submitted in lieu of Form 3160-5

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

FEB 23 2012

		Farmington Field Office
Sundry Notices and Reports on Wells	A SOUTH AND A SOUTH A SOUTH AND A SOUTH A SOUT	Bureau of Land Managemer
	5.	Lease Number SF-078487-C
1. Type of Well GAS	6.	If Indian, All. or Tribe Name
2. Name of Operator	7.	Unit Agreement Name
BURLÍNGTON RESCURCES OIL & GAS COMPANY LP		
HESCORCES OIL & GAS COMPANY LP	<del></del> 8.	Well Name & Number
3. Address & Phone No. of Operator		Sunray 5
PO Box 4289, Farmington, NM 87499 (505) 326-9700	9.	API Well No.
A Legation of Well Footogo See T. D. M.		30-045-21172
4. Location of Well, Footage, Sec., T, R, M  Unit O (SWSE), 1090' FSL & 1460' FEL, Section 5, T29N, R8W, NMPM		Field and Pool Blanco Pictured Cliffs
	11.	County and State San Juan, NM
12. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPO	ORT, OTHER	DATA
Type of Submission Type of Action X Notice of Intent X Abandonment Change of Plans		Other –
Recompletion New Construction		
Subsequent Report Plugging Non-Routine Fra Casing Repair Water Shut off	icturing	
Final Abandonment Altering Casing Conversion to Inj	jection	
13. Describe Proposed or Completed Operations		
Burlington Resources requests permission to P&A the subject well per the attached proc schematics.	cedure, current	and proposed wellbore
Notify NMOCD 24 h prior to beginning operations		RCVD MAR 1'12 OIL CONS. DIV. DIST. 3
		VIJI. J
14. I hereby certify that the foregoing is true and correct.		1 1
Signed Taloya Crystal Tafoya Title: Staff	f Regulatory To	echnician Date <u>名</u>   23   1と
(This space for Federal or State Office use)		TED 2 0 2017
APPROVED BY <u>Original Signed: Stephen Mason</u> Title CONDITION OF APPROVAL, if any:		Date FEB 2 8 2012

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

February 13, 2012

## SUNRAY 5 (PC)

Blanco Pictured Cliffs 1090' FSL and 1460' FEL, Unit O Section 05, T29N, R08W San Juan, New Mexico / API 30-45-21172 Lat: 36° 44' 58.308" N/ Long: 107° 41' 35.988" 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, No_X_, UnknownSize, Length
	Packer: Yes, No_X_, UnknownType
	If this well has rods or a packer, then modify the work sequence in step #2 as appropriate.

1938

- 4. Plug #1 (PC perforation, Fruitland Coal, Kirtland, and Ojo Alamo tops: 3046' 1963'): RIH and set 2-7/8" CIBP at 3046'. Load casing and circulate well clean. Pressure test tubing to 1000 PSI. Pressure test casing to 800#. If casing does not test, then spot or tag subsequent plugs as appropriate. Mix 32 sxs Class B cement and spot above CIBP to isolate the PC perforations, Fruitland, Kirtland, and Ojo Alamo tops. POH.
- **5.** Plug #2 (Nacimiento top, 730' 630'): Perforate 3 squeeze holes at 730'. TIH and set CR at 680'. Establish a rate into the squeeze holes. Mix 40 sxs Class B cement, squeeze 35 sxs outside the casing and leave 5 sxs inside casing to cover Nacimiento top. TOH and LD tubing.
- 6. Plug #3 (8-5/8" surface casing shoe, 180' surface'): Perforate 3 squeeze holes at 180'. Establish circulation out bradenhead with water and circulate the BH annulus clean. Mix 73 sxs Class B cement and pump down 2.875" casing to circulate good cement out bradenhead. Shut in well and WOC.
- 7. 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 Schematte Well Names SUNRAY#5 Surface Legal Location Edit 3004521172 NMPM,005-029N-008VV NEW MEXICO round Ekuation (f) Original KB/RT Elevation (f) gjf,lange|Djk,lance|(f) 6,421.00 11000 6,432.00 Well Config. - Original Hole, 2/13/2012 10:03:58 AM "flKA" (MD) Frm Final 11 129 Surface Casing Cement, 11-130, 1/5/1973, Surface, 8 5/8in, 8.097in, 11 ftKB, Cemented with 90 sxs Class A + 1/4#/sk 130 CellFlake + 3% CC. Ciculated 7 bbls cement to 130 ftKB surface. 680 NACIMIENTO, 680 1,900 2,013 OJO ALAMO, 2,013 2,203 KIRTLAND, 2,203 PERF - PICTURED CLIFFS 3,096-3,138,4/15/1973 Hydraulic Fracture, 4/15/1973, Break down with 200 gals 15% 2,673 FRUITLAND, 2,673 HCL. Frac with 32,500 gals slickwater + 27000# 10/20 sand. FOAM-N2, 2/21/2003, Frac'd with PICTURED CLIFFS. 2% KCL WATER. 3,095 3,095 .19/1000 BIOCIDES. 52 GAL SLURRIED POLYMER. 30 GAL FOAMER. 3,096 22# OXIDIZER BREAKER. 21# ENCAPSOLATED BREAKER. 9 GAL SURFACTANT. 12 GAL BREAKER ACTIVATOR 85000 # 20/40 Arizona sand and 3,138 15,000# 12/20 Brady sand, 358 bbls fluid pumped and 411.8 MSCF N2 3,189 PBTD, 3,189 Fill, 3,189-3,199 3,198 Production Casing Cement, 1,900-3,199, TD, 3,199, 1/11/1973 1/11/1973, Cemented with 114 sxs 65/35 Class Production1, 27/8in, 2.441in, 11 C POZ w/10% Gel, followed with 50 sxs 3,199 ftKB, 3,199 ftKB Class C Neat. TOC estimated via Temp survey at 1900' MD. ReportPointeds 2013/2012

