UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

	APPLICATION FOR	PERMIT TO DRILL, I	DEEPEN, OR PLUG BACK	2 00 7 52
а.	Type of Work	KA NOW	5. Lease Number	0.0
	DRILL	III AAAR	NMSF-0781 Unit Reporting Nu	M 1/
		JUL 2008		
b.	Type of Well		6. If Indian, All. or T	ribe
	GAS	JUL 2008		
•	Operator	(C),	7. Unit Agreement N	ame
	BURLINGTON RESOURCES Oil & Gas Cor	npany Street 12		
•	Address & Phone No. of Operator		8. Farm or Lease Na	me
	PO Box 4289, Farmington,	NM 87499	Sunray C	
	(505) 326-9700		9. Well Number #1008	
	Location of Well		10. Field, Pool, Wild	cat
	Unit F (SENW), 1620' FNL,		Basin Fruitland Coal/ red Cliffs/ Wildcat Fr A2+CC	
	Latitude 360 50.6161'N	Lot 6	F 11. Sec., Twn, Rge, Sec. 1, T30N, R	Mer. (NMPM) 11W
	Longitude 107° 56.7349'W		API# 30-045- 3	3774
4.	Distance in Miles from Nearest Town)	12. County	13. State
	5 miles to Aztec, NM		San Juan	NM
5.	Distance from Proposed Location to 1500'	Nearest Property or Le	ase Line	
6.	Acres in Lease		17. Acres Assigned N2 322.340 FC/ NW4 16	
8.	Distance from Proposed Location to 910' - Sunray C #1A	Nearest Well, Drig, Co	mpl, or Applied for on this Leas	6
9.	Proposed Depth		20. Rotary or Cable	Γοοί
	2730′		Rotary	
1.	Elevations (DF, FT, GR, Etc.) 5952'GL		22. Approx. Date W	ork will Start
23.	Proposed Casing and Cementing Pro			
	1 .	0		
24.	Authorized by: Amanda	Marson 1	1-1-7	1-
4.	Regulatory Ana	alyst	Date	<i>D</i>
		`		
		\mathcal{O}		
PERMI	T NO.	APPRO	VAL DATE	
	T NO. DIVED BY Maules 19	APPROV	VAL DATE DATE_	7/5/86

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.

MMOCD

This liction is subject to rechaical and phonocide a review pursuant to 43 CFR 3165.3 and ubunshourseant to 43 CFR 3165.4

DRILLING CAN HATION'S AUTHORIZED ARE ELEMENT PER A MILLEN FOR AND FACHER DISTRICT 1 1625 N. French Dr., Hobbs, N.M. 88240

DISTRICT II 1301 W. Grand Ave., Artesia, N.M. 88210

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

State of New Mexico Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION 1220 South St. Francis Dr.

220 South St. Francis D Santa Fe, NM 87505 Form C-10:
Revised October 12, 200
Submit to Appropriate District Offic
State Lease - 4 Copic
Fee Lease - 3 Copie

