UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

a.	Type of Work DRILL	5. Lease Number (ขึ้น) ไว้กับ กับ ไว
b.	Type of Well GAS	6. If Indian, All. or Tribe 070 FAR
<u>.</u>	Operator BURLINGTON RESCURCES Oil & Gas Company	7. Unit Agreement Name
	Address & Phone No. of Operator PO Box 4289, Farmington, NN 87499	8. Farm or Lease Name Sunray A 9. Well Number
	(505) 326-9700	#2B
4.	Location of Well Unit I (NESE), 1915' FSL, 470' FELS	10. Field, Pool, Wildcat Blanco Mesaverde/ Basin Dakota
	Latitude 36° 49.4527'N Longitude 107° 51.7867'W	11. Sec., Twn, Rge, Mer. (NMPM) Sec. 10, T30N, R10W
		API# 30-045- 33126
4.	Distance in Miles from Nearest Town 11 miles to Aztec, NM	12. County 13. State San Juan NM
5.	Distance from Proposed Location to Nearest Property or Lease	e Line
6.	Acres in Lease	17. Acres Assigned to Well 313.52 E/2
8.	Distance from Proposed Location to Nearest Well, Drig, Comp 1200' - Sunray A #2A	l, or Applied for on this Lease
9.	Proposed Depth 7883'	20. Rotary or Cable Tools Rotary
21,	Elevations (DF, FT, GR, Etc.) 6668′GL	22. Approx. Date Work will Start
23.	Proposed Casing and Cementing Program See Operations Plan attached	
24.	Authorized by: Sr. Regulatory Specialists	4/12/05 Date
PERM	IT NO. APPROYAL	DATE
APPR	OVED BY Manhoe 100 TITLE HTM	DATE 6-15-05
	eological Report attached tened and Endangered Species Report attached	

States any false, fictitious or fraudulent statements or presentations as to any matter within its jurisdiction.

MMOCD

District I PO Box 1980, Hobbs, NM 88241-1980

District II PO Drawer DD, Artesia, NM 88211-0719

District III 1000 Rio Brazos Rd., Aztec, NM 87410

District IV PO Box 2088, Santa Fe, NM 87504-2088 State of New Mexico Energy, Minerals & Natural Resources Department

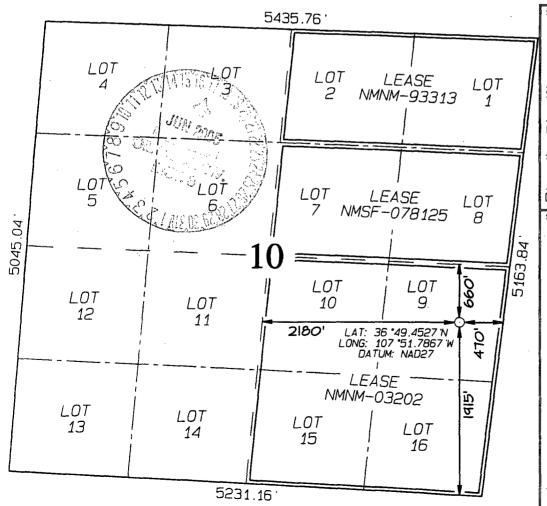
OIL CONSERVATION DIVISION PO Box 2088 Santa Fe, NM 87504-2088 Form C-102
Revised February 21, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

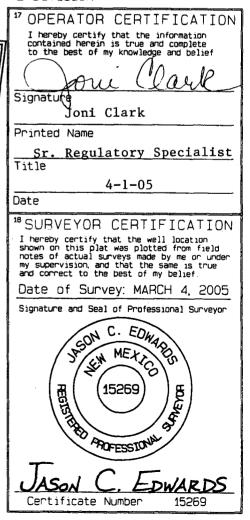
AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

'API Number 'Pool Code				Pool Name						
30-045-33(26) 72319/71599				9 B	lanco Mesaver	rde/Basin Da	akota			
*Property	Code				Property Name		- 6 W	•Well Number		
7561					SUNRAY A			2B		
'OGRID	Vo.				*Operator Name			9	*Elevation	
14538		BURLINGTON RE			ESOURCES OIL & GAS COMPANY, LP		ĺ	6668		
					¹⁰ Surface	Location				
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County	
I	10	30N	10W]	1915	SOUTH	470	EAST	SAN JUAN	
		11 BC	ttom	Hole L	ocation I	f Different	From Surf	ace		
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County	
12 Dedicated Acres				•	13 Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.			
E/2	313.5	2 acres								

