffs perforations and top. PUH.

  2/1/5 2645 13513
- 8. Plug #5 (Fruitland top: 2715' 2615'): Mix 34 sxs Class B cement and spot above a balanced plug inside casing to cover Fruitland top. PUH.

1583 1402

- 9. Plug #6 (Kirtland and Ojo Alamo tops: 1596' 1801'): Mix & sxs Class B cement and spot above a balanced plug inside casing cover Kirtland and Ojo Alamo top. POH.
- 10. Plug #7 (10-3/4" casing shoe, Nacimento and surface: 283' surface): Perforate 3 squeeze holes at 283'. Establish circulation out bradenhead with water and circulate the BH annulus clean.

Mix 163 sxs Class B cement. Squeeze 90 sxs cement outside the casing and leave 73 sxs in the casing to cover surface casing shoe.

10. ND BOP and cut off wellhead below surface casing flange. Install P&A marker with cement to comply with regulations. RD, MOL and cut off anchors. Restore location per BLM stipulations.

#### Current Schematic ConocoPhillips Well Name: SUNRAY E.#2 Surface Legal Location 3004509662 State / Proulace Mell Configuration Type : NMPM.009-030N-010W NEW MEXICO BLANCO PETURED CLIFFS (S... KB-Crossed Distance (M): 11.00 di-Caslig Flaige Distaice (ħ) Ground Eleuation (f) Original KB/RT Elecation (f) kB-Tiblig Haiger Distaice (1) 6.395:00 at 2 6.406.00 6 406 00 6,406.00 Well Config: Original Hole 3/2/2011 9:29:49 AM Schematic - Actual (MD) (TVD) 11 Surface:Casing-Cement/141475/111111111 12/14/1957, Cmt/d w/150 sxs. Cmt 165 circulated to surface. 174 Tubing, 2 3/8in, 4.60lbs/ft, J-55, Surface, 10 3/4in, 10.192in, 11 ftKB, 11 ftKB, 5,301 ftKB 175 Casing adjusted to Production 11 KB., 175 Hyd Frac-Slickwater, ftKB 1.630 5/27/1960. Water frac'd 1,646 OJO ALAMO, 1,646 Pictured Cliffs perf W/33:084 gal water and 35,000# sand. 1,751 -KIRTLAND, 1,751 -Hyd Frac-Foam N2, 6/27/2000, 2,665 FRUITLAND, 2,665 Frac'd w 4000 Gal 70 quality 2,995 PICTURED CLIFFS, 2,995 foam pad, 20# linear get and 2,996 pumped approx 186000#-20/40-Pictured Cliffs, 2,996-3,020, 5/27/1960 AZ sand @ 70 quality foam and 3,020 20# linear gel and 8500 SCF 3,139 - LEVVIS, 3,139 -3,162 Liner top @ 3162' Intermediate Casing Cement, 1,630-3,206, 3,165 12/23/1957; Cmt'd w/ 100 sxs. 150 sxs. Hyd Frac-Foam N2, 6/25/2000, POZ mix . TOC @.1630. 3,205 Frac'd with 30000 gal 80 Intermediate1, 7 5/8in, 6.969in, 11 ftKB, quality foam pad, 20# linear gel. 3,206 3 206 ftKB and 204,000# 20/40 brady 3,208 sand @ 70 quality toam, 20# 3,590 linear gel and 17100 SCF N2. Hyd Frac-Slickwater, 1/3/1958, 4,035 Lewis, 4,045-4,345, 6/25/2000 Water frac'd Cliff House perf 4,045 Cement squeeze, 4,035-4,355, w/40,400 gal water and 10/31/2000, Squeezed Lewis perfs 4,345 40,000# sand. 4035-4335 w/150 sxs Class H cmt. Hyd Frac-Slickwater, 4,355 Cliff House, 4,585-4,656, 1/3/1958 6/24/2000, Frac'd with 4,549 Cliff House, 4,586-4,660, 6/23/2000 100,000# 20/40 brady sand Cement squeeze, 4,549-4,660, 1/8/1958, 4,585 and 15,000 dals of slickwater CLIFF HOUSE, 4,585 Squeeze Cliffhouse perfs W/ class B-neat 4,586 Hyd Frac-Slickwater, cement VV/ 2% CACL . 6/23/2000, Frac'd with 4,656 Cement squeeze, 4,585-4,660, 7/19/2000, 100,000# 20/40 brady sand \ 4,660 Re-squeezeed Cliff House Perfs w/150 and 15,000 gals of slickwater 4,708 Hvd Frac-Slickwater, 1/2/1958. Menetee, 4,708-4,908, 6/22/2000 Water frac'd Point Lookout perf 4,775 MENEFEE, 4,775 Cement squeeze, 4,708-4,908, w/62,450 gals water and 4,908 10/31/2000; Squeezed Menefee perfs -60,000# sand. 4708-4908 w/100 sxs class H. 5,232 Seating Nipple, 2 3/8in. 4.60lbs/ft, J-55, 5,301 ftKB, 5,233 POINT LOOKOUT, 5,233 -5,302 ftKB 5,301 Point Lookout, 5,232-5,364, 1/2/1958 Tubing, 2 3/8in, 4.60lbs/ft, J-55 5,302 5,302 ftKB, 5,334 ftKB Expendable Check, 2 3/8in, 5,334 4.60lbs/ft, J-55, 5,334 ftKB, 5,335 5.335 ftKB 5,363 MANCOS, 5,363 Liner Cement, 3,590-5,426, 12/30/1957, 5,364 ·Cmt'd w/1150 sxs. TOC @ 3590' as per 5,384 PBTD, 5,384 CBL of 6/22/2000 5,425 Production1, 5 1/2in, 4.950in, 3,162 ftKB, 5,426 ftKB 5,426 Display Cement Fill, 5,426-5,436,

