

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

DEC 02 2009

Bureau of Land Management  
Farmington Field Office

## Sundry Notices and Reports on Wells

1. **Type of Well**  
GAS

2. **Name of Operator**  
**BURLINGTON**  
RESOURCES OIL & GAS COMPANY LP

3. **Address & Phone No. of Operator**  
PO Box 4289, Farmington, NM 87499 (505) 326-9700

4. **Location of Well, Footage, Sec., T, R, M**  
Surf: Unit H (SENE), 1855' FNL & 1060' FEL, Section 1, T29N, R10W, NMPM

5. **Lease Number**  
SF - 080751-A

6. **If Indian, All. or Tribe Name**

7. **Unit Agreement Name**

8. **Well Name & Number**  
Sunray F 3N

9. **API Well No.**  
30-045-34951

10. **Field and Pool**  
Blanco MV

11. **County and State**  
San Juan Co., NM

**12. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OTHER DATA**

Type of Submission	Type of Action	
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment	<input type="checkbox"/> Change of Plans
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Plugging	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Water Shut off
	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Conversion to Injection

☒ Other -- Sidetrack

**RCVD DEC 9'09**  
**OIL CONS. DIV.**  
**DIST. 3**

**13. Describe Proposed or Completed Operations**

Notified BLM (Troy Salyers) & OCD (Charlie Perrin) on 11/23/2009 - 11/24/2009 of request to sidetrack subject well. While under reaming production hole encountered water and lost 3jts down hole. Top of fish @ 4603' & bottom of fish @ 6920' w/7" shoe @ 2629'. Request to sidetrack, set plug @ 2587'. TD @ 5887'. Verbal approval received by BLM (Troy Salyers) & OCD (Charlie Perrin) to continue w/sidetrack on 11/24/2009. Sidetrack Procedure attached.

**14. I hereby certify that the foregoing is true and correct.**

Signed Jamie Goodwin Jamie Goodwin Title Regulatory Technician Date 12/1/09

(This space for Federal or State Office use)

APPROVED BY Troy L Salyers Title Petroleum Engineer Date 12/7/2009

CONDITION OF APPROVAL, if any:

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

Hold C104  
for Directional Survey  
and "As Drilled" plat

**NMOCD**  
B

pc

Well Name: **Sunray F #3N**

Well Name: **Sunray F #3N**

**Type: Vertical**

Formation:	Mesa Verde / Basin Dakota		
Location:	T - 29 N	R -10 W	Sec 1
Footage:	1855' FNL & 1060' FEL		
County:	San Juan	State:	New Mexico
Rig:	AWS 711	API #:	30-045-34951
Signed APD:	04/21/09	Lease#:	SF-080751-A
GL:	5,857'	<u>BLM Phone #: 599-8907</u>	
KB:	5,872'	DAYS:	14
TD:	6,930'		

AFE# WAN.CDR.8307  
Network #: 10249626

**In case of Major Emergency Call 911**

**Give the following information to Operator:**

Well Name: Sunray F #3N

Latitude: 36° 45 min 22 478' N (NAD 1983)

County: San Juan

**Longitude:** 107° 49 min 51.208' W (NAD 1983)

State. New Mexico

From HWY 64 & CR 4599 in Blanco, NM: Travel **NORTHERLY** on CR 4599 for 2.2 mi.; Turn **LEFT (NORTHWESTERLY)** up Vaca Canyon 0.1 mi. Stay **LEFT** and continue through Vaca Canyon for 1.0 mi. Turn **LEFT (SOUTHWESTERLY)** on existing access road for 0.6 mi. Turn **LEFT (SOUTHEASTERLY)** for 0.6 mi to proposed well site.

## SIDETRACK PROCEDURE

Geology		PLUG BACK AND SIDETRACK OPERATION	
1138'	Ojo Alamo	1 - Make a bit and scraper run to casing shoe 2 - RIH with 7" 23 O# cement retainer to 2587-ft (5-ft above float collar) 7" Float Shoe @ 2629-ft POOH and R/D wireline equipment after running retainer 3 - TIH w / Baker stinger on 4" drill pipe to retainer. Load hole with fresh water. Test casing and retainer with 500 PSI 4 - Sting into retainer and cement open hole with 75 bbls of Type III cmt w/ 1% CaCl <sub>2</sub> , 0.25 pps Celco-Flake and 0.2% FL-52 @ 14.6 ppg Tail. Displace to retainer, string out and circulate hole clean. TOOH	
1307'	Kirtland	5 - P/U whipstock assembly (Baker one-trip whipstock assembly as follows: whipstock/anchor assembly, starting mill, string mill, bit sub, joint of 2-7/8" drill pipe, x-over sub, UBHO, x-over sub and 10 drill collars); TIH slowly as per Baker running procedure to within 5-15' of retainer. Double check measurements. Finish TIH to retainer. Orient whipstock facing NE any where from 30 to 45 degrees azimuth. Orient with Gyro Survey. 6 - Set weight down slowly to set slips and shear bolt. After bolt shears set down recommended weight on the whipstock to push whipstock kick pad against casing wall. This is repeated twice to ensure positioning. Mark drill pipe at 2000 lbs above neutral weight, this is starting point for milling window	
1857'	Fruitland	7 - With starter mill, mill with air/mist to ensure milling of lug and quality window (60-70 RPM, 2-5K WOB and 1000 PSI). Pump sweeps as needed to clean hole 8 - TOOH and L/D mill assembly	
2401'	Pic. Cliffs	9 - P/U 6-1/4" roller cone bit, near bit stabilizer (1/8" under gauge), & 10 drill collar. Drill with air/mist for 300-500 feet, 45-60 RPM, 20-25K WOB. Survey every 100-ft with gyro (do not use Totco) & build angle to 5-6 degrees inclination. Monitor displacement with Wellview to achieve a minimum of 25 feet displacement from previous wellbore (maximum 45-ft) 10 - TOOH and L/D 6-1/4" roller cone bit	
2515'	Lewis	11 - P/U air Hammer and re-drill production interval to original TD at 6930-ft. This time have Mud Loggers on location 100-ft above Gallup to call TD 12 - Once we start drilling ahead with hammer. Holes condition might behave the same. Hole might get wet & fractures might be encountered. Be aware	
Retainer		Very Important Remarks	
2587'	Retainer	1.- Make sure whipstock is oriented to the North East of the section, to target zones not in production.	
2629'	7" Int. TD	2 - Retainer will be set slightly above the 7" float collar 3 - Whipstock will be set on the top 7" csg. joint above the float collar and retainer. 5-ft to 15-ft above it.	
3137'	Huerfano Bentonite	4.- Fish length is 2317-ft. From 4603-ft to bottom @ 6920-ft. Fish had dropped to 565-ft when casing parted 5 - Intermediate casing primary cement job was done in a single stage & was successful	
3379'	Chacra	6 - Cement plug through retainer has been calculated to be Open Hole Volume from Top of Fish without excess 7 - After free point is run. POOH & displace casing volume with fresh water or clean mud, to reduce LCM content & verify full returns.	
4603'	Top of Fish	8.- Call BJ services for Cement Plug Job through retainer. 9 - Call Baker Oil Tools for Retainer, Whipstock, Milling & Scrapping tools	
4629'	Point Lookout		
5068'	Mancos Shale		
6920'	Bottom Fish		
5887'	Gallup		
6200'	Wet to bottom		
6629'	Greenhorn		
6930'	TD		