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

Type of Work	5. Lease Number
DRILL	0 NMSF-080750
	Unit Reporting Number
Type of Well	6. If Indian, All. or Tribe
GAS	777
Operator	7. Unit Agreement Name
BURLINGTON AS AU	10
RESOURCES Oil & Gas Company	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
Address & Phone No. of Operator	8>Farm or Lease Name
PO Box 4289, Farmington, NM 87499	Sunray F
	9. Well Number
(505) 326-9700	#1M
Location of Well	10. Field, Pool, Wildcat
1745' FSL, 1420' FEL surface hole	Blanco Mesaverde/Basin Dako
, 660' FSL, 660' FEL bottom hole	11. Sec., Twn, Rge, Mer. (NMPM)
Latitude 36° 46.82677'N, Longitude 107°	
Latitude 36° 46.71294'N, Longitude 107°	50.94478'W bottom API# 30-045- 30
Distance in Miles from Nearest Town	12. County 13. State
9.8 miles to intersection Hwy 550 & 173,	
Distance from Proposed Location to Nearest Property o	r Lease Line
Acres in Lease	17. Acres Assigned to Well
	E/2 317.22
Distance from Proposed Location to Nearest Well, Drlg,	Compl. or Applied for on this Lease
120'	Compi, of Applied for on time Lease
Proposed Depth	20. Rotary or Cable Tools
7656 <b>′</b>	Rotary
Elevations (DF, FT, GR, Etc.)	22. Approx. Date Work will Start
Elevations (DF, FT, GR, Etc.) 6299′ GR	22. Approx. Date Work will Start
6299' GR	22. Approx. Date Work will Start
Proposed Casing and Cementing Program	22. Approx. Date Work will Start
6299' GR	22. Approx. Date Work will Start
Proposed Casing and Cementing Program	22. Approx. Date Work will Start
Proposed Casing and Cementing Program See Operations Plan attached	22. Approx. Date Work will Start  5/23/05
Proposed Casing and Cementing Program See Operations Plan attached  Authorized by:	5/23/05
Proposed Casing and Cementing Program See Operations Plan attached	5/23/05
Proposed Casing and Cementing Program See Operations Plan attached  Authorized by:  Regulatory/Compliance Specia	5/23/05 Date
Proposed Casing and Cementing Program See Operations Plan attached  Authorized by: Regulatory/Compliance Special	Date ROVAL DATE
Proposed Casing and Cementing Program See Operations Plan attached  Authorized by:  Regulatory/Compliance Specia	Date ROVAL 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.

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

ADISTRICT II 811 South First, Artesia, N.M. 88210

DISTRICT III 1000 Rio Brazos Rd., Axtec, N.M. 87410

DISTRICT IV 2040 South Pacheco, Santa Fe, NM 87505 OIL CONSERVATION DIVISION 2040 South Pacheco Santa Fe, NM 87505

Submit to Appropriate District Office

State Lease - 4 Copies Fee Lease - 3 Copies

☐ AMENDED REPORT

## WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number	<i>c</i> ) - °	<sup>2</sup> Pool Code	<sup>8</sup> Pool Name	
30-045-30	1830	72319/71599	Blanco Mesaverde/Basin Dakota	
<sup>4</sup> Property Code			Property Name	• Well Number
7568		S	SUNRAY F	1M
OGRID No.	<del> </del>		Operator Name	• Elevation
14538		BURLINGTON RES	DURCES OIL AND GAS, INC.	6299'

<sup>10</sup> Surface Location

UL or lot no.	Section 26	Township 30-N	Range 10W	Lot idn	Feet from the 1745'	North/South line SOUTH	Feet from the 1420'	EAST	County SAN JUAN
<sup>11</sup> Bottom Hole Location If Different From Surface									
UL or lot no.	Section	Township	Range	Lot ldn	Feet from the	North/South line	Feet from the	East/West line	County

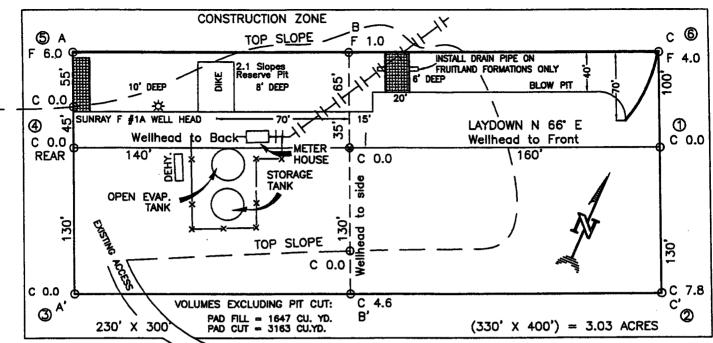
26 30-N 10-W SOUTH **EAST** SAN JUAN 660 660 Dedicated Acres 19 Joint or Infill M Consolidation Code 15 Order No. E/317.22