DISTRICT IV

☐ AMENDED REPORT

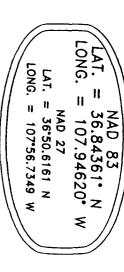
DISTRICT IV 220 South St. Fran	ncis Dr.,									DED REPOR	
'API N		2 OO()	1	CATION Pool Code 29/71280	1	CREAGE DEDI	CATION PI	ATA 2	<i>T&C</i> ruitla tured	/ Ind Sands Cliffs	
30-045		3119	/102	.5//1200							
*Property Code	e				•	rty Name				Number	
7565					SUNRAY C *Operator Name					100S * Elevation	
OGRID No.	ł										
14538 BURLI		LINGTON	NGTON RESOURCES OIL & GAS COMPANY			' LP 59!		52'			
					10 Surfac	ce Location					
UL or lot no.	Section	Township	Range	Lot ldn	Feet from th	, , , , , , , , , , , , , , , , , , , ,	Feet from the	,	lest line	County	
	1	30-N	11-W	(6)	1620	NORTH	1500	WES	<u>, </u>	SAN JUAN	
UL or lot no.	S- 4:	T 2	11 Botte	om Hole	Location	n If Different Fr					
UE of lot no.	Section	Township	Range	Lot lan	reet from t	he North/South line	Feet from the	East/V	Vest line	County	
B Dedicated Acres			19 Joint or	İnfill	14 Consolidati	on Code	¹⁵ Order No.	L			
N2 322.340		i									
NW4 160.850							<u> </u>				
	BLE W					TION UNTIL ALL BEEN APPROVED			EN COI	NSOLIDATEI	
,								121014			
FD 3 1/4" BLM BC. 1953	N 89-39-05 W 7 5361.47		7' (M)	FD 3 1/4" BC. 1	BLM 17 0	PERATO:	R CER	TIFICATION			
				{		,	I hereby cer	tify that the	information	contained herein	
\(\frac{1}{2}\)	1	}		;			is true and	complete to t that this organ	he best of t nisation citi	my knowledge and her owns a workti	
LOT 4	1	LOT	3	;	OT 2	LOT 1	interest or 1	unleased mine	ral interest	in the land ecution or has a	
O LOT 4 40.39	{	029 40.3	8		0.44	40.43	right to dril	d this well at	this location	m pursuant to a	
•	1	(-			(NAD 83)		interest, or	to a voluntary	y poolány a	ineral or working preement or a	
		LON	IG. 107.9	14620° W.	(NAD 83)		compulsory division.	pooling order	heretofore e	miered by the	
1500'	}		1 AT. 36	i }≀ '50 6161' it	N. (NAĎ 27)					ſ	
1300		− ₽			W. (NAD 27)		<u> </u>				
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5	ISA SE				. — -	. H. ET UX	Signature)	كالكوسم	Date	
S USA SF-078198		}{	USA NM-03758		Amanda Sandova		al				
- 				1			Printed !	Vame			
D 3 1/4" BLM C. 1969											
O. 1903							18 SU	RVEYOR	CERT	TIFICATION	
	ł						I hereby certi	fy that the w	ell location	shown on this pla	
LOT 12	[LOT	11	L	OT 10	LOT 9	was plotted fr	om field note:	s of actual	surveys made by	
40.36	}	40.2	28	1	10.40	40.32				the same is true	
				1			and correct, to	the best of n	ny belief.		
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							Date of Sy	WALL TO SERVICE OF THE PARTY OF	VE.	6	
	Ì						Signature		Following A	Strogor	
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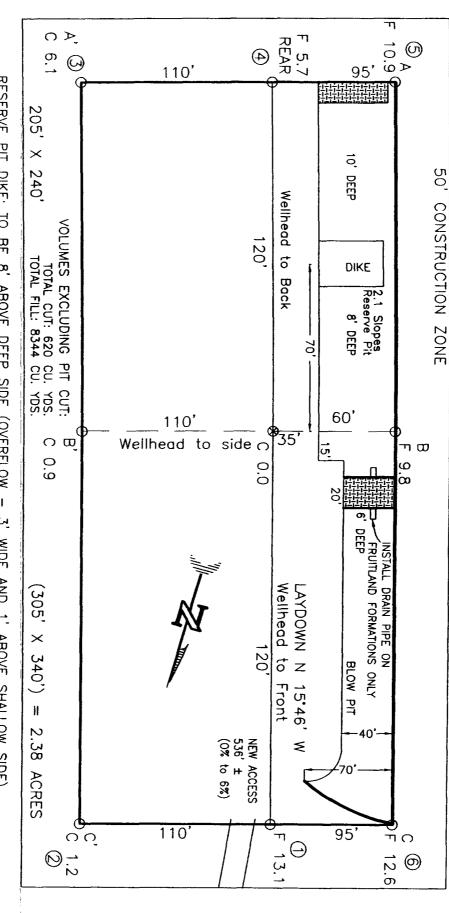
