UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

1a.	DRILL	5. Lease Number NM-03758 Unit Reporting Number
	RECEIVED 070 FARMINGTON N	
ib.	l ype of well	6. If Indian, All. or Tribe
	GAS GAS	R11/73
2.	Operator BURLINGTON 14538 PESCURCES Oil & Gas Company JAN 2	7. Unit Agreement Name
	Address & Phone No. of Operator	S. DW. 00 8. Farm or Lease Name
3.	Address & Phone No. of Operator PO Box 4289, Farmington, NM 874995	8. Farm or Lease Name Sunray C 7565 9. Well Number
	(505) 326-9700	M.C. 200
4.	Location of Well	10. Field, Pool, Wildcat
	Unit A (NENE), 940' FNL & 985' FEL,	Basin FC / N. Azec FS / Aztec E
	Latitude 36° 50.7256'N	11. Sec., Twn, Rge, Mer. (NMPM) A/, Sec. 1, T30N, R11W
	Longitude 107° 56.1483'W	<i>/</i> '
	_	API # 30-045- 33508
14.	Distance in Miles from Nearest Town	12. County 13. State San Juan NM
15.	Distance from Proposed Location to Nearest Propert 940'	y or Lease Line
16.	Acres in Lease	17. Acres Assigned to Well FC - 322.40 N/2; PC&FS-161.49 N
18.	Distance from Proposed Location to Nearest Well, D Twinned w/Sundry C #1	rlg, Compl, or Applied for on this Lease
19.	Proposed Depth 2792'	20. Rotary or Cable Tools Rotary
21.	Elevations (DF, FT, GR, Etc.) 5976' GL	22. Approx. Date Work will Start
23.	Proposed Casing and Cementing Program See Operations Plan attached	
24.	Authorized by: Authorized by: Sr. Regulatory Specialis	
PERMI	IT NO.	APPROVAL DATE

NOTE: This format is issued in lieu of U.S. BLM Form 3160-3

Title 18 U.S.C. Section 1001, makes 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 presentations as to any matter within its jurisdiction.

Not an HPA FC Well

This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4

DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS".

MMOCD

DISTRICT I 1625 N. French Dr., Hobbs, N.M. 88240

State of New Mexico Energy, Minerals & Natural Resources Department

Form C-102 Revised August 15, 2000

DISTRICT II 611 South First, Artesia, N.M. 88210

OIL CONSERVATION DIVISION 9 AM 8 30

RECEIVED

985

EAST

Submit to Appropriate District Office State Lease — 4 Copies Fee Lease — 3 Copies

1000 Rio Brazos Rd., Aztec, N.M. 87410

A

Santa Fe. NM 87505

☐ AMENDED REPORT

SAN JUAN

DISTRICT IV 2040 South Pacheco, Santa Fe, NM 87505

30-N

11-W

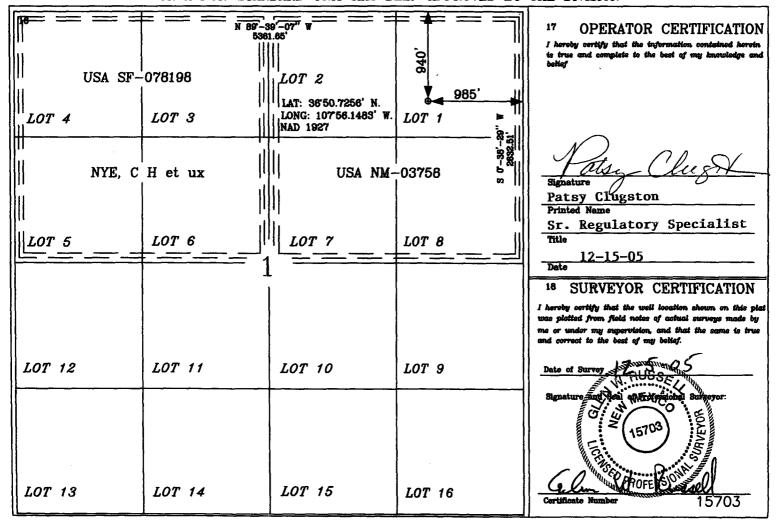
WELL LOCATION AND ACREAGE DEDICATION PLAT