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

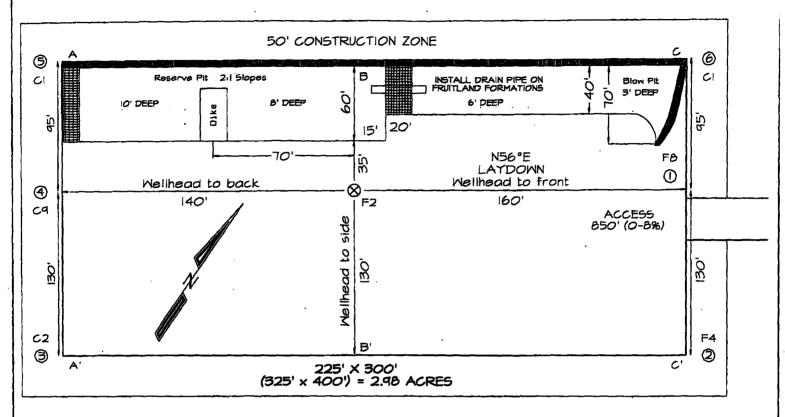




Office District I 1625 N. French Dr., Hobbs, NM 8824		of New Mexico		Form C-103
1625 N French Dr. Hobbs NM 8824		als and Natural Resources		May 27, 2004
District II	10		WELL API NO.	
1301 W. Grand Ave., Artesia, NM 883	210 OIL CONSE	RVATION DIVISION	5. Indicate Type of Lease	-
District III		outh St. Francis Dr.		FEE
1000 Rio Brazos Rd., Aztec, NM 874	10 Santa	a Fe, NM 87505	6. State Oil & Gas Lease No.	
District IV 1220 S. St. Francis Dr., Santa Fe, NM	87505		NMNM-032	202
SUNDRY NO	TICES AND REPORTS O		7. Lease Name or Unit Agreeme	ent Name
(DO NOT USE THIS FORM FOR PROPOS DIFFERENT RESERVOIR. USE "APPLIC			Sunray A	
PROPOSALS.)	(,	Sunray A	
1. Type of Well:	⊡ ~4		8. Well Number	
Oil Well Gas Well 2. Name of Operator	X Other		9. OGRID Number	
	ESOURCES OIL & GAS O	COMPANY LP	9. OGRID Number 14538	
3. Address of Operator	amprism Early (Diamo)	ND 4 05 400	10. Pool name or Wildcat	
3401 E. 30TH 9	STREET, FARMINGTON.	NM 87402	Blanco Mesaverde/B	asin Dakota
Unit Letter :	1915 feet from the		470 feet from the E	astline
Section 10	Township 11. Elevation (Show wheth	30N Range 10W	NMPM County	San Juan
	11. Elevation (Snow wheth	6668'		
Pit or Below-grade Tank Application	X or Closure			
Pit type New Drill Depth to Gro	undwater >100' Distanc	e from nearest fresh water well	>1000' Distance from nearest su	rface water >1000'
Pit Liner Thickness: na	mil Below-Gra	de Tank: Volume	bbls; Construction Material	
12. Che	ck Appropriate Box to	o Indicate Nature of Not	ice, Report or Other Data	
	F INTENTION TO:		SUBSEQUENT REPOR	
PERFORM REMEDIAL WORK TEMPORARILY ABANDON	PLUG AND ABANDO CHANGE PLANS	├─- 		TERING CASING AND A
PULL OR ALTER CASING	MULTIPLE COMPL		EMENT JOB	AND A []
OTHER: N		X OTHER:		
			ve pertinent dates, including estim	nated date
of starting any proposed w				
	voik). BEE ROLL 1105. 1	or interespie completions: Titue	if welloofe diagram of proposed c	ompletion
or recompletion.	voik). SEE ROLL 1103. 1	or Manapie Completions. That	in welloose diagram of proposed of	ompletion
or recompletion.	volk). SEE ROEE 1103. 1	or realispic Completions. Trade	ii welloofe diagram of proposed of	ompletion
or recompletion.		or realispic Completions. Trade	ir welloofe diagram of proposed of	ompletion
or recompletion.	·	or regulações de la completación. Presente	ii welloofe diagram of proposed of	ompletion
or recompletion.		or reading to Completions. Trade	ir welloofe diagram of proposed of	ompletion
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BURLINGTON RESOURCES OIL & GAS COMPANY, LP SUNRAY A #2B, 1915' FSL & 470' FEL SECTION 10, T30N, R10W, NMPM, SAN JUAN COUNTY, NM GROUND ELEVATION: 6668' DATE: MARCH 4, 2005