Office	State of New	Mexico		Form C-103
District I	Energy, Minerals and	Natural Resources		May 27, 2004
1625 N. French Dr., Hobbs, NM 88240 District II			WELL API NO. 30-045-	22714
1301 W. Grand Ave., Artesia, NM 88210	OIL CONSERVAT	ION DIVISION	5. Indicate Type of Lease	<u> </u>
District III	1220 South St.	Francis Dr.	STATE FE	EE 🗌
1000 Rio Brazos Rd., Aztec, NM 87410	Santa Fe, NI	A 87505	6. State Oil & Gas Lease No.	
<u>District IV</u> 1220 S. St. Francis Dr., Santa Fe, NM 875	05		NMSF-078198	
SUNDRY NOTIC	CES AND REPORTS ON WELL		7. Lease Name or Unit Agreement	
(DO NOT USE THIS FORM FOR PROPOSALS DIFFERENT RESERVOIR. USE "APPLICATION"			Summer C	
PROPOSALS.)	ON FOR PERIMIT (FORM C-101) FOR	socii	Sunray C	
1. Type of Well:			8. Well Number	
Oil Well Gas Well X	Other		#100S	
2. Name of Operator BURLINGTON RESO	OURCES OIL & GAS COMPAN	Y LP	9. OGRID Number 14538	
3. Address of Operator			10. Pool name or Wildcat	
3401 E. 30TH STE 4. Well Location	REET, FARMINGTON, NM 874	02	Basin FC/ Aztec PC/\	WC FS
	1620 feet from the No	orth line and	1500 feet from the Wes	st line
Section 1	Township 30N	Range 11W		San Juan
	Elevation (Show whether DR, RI	(B, RT, GR, etc.) 52'		
Pit or Below-grade Tank Application	or Closure	J <u>L</u>	THE PROPERTY OF THE PROPERTY O	en interfacio e enclusione interpretario de la composición del composición de la com
Pit type New Drill Depth to Ground	water >100' Distance from nea	rest fresh water well	>1000' Distance from nearest surfa	ce water >1000'
Pit Liner Thickness: 12	mil Below-Grade Tank:	Volume	bbls; Construction Material	
12. Check	Appropriate Box to Indica	nte Nature of Not	ice, Report or Other Data	
	NTENTION TO:		SUBSEQUENT REPORT	OF:
PERFORM REMEDIAL WORK	PLUG AND ABANDON	REMEDIA		RING CASING
TEMPORARILY ABANDON	CHANGE PLANS		CE DRILLING OPNS. P ANI	D A
PULL OR ALTER CASING	MULTIPLE COMPL	L CASING/C	EMENT JOB	
OTHER: New	v Drill	X OTHER:		
- Title		<u> </u>		
13. Describe proposed or complet			rive pertinent dates, including estimate	
13. Describe proposed or complet of starting any proposed work			give pertinent dates, including estimates wellbore diagram of proposed com	
13. Describe proposed or complet				
13. Describe proposed or complet of starting any proposed work				
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Describe proposed or complet of starting any proposed work or recompletion. New Drill, Lined:). SEE RULE 1103. For Multip	e Completions: Attac	th wellbore diagram of proposed com	pletion
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Conditions of Approval (if any):