	./											
¹ API 30-045-	Number 335	XOB	7162	Pool Code 712	71280 40 / B	asin	Fruitland	*Pool i Coal /	Name A	ZTEC PC tec Fru	itland	Sands
Property C					⁶ Proper	y Name)				Well Numb	er
7565	~				SUNRAY	C			·		100	_
OGRID No	> .				*Operate	or Name)				^e Elevation	1
14538	1		BURL	ngton ri	ESOURCES O	L ANI	GAS COMPA	NY LP			5976'	_
					10 Surfac	e Loc	ation				<u> </u>	
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	No	rth/South line	Feet from	the Eas	t/West line	County	,

NORTH

	Bottom Hole Location if Different From Surface									
	UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
	Á							_		
	Dedicated Acres	3		18 Joint or	infill	¹⁴ Consolidation C	ode	¹⁶ Order No.		
PC	&FS - 161.	49 NE/	4							
	FC - 322.	340 N/	2							

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



Submit 3 Copies To Appropriate District Office	State of New	Mexico		Form C-103
District I	Energy, Minerals and N	Vatural Resources		May 27, 2004
1625 N. French Dr., Hobbs, NM 88240			WELL API NO.	-045- 3350B
<u>District II</u> 1301 W. Grand Ave., Artesia, NM 88210	OIL CONSERVATI	ON DIVISION	5. Indicate Type of Lease	-043- 0 0 0
District III	1220 South St. I		STATE	FEE 🔲
1000 Rio Brazos Rd., Aztec, NM 87410	Santa Fe, NM	1 87505	6. State Oil & Gas Lease N	lo.
<u>District IV</u> 1220 S. St. Francis Dr., Santa Fe, NM 8750	5		Federal Lease	NIM 03759
	ES AND REPORTS ON WELLS	<u> </u>	7. Lease Name or Unit Agre	
(DO NOT USE THIS FORM FOR PROPOSALS				
DIFFERENT RESERVOIR. USE "APPLICATION PROPOSALS.)	N FOR PERMIT" (FORM C-101) FOR S	BUCH	Sunr	ay C
1. Type of Well:			8. Well Number	
Oil Well Gas Well X	Other		#10	00
2. Name of Operator	URCES OIL & GAS COMPAN	מוע	9. OGRID Number	538
3. Address of Operator	DROES OIL & GAS COMI AIX	1 <u>L1</u>	10. Pool name or Wildcat	750
	EET, FARMINGTON, NM 8740	2	Basin FC/ Azt	ec PC/WC FS
4. Well Location Unit Letter A: 9	40' feet from the No	rth line and	985' feet from the	East line
Section 1	Township 30N	Range 11W	NMPM Cou	
	Elevation (Show whether DR, RK 5976			
Pit or Below-grade Tank Application	or Closure	UK		>20110
Pit type New Drill Depth to Groundwa	tter <100 Distance from near	est fresh water well	>1000' Distance from near	est surface water >1000
Pit Liner Thickness: 12	mil Below-Grade Tank:	Volume	bbls; Construction Mate	rial
NOTICE OF IN PERFORM REMEDIAL WORK TEMPORARILY ABANDON PULL OR ALTER CASING OTHER: New 13. Describe proposed or complete	PLUG AND ABANDON CHANGE PLANS MULTIPLE COMPL Drill d operations. (Clearly state all p SEE RULE 1103. For Multiple enstruct a new drilling pit and an enew drilling pit will be a lined p er 11, 2004 on file at the NMOC sk ranking criteria. Burlington	REMEDIAL COMMENC CASING/C X OTHER: ertinent details, and g e Completions: Attace associated vent/flare poit as detailed in Burling D office. A portion of Resources anticipates	SUBSEQUENT REP WORK DE DRILLING OPNS. EMENT JOB ive pertinent dates, including h wellbore diagram of proposition. Based on Burlington's in ington's Revised Drilling / Wof the vent/flare pit will be des	ALTERING CASING PAND A sestimated date sed completion terpretation of the orkover Pit Construction / signed to manage fluids and
I hereby certify that the information abo				
grade tank has been/will be constructed or clos				
SIGNATURE MANUAL	MMM/ TIT	LE Regu	latory Associate II	DATE1/4/2006
Type or print name Philana For State Use Only	Thompson E-mail ad		@br-inc.com Telephone N	1A41 O O COO
APPPROVED BY Conditions of Approval (if any):	ffr TIT	TLE	AS INSPECTOR, DIST.	_ DATE