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

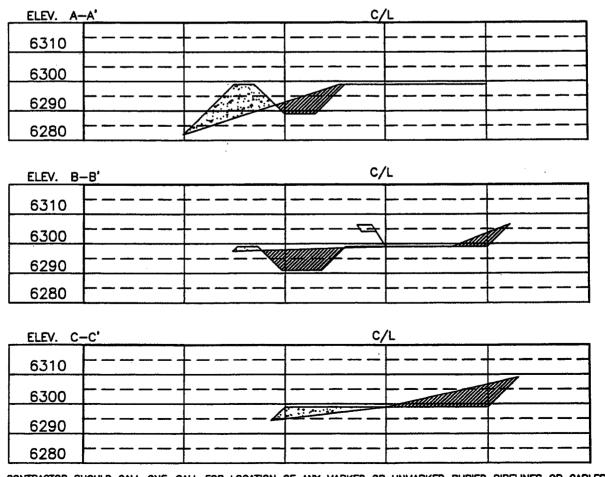
	ON IL HON DIM	NDARD UNIT HAS E	/DDI\ 10 1 1.0 \ DD D 1	
LOT 4 GD	LOT 3	LOT 2	LOT 1	17 OPERATOR CERTIFICATION  I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief
LOT 5	AUG 2005	LOT 7	LOT 8  FD 3 1/4" B.L.M. BC 1967	Signature  Signature  Ioni Clark  Printed Name  Regulatory Specialist  Title
LOT 12	LOT 11	LAT: 36'48.8' N. LONG: 107'51.0' W.   LOT 10	LOT 9  115'  1420'  NMSF-080750	Date  18 SURVEYOR CERTIFICATION  I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of the best  ON ME.  Date of Surveys
LOT 13	LOT 14 FD 3 1/4" B.L.M. BC 1967	LOT 15  N 89-58-42 W 2610.16' (M)	NMSF-080750 — 61-15   100   1	Senature and July of Property of Surveyor:  8894  Certificate Sumber

Submit 3 Copies To Appropriate District Office	State of New	Mexico		Form C-103
District I	Energy, Minerals and I	Natural Resources		May 27, 2004
1625 N. French Dr., Hobbs, NM 88240	<b></b>		WELL API NO.	
<u>District II</u> 1301 W. Grand Ave., Artesia, NM 88210	OIL CONSERVAT	ION DIVISION	5. Indicate Type of L	30-045-
District III	1220 South St. 1		STATE	T FEE $\square$
1000 Rio Brazos Rd., Aztec, NM 87410	Santa Fe, NA		6. State Oil & Gas Lo	
District IV	•		NI NI	MSF-080750
1220 S. St. Francis Dr., Santa Fe, NM 87	505 CES AND REPORTS ON WELL	9	7. Lease Name or Un	it Agreement Name
(DO NOT USE THIS FORM FOR PROPOSAL			7. Lease Name of On	it Agreement Name
DIFFERENT RESERVOIR. USE "APPLICAT	TON FOR PERMIT" (FORM C-101) FOR	SUCH		Sunray F
PROPOSALS.)  1. Type of Well:			8. Well Number	
Oil Well Gas Well X	Other		8. Well Indiffee	1M
2. Name of Operator			9. OGRID Number	
	OURCES OIL & GAS COMPAN	Y LP	10 D 1 177	14538
3. Address of Operator 3401 F. 30TH ST	REET, FARMINGTON, NM 874	02	10. Pool name or Wil	saverde/Basin Dakota
4. Well Location	10101,11110111101-1	<u> </u>	Didate IVAC	saverue/Basm Dakota
Unit Letter :		uth line and	feet from	
Section 26	Township 30N . Elevation (Show whether DR, Ra	Range 10W	NMPM	County San Juan
	Elevation (Show whether 1511, 10			
Pit or Below-grade Tank Application	X or Closure			
Pit type New Drill Depth to Ground	water Distance from near	rest fresh water well	>1000' Distance fro	m nearest surface water >1000'
Pit Liner Thickness: na	mil Below-Grade Tank:	Volume	bbls; Construction	n Material
12. Check	Appropriate Box to Indica	ite Nature of Noti	ice, Report or Oth	ier Data
	NTENTION TO:		SUBSEQUENT	
PERFORM REMEDIAL WORK	PLUG AND ABANDON	REMEDIAL		ALTERING CASING
TEMPORARILY ABANDON	CHANGE PLANS		CE DRILLING OPNS.	P AND A
PULL OR ALTER CASING	MULTIPLE COMPL	CASING/C	EMENT JOB	
OTHER: New	Drill Pit	X OTHER:		
13. Describe proposed or comple				
	k). SEE RULE 1103. For Multip	le Completions: Attac	h wellbore diagram of	proposed completion
or recompletion.				
				-
Burlington Resources proposes to	construct a new drilling nit and an	associated vent/flare n	nit Based on Burlingto	m's interpretation of the
Ecosphere's risk ranking criteria, the	<del>-</del> -	-		-
Pit Construction / Operation Proce		<del>-</del>	_	_
manage fluids, and that portion wil	l be unlined, as per the risk ranking	g criteria. Burlington l	Resources anticipates c	closing these pits according to the
Drilling / Workover Pit Closure Pr	ocedure dated August 2, 2004 on 1	file that the NMOCD of	office.	
			•	
		<u>.</u>		
I hereby certify that the information a grade tank has been/will be constructed or cl				
grade tank has been and be constructed of Ci	· A A A A A	, a general bettitt A	I or an (accinen) aiternati	TO OCD-approveu pian
SIGNATURE TOW	( lank II	ΓLE <b>Reg</b> u	ulatory Specialist	DATE 3/8/2005
For State Use Only	oni Clark E-mail ad	dress: jclark@b	or-inc.com Teleph	one No. 505-326-9700
/ _	oni Clark E-mail ad			A 1
APPPROVED BY			or-inc.com Teleph & GAS INSPECTOR,	A 1