LATITUDE: 36°49'27"
LONGITUDE: 107°51'47"
DATUM: NADI927



Note: Contractor should call One-Call for location of any marked or unmarked buried pipelines or caples on well pad and/or access road at least two (2) working days prior to construction

OPERATIONS PLAN

<u>Well Name:</u>

SUNRAY A 2B

Location:

1915' FSL & 470' FEL, Section Sec 10 T30N R10W

San Juan County, New Mexico

Formation:

Blanco Mesaverde/Basin Dakota

Elevation: 6668' GL

Formation Tops:	<u>Top</u>	<u>Bottom</u>	<u>Contents</u>
Surface	San Jose	1937'	
Ojo Alamo	1937'	2112'	aquifer
Kirtland	2112'	2965'	gas
Fruitland Coal	2965'	3315'	gas
Pictured Cliffs	3315'	3445'	gas
Lewis	3445'	4050'	
Huerfanito Bentonite	4050'		
Chacra	4362'	4905'	gas
Massive Cliff House	4905'	4972'	gas
Menefee	4972'	5572'	gas
Massive Point Lookout	5572 '	5922'	gas
Mancos Shale	5922'	6832'	
Upper Gallup	6832'	7575'	gas
Greenhorn	7575'	7629'	gas
Graneros	7629'	7675'	gas
Two Wells	7675'	7774'	gas
Paguate	7774'	7819'	gas
Cubero	7819'	7868'	gas
Encinal	7868'	7883'	gas
Topset TD	7883'		gas
Total Depth:			gas

Logging Program:

Mud Logs/Coring/DST

Mud logs - none

Coring - none

DST - none

Open hole - none

Cased hole - Gamma Ray, CCL, CBL - surface to TD

Mud Program:

<u>Interval</u>	<u>Type</u>	<u>Weight</u>	<u>Vis.</u>	<u>Fluid Loss</u>
0 - 120'	Spud MUD/Air/Air Mist	8.4 - 9.0	40 - 50	no control
120 - 3545'	LSND	8.4 - 9.0	30 - 60	no control
3545 - 7883'	Air/Air Mist/Nitrogen	n/a	n/a	n/a

Casing Program (as listed, the equivalent, or better):

<u> Hole Size</u>	<u>Depth Interval</u>	<u>Csq.Size</u>	Wt.	<u>Grade</u>
12 1/4"	0' - 120'	9 5/8"	32.3#	H - 40
8 3/4"	0' - 3545'	7"	20/23#	J-55
6 1/4"	0' - 7883'	4 1/2"	10.5#	J-55

Tubing Program:

Depth Interval	<u>Csg.Size</u>	Wt.	<u>Grade</u>
0' - 7883'	2 3/8"	4.7#	J-55

BOP Specifications, Wellhead and Tests:

Surface to Intermediate TD -

11" 2000 psi minimum double gate BOP stack (Reference Figure #1). After nipple-up prior to drilling out surface casing, rams and casing will be tested to 600 psi for 30 minutes.

Intermediate TD to Total Depth -

11" 2000 psi minimum double gate BOP stack (Reference Figure #1). After nipple-up prior to drilling out intermediate casing, rams and casing will be tested to 1500 psi for 30 minutes.

Surface to Total Depth -

2" nominal, 2000 psi minimum choke manifold (Reference Figure #3).

Completion Operations -

 $7\ 1/16$ " 2000 psi double gate BOP stack (Reference Figure #2). After nipple-up prior to completion, pipe rams, casing and liner top will be tested to 2000 psi for 15 minutes.

Wellhead -

9 5/8" x 7" x 4 ½" x 2 3/8" x 2000 psi tree assembly.