MOTE: VECTOR SURVEYS IS NOT LIABLE FOR UNDERGROUND VILLTHES OR PRORKING DAYS PRIOR TO CONSTRUCTION.
CONTRACTOR SHOVED CALL ONE-CALL FOR LOCATION OF ANY MARKED OR UNMARKED BURIED

CONTRACTOR SURVEYS IS NOT LIABLE FOR UNDERGROUND VILLENST TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION.

BURLINGTON RESOURCES OIL & GAS COMPANY LP 985' FEL JUAN COUNTY, NM **NOVEMBER 29, 2005** 305' X 340' = 2.38 ACRES **110** MNN ST W CH DEHI EXISTING ACCESS 50' CONSTRUCTION ZONE **8**, ∓2 Wellhead to side 110, ,09 GROUND ELEVATION: 5976' SUNRAY C 100, 0- N, R-11-W, I 12, Deep Wellhead to bac 205' X 240 DIKE 28 28 10, Deep (B) (-5 d G REAR 110, SECTION 1 EXISTING ACCESS EDGE OF EXISTING PAD

LATITUDE: 36' 50.7256' N LONGITUDE: 107' 56.1483' W NAD27

RESERVE PIT DIKE. TO BE 8' ABOVE DEEP SIDE (OVERFLOW - 3' WIDE AND 1' ABOVE SHALLOW SIDE).

BURLINGTON RESOURCES OIL & GAS COMPANY LP SUNRAY C 100, 940' FNL & 985' FEL SECTION 1, T-30- N, R-11-W, NMPM, SAN JUAN COUNTY, NM GROUND ELEVATION: 5976', DATE: NOVEMBER 29, 2005

ELEV. A'-A	5
5995	
5985	
5975	
5965	
ELEV. B'-B	って
5820	
5810	
COas	
2790	
ELEV. C'-C	5
.5820	
5810	
2800	
5790	

CONTRACTOR SHOULD CALL ONE-CALL FOR LOCATION OF ANY MARKED OR UNMARKED BURIED PIPLINES OR CABLES ON WELL PAD AND OR ACCESS ROAD AT LEAST TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION. NOTE: VECTOR SURVEYS IS NOT LIABLE FOR UNDERGROUND UTILITIES OR PIPELINES.

OPERATIONS PLAN

Well Name:

Sunray C #100

Location:

Unit A (NENE), 940' FNL & 985' FEL, Section 1, T30N, R11W

San Juan County, New Mexico

Latitude 36° 50.7256'N Longitude 107° 56.1483' W

Formation:

Basin Fruitland Coal / Fruitland Sands & Pictured Cliffs

Elevation:

5976' GR

Formation:	Тор	Bottom	Contents
Ojo Alamo	1249'	1288'	aquifer
Kirtland	1288'	2228'	gas
T/Fruitland	2228'		gas
Pictured Cliffs	2592'		
Total Depth	2792'		

Logging Program: None

Mud Program:

<u>Interval</u>	<u>Type</u>	<u>Weight</u>	Vis. Fluid Loss
0- 120'	Spud/Air/Air Mist	8.4-8.9	40-50 no control
120-2792'	Non-dispersed	8.4-9.5	30-60 no control

Casing Program:

<u>Hole Size</u>	<u>Depth Interval</u>	<u>Csg.Size</u>	<u>Wt.</u>	<u>Grade</u>
8 3 "	0 - 120'	7"	20.0#	J-55
6 4 "	0 - 2792'	4 1/2"	10.5#	J/K-55

Tubing Program:

0 - 2792'	2 3/8"	4.7#	J-55

Float Equipment: 7" surface casing - guide shoe. Centralizers will be run in accordance with Onshore Order #2.