# BURLINGTON RESOURCES OIL & GAS, INC. SUNRAY F #1M, 1745' FSL 1420' FEL SECTION 26, T-30-N, R-10-W, N.M.P.M., SAN JUAN COUNTY, NEW MEXICO GROUND ELEVATION: 6299', DATE: JUNE 20, 2001



RESERVE PIT DIKE: TO BE 8' ABOVE DEEP SIDE (OVERFLOW - 3' WIDE AND 1' ABOVE SHALLOW SIDE).
BLOW PIT: OVERFLOW PIPE HALFWAY BETWEEN TOP AND BOTTOM AND TO EXTEND OVER PLASTIC LINER AND INTO BLOW PIT.



NOTE: CONTRACTOR SHOULD CALL ONE—CALL FOR LOCATION OF ANY MARKED OR UNMARKED BURIED PIPELINES OR CABLES ON WELL PAD AND OR ACCESS ROAD AT LEAST TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION.

DRAWN BY: B.S.

ROW#: BR224

CADFILE: BR224CF8

DATE: 7/02/01

Surveying and Oil Field Services

BS

8

MOVED WELL

REVISED: 7/20/01

#### OPERATIONS PLAN

Well Name: Sunray F #1M

Location: Surface - 1745'FSL, 1420' FEL, Section 26, T-30-N, R-10-W

Bottom Hole - 660' FSL, 660' FEL, Section 26, T-30-N, R-10-W

San Juan County, New Mexico

Surface -Latitude 36° 46.82677'N, Longitude 107° 51.02588'W

Bottom Hole - Latitude 36° 46.71294'N, Longitude 107° 50.94478'W

Formation: Blanco Mesaverde/Basin Dakota

Elevation: 6299'GL

		TMD	TVD	TMD
Formation Tops:	Top	Top	Bottom	Contents
Surface	San Jose		1581'	
Ojo Alamo	1581 <b>'</b>	1588'	1726 <b>′</b>	aquifer
Kirtland	1726'	1737'	2303 <b>′</b>	gas
Fruitland	2303 <b>′</b>	2326 <b>′</b>	2861 <b>'</b>	
Pictured Cliffs	2861'	2897 <b>'</b>	3006 <b>′</b>	gas
Lewis	3006 <b>′</b>	3045'	3591 <b>′</b>	gas
Huerfanito Bentonite	3591 <b>′</b>	3643 <b>′</b>	3851 <b>′</b>	gas
Chacra	3851 <b>′</b>	3909'	4481'	gas
Massive Cliff House	4481'	4553 <b>′</b>	4611'	
Menefee	4611 <b>′</b>	4686′	5126 <b>'</b>	gas
Point Lookout	5126'	5212 <b>'</b>	5541 <b>′</b>	gas
Mancos	5541 <b>′</b>	5637 <b>′</b>	6371 <b>′</b>	gas
Gallup	6371 <b>′</b>	6485 <b>′</b>	7116 <b>′</b>	gas
Greenhorn	7116'	7247'	7166 <b>′</b>	as
Graneros	7166'	7298'	7221 <b>′</b>	gas
Two Wells	7221 <b>′</b>	7354′	7311 <b>′</b>	gas
Paguate	7311 <b>′</b>	7446 <b>′</b>	7366 <b>′</b>	
Cubero	7366 <b>′</b>	7503 <b>′</b>	7396 <b>′</b>	
Oak Canyon	7396 <b>′</b>	7533 <b>′</b>		
TD	7406'	7543'		

#### Logging Program:

Cased Hole - CBL-GR-TD to surface

#### Mud Program:

Interval	Туре	Weight	Vis.	Fluid Loss
0- 500'	Spud	8.4-9.0	40-50	no control
500- 7406 <b>′</b>	Non-dispersed	8.4-9.0	30-60	less than 8

### Drilling:

#### Surface Hole:

Drill to surface casing point of 500' and set 9 5/8" casing.