General -

- Pipe rams will be actuated once each day and blind rams will be actuated once each trip to test proper functioning.
- An upper kelly cock valve with handle available and drill string valves to fit each drill string will be available on the rig floors at all times.
- BOP pit level drill will be conducted weekly for each drill crew.
- All BOP tests & drills will be recorded in daily drilling reports.
- Blind and pipe rams will be equipped with extension hand wheels.

Cementing:

9 5/8" surface casing -

Pre-Set Drilled - Cement with 23 sx Type I, II cement with 20% flyash mixed at 14.5 ppg, 1.61 cu ft per sack yield. (38 cu ft of slurry, bring cement to surface) Wait on cement for 24 hours for pre-set holes before pressure testing or drilling out from under surface.

Conventionally Drilled - Cement with 88 sx Type III cement with 0.25 pps Celloflake, 2% CaCl. (113 cu ft of slurry, 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. 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. Test casing to 600 psi for 30 minutes.

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

7" intermediate casing -

Lead with 314 sacks Premium Lite cement with 3% calcium chloride, 0.25 pps Celloflake, 5 pps LCM-1, 0.4% fluid loss, 0.4% sodium metasilicate. Tail w/90 sacks Type III cmt w/1% calcium chloride, 0.25 pps Celloflake, 0.2% fluid loss (793 cu ft 50% excess to circulate to surface). WOC minimum of 8 hours before drilling out intermediate casing. If cement does not circulate to surface, a CBL or a temperature survey will be run to determine TOC. Test casing to 1500 psi for 30 minutes.

7" intermediate casing alternative two stage -

Stage collar set 300' above the top of the Fruitland. First stage: Lead w/35 sacks Premium Lite cement with 3% calcium chloride, .25 pps celloflake, 5 pps LCM-1, 0.4% fluid loss. Tail w/90 Type III cmt w/1% calcium chloride, 0.25 pps Celloflake, 0.2% fluid loss. Second stage: 279 sacks Premium Lite cement with 3% calcium chloride, .25 pps celloflake, 5 pps LCM-1, 0.4% fluid loss, 0.4% sodium metasilicate (793 cu ft - 50% excess to circulate to surface).

Cement nose guide shoe on bottom with float collar spaced on top of shoe joint. Bowspring centralizers spaced every other joint off bottom, to the base of the Ojo Alamo @ 2414'. Two turbolating centralizers at the base of the Ojo Alamo 2414'. Bowspring centralizers spaced every fourth joint from the base of the Ojo Alamo to the base of the surface casing.

4 1/2" Production Casing -

Pump 298 sxs Premium Lite HS FM w/0.25 pps celloflake, 0.3% CD-32, 6.25 pps LCM-1, 1% fluid loss, 6% gel, 7 pps CSE (590 cu.ft., 30% excess to achieve 100' overlap in $4-1/2" \times 7"$ annulus). WOC a minimum of 18 hrs prior to completing.

Cementing: Continued

Cement float collar stacked on top of float shoe.

Note: If open hole logs are run, cement volumes will be based on 25% excess over caliper volumes.

Cement nose guide shoe on bottom with float collar spaced on top of shoe joint. The liner hanger will have a rubber packoff.

• If hole conditions permit, an adequate water spacer will be pumped ahead of each cement job to prevent cement/ mud contamination or cement hydration.

Special Drilling Operations (Air/Mist Drilling):

The following equipment will be operational while air/mist drilling:

- An anchored blooie line will be utilized to discharge all cuttings and circulating medium to the blow pit a minimum of 100' from the wellhead.
- The blooie line will be equipped with an automatic igniter or pilot light.
- Compressors will be located a minimum of 100' from the wellhead in the opposite direction from the blooie line.
- Engines will have spark arresters or water cooled exhaust.
- The rotating head will be properly lubricated and maintained.
- A float valve will be utilized above the bit.
- Mud circulating equipment, water, and mud materials will be sufficient to maintain control of the well.

Additional Information:

- The Mesa Verde and Dakota formations will be completed and commingled.
- No abnormal temperatures or hazards are anticipated.
- Anticipated pore pressures are as follows:

Fruitland Coal 300 psi
Pictured Cliffs 600 psi
Mesa Verde 700 psi
Dakota 2000 psi

- Sufficient LCM will be added to the mud system to maintain well control, if lost circulation is encountered below the top of the Pictured Cliffs.
- The east half of Section 10 is dedicated to the Mesa Verde and Dakota.
- This gas is dedicated.

Jos Drilling Engineer Date