Proposed Schematic Conoco Hillios Well Names SUNRAY#5 Edit NMPM,005-029N-008VV BLANCO PICTURED CLI 3004521172 NEW MEXICO round Elevation (f) rkijnal i 6/RT Elevation (ft) og (Elange)DistanceTo (B≟TidologiHangenDistance/db 6.421.00 6,432.00 Well Config. - Original Hole, 1/1/2020. ftKB (MD) Sčhematic - Actual 11 Surface Casing Cement, 11-130, 1/5/1973, 129 Cemerited with 90 sxs Class A + 1/4#/sk CellFlake + 3% CC. Ciculated 7 bbls cement to Surface, 8 5/8in, 8.097in, 11 ftKB, surface 130 130 ftKB Plug #3, 11-180, 1/1/2020 Plug #3, 11-180, 1/1/2020, Mix 73 sxs Class B 180 SQUEEZE PERFS, 180, 1/1/2020 cement and pump down 2.875" casing to circulate good cement out bradenhead 630 680 NACIMIENTO, 680 Cement Retainer, 680-681 681 Plug #2, 630-730, 1/1/2020 Plug #2, 630-730, 1/1/2020, Mix 40 sxs Class B cement, squeeze 35 sxs outside the casing 730 SQUEEZE PERFS, 730, 1/1/2020 and leave 5 sxs inside casing to cover Nacimiento to 1,900 1,963 Bridge Plug - Permanent, 3,046-3,047 Hydraulic Fracture, 4/15/1973, 2,013 OJO ALAMO, 2,013 Break down with 200 gals 15% HCL. Frac with 32,500 gals 2,203 KIRTLAND, 2,203 slickwater + 27000#10/20 sand. FOAM-N2, 2/21/2003, Frac'd with 2% KCL WATER. 2,673 FRUITLAND, 2,673 .19/1000 BIOCIDES. Plug #1, 1,963-3,046, 1/1/2020, Mix 32 sxs 52 GAL SLURRIED POLYMER. Class B cement and spot above CIBP to isolate 30 GAL FOAMER. 3,046 the PC perforations, Fruitland, Kirtland, and Ojo 22# OXIDIZER BREAKER. 21# ENCAPSOLATED BREAKER. Alamo tops 3,047 9 GAL-SURFACTANT. 12 GAL BREAKER ACTIVATOR PICTURED CLIFFS, 85000 # 20/40 Arizona sand and 3,095 15,000# 12/20 Brady sand. 358 3,095 bbls fluid pumped and 411.8 MSCF 3,098 PERF - PICTURED CLIFFS. 3,096-3,138,4/15/1973 3,138 3,189 PBTD, 3,189 Fill, 3,189-3,199 3,198 Production Casing Cement, 1,900-3,199, TD, 3,199, 1M1M973 1/11/1973, Cemented with 114 sxs 65/35 Class Production1, 27/8in, 2.441in, 11 C POZ w/10% Gel, followed with 50 sxs 3,199 "ftKB, 3,199 ftKB Class C Neat. TOC estimated via Temp survey at 1900' MD.

## 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: 5 Sunray

## **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) Bring the top of the Pictured Cliffs/Fruitland/Kirtland/Ojo Alamo plug to 1938'.

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.