#### Production Hole:

Mud drill to kick off point of 990'. At this point the well will be directionally drilled by building 3.0 degrees per 100' with an azimuth of 144.7 degrees. The end of the build will be at a TVD of 1388', a TMD of 1391', hd of 42' and an angle of 12 degrees. This angle and azimuth will be held to a total depth of 7406' TVD and 7543' MD

#### *Materials:*

Ca	sing progra	<u>m:</u>			
Hole Size	<u>Inter</u>	<u>val</u>	<u>Size</u>	Weight	<u>Vis.</u>
	TMD	TVD			
12 ¼" 8 3/4"	500 <b>′</b> 7656 <b>′</b>	500 <b>′</b> 7406 <b>′</b>	9 5/8" 4 ½"	32.3# 10.5/11.6#	H-40 J-55/L-80

#### .Operations Plan - Sunray F #1M

Page Two

Tub.	ing Progra	<u>≆m:</u>			
Hole Size Interval		cval	<u>Size</u>	Weight	<u>Vis.</u>
	TMD	TVD			
2 3/8"	o <b>'</b>	7406 <b>′</b>	2 3/8"	4.7#	J-55

#### Wellhead Equipment

9  $5/8" \times 4 \frac{1}{2}" \times 2 \frac{3}{8}" - 11"$  (2000 psi) wellhead assembly

#### Cementing:

9 5/8" surface casing conventionally drilled Cement with 367 sacks Type III cement with 0.25 pps Celloflake, 3% calcium chloride. (470 cu ft-200% access, bring cement to surface). Wait on cement appropriate time until cement achieves 250 psi compressive strength at 60 degrees F. prior to nipple up of BOPE. Wait on cement for 8 hrs for conventionally set holes before pressure testing or drilling out from under surface.

Saw tooth guide shoe on bottom. Bowspring centralizers will be run in accordance with Onshore Order #2.

4 ½" production casing - Lead w/1246 sxs Premium Lite HS FM cement w/3% calcium chloride, 0.25 pps celloflake, 5 pps LCM-1, 0.4% fluid loss, 0.4% SMS. Tail w/90 sxs Type III cmt w/1% calcium chloride, 0.25 pps celloflake, 0.2% fluid loss (2780 cu ft, 20% excess to circulate to surface). If cement does not circulate to surface, a CBL or a temperature survey will be run to determine TOC.

4 ½" production casing alternative slurry— stage collar @ 5137' TMD'. First stage: pump 357 sxs Premium Lite HS FM w/ 3% calcium chloride, 0.25 pps celloflake, 5 pps LCM-1, 0.4% fluid loss, 0.4% SMS. Tail with 90 sxs Type III cmt w/1% calcium chloride, 0.25 pps celloflake, 0.2% fluid loss. Second stage: pump 889 sxs Premium Lite w/3% calcium chloride, 0.25 pps celloflake, 5 pps LCM-1, 0.4% fluid loss, 0.4% SMS (2780 cu ft of slurry, 20% excess).

#### BOP and Tests:

Surface to production TD - 11", 2000 psi double gate BOP stack (Reference Figure #1).

Prior to drilling out surface casing, test rams and casing to 600 psi for 30 minutes.

Surface to Total Depth - choke manifold (Reference Figure #2).

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

#### Additional Information:

- This gas is dedicated to the east half of Section 26 for the Mesaverde and Dakota formation.
- The gas is dedicated.
- New casing will be utilized.
- Pipe movement (reciprocation) will be done if hole conditions permit.
- No abnormal pressure zones are expected.

Springermelactor	5.25-05	
Drilling Engineer	Date	

**Burlington Resources** 

2000 psi System Orilling Rig

AND FLOOR

Drilling Rig Choke Manifold Configuration 2000 pel System

WQ ↑

FFLLUPLINE

POUPLE GATE

Choke manifold installation from Burface Casing Point to Total Depth. 2,000psi working pressure equipment with two chokes.

Figure #3

ressure double gate BOP to be equipped with blind and doc name. A stripping head to be installed on the top of Operations, 7-1/16" bore, 2000 pei minimum working pressure or greater excluding 600 pal attipping head. Minimum BOP installation for all Completion/Works the BOP. All BOP equipment is 2000 pal working Figure #2

4-20-01

Figure #1