12/30/1957

Report Printed: 3/2/2011

5,436

TD, 5,436, 12/30/1957

### Proposed Schematic

# ConocoPhillips Well Name: SUNRAY E#2

AFI7UWI 3004509	662	Strace Legal Location NMPM,009-030N-010W		CUFFS	License No.	State/Frouthos NEW MEXICO	$A_{ij}$	onignation Type <u>Edi</u> r
Ground Eleu 6,	ഷം ന ,395.00	Original KB/RT Ekuation (1) 6,406,00	K∄-Gro	end Distance (1	<b>ወ</b> .00	(M-Casing Flange Distance (1) 3 6,406.00	KII-	Tublig Haiger Oktaice (f)
LORES	a Palas		- Well (	Config. :	Origina	l Hole, 1/1/2020	i Tai	
- 7 1 h - 11 - 21 18 15	ftKB (TVD)			Schematic	- Actual			Frm Final = -
- 0		3.5.1.5.5.7.5.1.7.1.5.7.1.5.1.7.1.5.1.1.7.7.5.1.1.7.7.1.7.7.1.5.7.7.7.7						
- 165		Hole Sizes				;12M4M957; Emt'd\WM50'sxs' Emt' circulated to surface.		
· - 175		Surface size: 15 Intermediate size: 9-7/8				Surface, 10 3/4in; 10.192in, 11 ftKB Casing adjusted to Production:11 KE≏		
- - 283		Production size: 6-3/4			8	#KB ∼Plug #7, 11-283, 1/1/2020		NACIMIENTO, 233
1,630					् । \   वि	Plug #7 squeeze, 11-283, 1/1/2020 Plug #7 Perf, 283, 1/1/2020		0.10.01.0140.4.040
·1,751						- Plug #6, 1,596-1,801, 1/1/2020		OJO ALAMO, 1,646 KIRTLAND, 1,751
2,615		Hyd Frac-Slickwate 5/27/1960, Water frac				r Plug #5, 2,615-2,715, 1/1/2020 r Plug #4, 2,845-2,945, 1/1/2020		EDINT AND 2 CCC
2,715		Pictured Cliffs perf w/33,08 gal water and 35,000# san	4 \			Bridge Plug - Permanent, 2,945-2,94 Pictured Cliffs, 2,996-3,020, 5/27/19	_	FRUITLAND, 2,665
2,945		Hyd Frac-Foam N2, 6/27/200 Frac'd w .4000 Gal 70 quali	o, 1, 🛭			Plug #3, 3,112-3,162, 1/1/2020 Cement Retainer, 3,205-3,206	<del></del> .	
2,995	-	foam pad, 20# linear gel ar pumped approx 186000# 20/4	a l			Intermediate Casing Cement, 1,630-3 12/23/1957, Cmt'd w/ 100 sxs. 150		PICTURED CLIFFS, 2,995 -
3,020		AZ sand @ 70 quality foam ar	d 🕶	1		∫POZ mix . TOC @ 1630 per Temp su 12/20/1957		
3,139	-	20# linear gel and 8500 SC	<u>-</u>			Intermediate1 , 7 5/8in , 6.969in , 11 ftl 7 3 206 ftKB	⟨B,	LEWIS, 3,139
3,165		Liner top @ 316				, Plug #3, 3,162-3,256, 1/1/2020 , Plug #3 squeeze, 3,165-3,256, 1/1/2	020	
3,206		Hyd Frac-Foam N2, 6/25/200	' I N.			Plug #3 Perf, 3,256, 1/1/2020 Lewis, 4,045-4,345, 6/25/2000		
3,256		Frac'd with 30000 gal 8 quality foam pad, 20# linear g	el- <b> </b>			Cement squeeze, 4,035-4,355, 10/31/2000, Squeezed Lewis perfs		