4 1/2" production casing - float shoe and float collar on bottom. Centralizers run every third joint above shoe to the base of the Ojo Alamo @ 1288'. Two turbolizing type centralizers - one below and one into the base of the Ojo Alamo @ 1288'. Standard centralizers thereafter every fourth joint up to the base of the surface pipe.

Wellhead Equipment: $7" \times 4 \frac{1}{2}" \times 2 \frac{3}{8}" \times 11" 2000$ psi xmas tree assembly.

Page 2 Sunray C 100

Cementing:

7" surface casing Pre-Set Drilled - Cement with Type I, II cement with 20% flyash mixed at 14.5 ppg, 128 cu ft per sack yield. (Bring cement to surface). Wait on cement for 24 hours for pre-set holes before pressure testing or drilling out from under surface.

7" surface casing - Cement with 42 sx Type III cement with 0.25 pps Celloflake, 3% CaCl. (54 cu ft of slurry @ 1.28 yield). 200% excess, bring cement to surface. Wait on cement for 8 hrs for conventionally set holes before pressure testing or drilling out from under surface.

WOC until cement establishes 250 psi compressive strength prior to NU of BOPE.

4 1/2" production casing - Cement with 162 sx (345 cu ft of slurry @ 2.13 yield) Premium Lite with 3% calcium chloride, 5 pps LCM-1, and 1/4#/sack celloflake, 0.4% FL-52, & 0.4% SMS. Tail with 90 sacks (124 cu ft of slurry @ 1.38 yield) Type III cmt with 1% calcium chloride, 1/4#/sack Celloflake and 0.2% FL-52. Total of 469 cf - 50% excess to circulate to surface.

BOP and tests:

Surface to TD - 11" 2000 psi (minimum double gate BOP stack (Reference Figure #1 and #2). Prior to drilling out surface casing, test rams to 600 psi/30 min.

Completion - 6" 2000 psi (minimum) double gate BOP stack (Reference Figure #2). Prior to completion operations, test rams and casing to 1500 psi/30 min.

From surface to TD - choke manifold (Reference Figure #3).

Pipe rams will be actuated at least once each day and blind rams actuated once each trip to test proper functioning. An upper kelly cock valve with handle and drill string safety valves to fit each drill string will be maintained and available on the rig floor.

Additional information:

- * The Fruitland Coal, Fruitland Sands and Pictured formations will be completed.
- * Anticipated pore pressure for the Fruitland Coal is 600 700 psi.
- * This gas is dedicated.
- * The north half of the section is dedicated to the FC, and the NE/4 of the section is dedicated to the FS & PC for this well.
- * New casing will be utilized.
- * Pipe movement (either rotation or reciprocation) will be done if

hole conditions permit.

Drilling Engineer

Note -

BURLINGTON RESOURCES

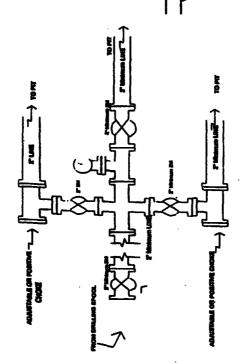
Completton/Workover Rig BOP Configuration 2,000 psi System

BURLINGTON RESOURCES

Drilling Rig Chote Manifold Configu 2000 psi System

Burilington Resources

2000 psi System Orilling Rig



20.00

PRILATE LINE

re name. A stripping head to be installed on the top o BOP. All BOP equipment is 2000 pel worting Minimum BOP Installation for all CompletionA Operations. 7-1/16" bore, 2000 pel mini sure double gate BOP to be equipp Pigure #2

Choke menticki tnessitetion from Surface Cestry Point to Total Depth. 2,000pal working preseure

quipment with two chokes.

Figure #3

4-20-01

Figure #1

70-02-9