4,035		and: 204,000# 20/40 brad sand @ 70 quality foam; 20	# \		g · //	4035-4335 w/150 sxs Class H cnt. Cliff House, 4,585-4,656, 1/3/1958		·
4,345		linear gel and 17100 SCF N: Hyd Frac-Slickwater, 1/3/195/	3, · · 1	<b>A</b>		Cliff House, 4,586-4,660, 6/23/2000 Plug #2 new, 4,535-4,635, 1/1/2020		
4,535		Water frac'd Cliff House pe w/40,400 gal water an	d\			Cement squeeze, 4,549-4,660, 1/8/1		
4,585	-	40,000# sand Hyd Frac-Slickwate	r. \			Squeeze Cliffhouse perfs W/ class E		CLIFF HOUSE, 4,585
4,635		6/24/2000; Frac'd wit 100,000# 20/40 brady san	d A			Cement squeeze, 4,585-4,660; 7/19/ Re-squeezeed Cliff House Perfs w/1		
4,660		and 15,000 gals of slickwate Hyd Frac-Slickwate		H		sxs neat. Menefee, 4,708-4,908, 6/22/2000		
4,775		6/23/2000, Frac'd with 100,000# 20/40 brady san	h	<b>F</b>		Cement squeeze, 4,708-4,908, -10/31/2000, Squeezed Menetee peri	S	MENEFEE, 4,775
5,081		and 15,000 gals of slickwate	E-100		<u> </u>	4708-4908 wM00 sxs class H. -Plug #1, 5,081-5,181, 1 <i>H1</i> 2020	_	
5,182						Bridge Plug - Permanent, 5,181-5,182	2]	
5,233		Hyd Frac-Slickwater, 1 <i>121</i> 1958 Water frac'd Point Lookout per	1			Point Lookout, 5,232-5,364, 1/2/1958	1	POINT LOOKOUT, 5,233
5,302		w/62,450 gals water an 60,000# sand		H		6 On it Doortook, 5,202-5,004, 172/1930	<b>J</b>	
5,335	1			<b>#</b>	1	Liner Cement, 3,590-5,426, 12/30/19 Cmt'd w/150 sxs. TOC @ 3590' as p		MANICOD 5 000
5,364		IDDID 5 20		#		CBL of 6/22/2000. Production1, 5 1/2in, 4.950in, 3,162 f		MANCOS, 5,363
5,425		PBTD, 5,38				5,426 ftKB		
5,436	.	TD, 5,436, 12/30/195	7			Display Cement Fill, 5,426-5,436, 12/30/1957		
			**************************************		Page 1	M		Report Printed: 3/7/2011

# UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT FARMINGTON DISTRICT OFFICE

1235 LA PLATA HIGHWAY FARMINGTON, NEW MEXICO 87401

Attachment to notice of Intention to Abandon:

Re: Permanent Abandonment

Well: 2 Sunray E

### **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) 599-8907.
- 3. The following modifications to your plugging program are to be made:
- a) Spot a cement plug from 3778' 3678' to cover the Chacra top.
- b) Place the Fruitland plug from 2623' 2523'.
- c) Place the Kirtland/Ojo Alamo plug from 1802' 1583'.

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.