BURLINGTON RESOURCES OIL & GAS COMPANY LP SECTION 1, T-30-N, R-11-W, N.M.P.M., SAN JUAN COUNTY, NEW MEXICO SUNRAY C No. 100S, 1620 FNL 1500 FWL

GROUND ELEVATION: 5952', DATE: MARCH 7, 2006





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

NOTE: DAGGETT ENTERPRISES, INC. IS NOT LIABLE FOR UNDERGROUND UTILITIES OR PIPELINES. NEW MEXICO ONE CALL TO BE NOTIFIED 48 HOURS PRIOR TO EXCAVATION OR CONSTRUCTION.

NOTE:

NOTE: ESTIMATED VOLUMES CALCULATED BY AVERAGE END AREA AT CROSS-SECTION SHOWN

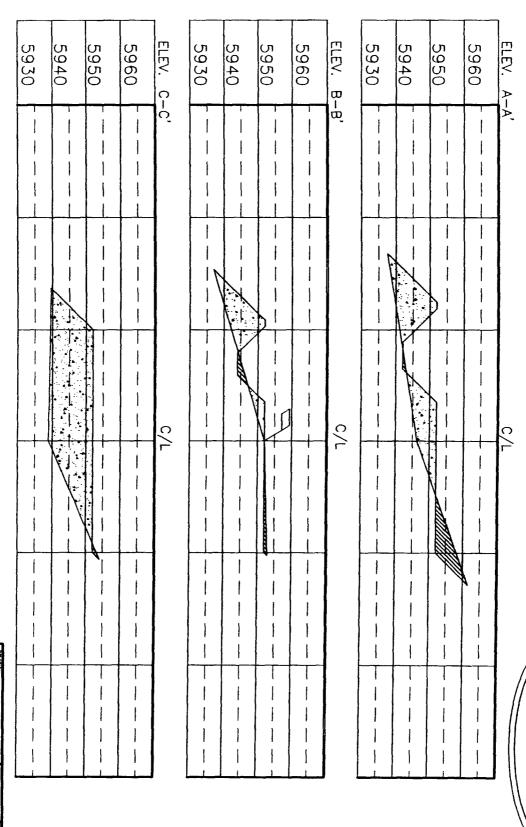
Surveying and Oil Field Services
P. O. Box 15088 • Farmington, NM 87401 Daggett Enterprises, Inc Phone (505) 326-1772 · Fax (505) 326-6019

CONTRACTOR SHOULD CALL TONE-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

BURLINGTON RESOURCES OIL & GAS COMPANY LP SUNRAY C No. 100S, 1620 FNL 1500 FWL

SECTION 1, T-30-N, R-11-W, N.M.P.M., SAN JUAN COUNTY, NEW MEXICO GROUND ELEVATION: 5952', DATE: MARCH 7, 2006

NAD 83 LAT. = 36.84361° N LONG. = 107.94620° W NAD 27 LAT. = 36.50.6161 N LONG. = 107.56.7349 W



NOTE: DAGGETT ENTERPRISES, INC. IS NOT LIABLE FOR UNDERGROUND UTILITIES OR PIPELINES. NEW MEXICO ONE CALL TO BE NOTIFIED 48 HOURS PRIOR TO EXCAVATION OR CONSTRUCTION.

NOTE: CONTRACTOR SHOULD CALL ONE—CALL FOR LOCATION OF ANY MARK

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 CONSTRUCTION

Daggett Enterprises, Inc.
Surveying and OII Field Services
P. O. Box 15068 • Farmington, NM 87401
Phone (505) 326-1772 • Fax (505) 326-8019

OPERATIONS PLAN

Well Name: Sunray C #100S

Location: Unit F (SENW) 1620' FNL & 1500' FWL, Section 1, T30N, R11W

San Juan County, New Mexico

Latitude 360 50.6161'N Longitude 1070 56.7349' W

Formation: Basin Fruitland Coal

Elevation: 5952' GR

Formation: Contents Bottom Top Ojo Alamo 1170′ 1217′ aquifer Kirtland 1217' 2174' gas T/Fruitland 2174' 2530' gas Pictured Cliffs 2530' Total Depth 2730'

Logging Program: None

Mud Program:

Interval Type Weight Vis. Fluid Loss 0-120' Spud/Air/Air Mist 8.4-8.9 40-50 no control 120-2730' Non-dispersed 8.4-9.5 30-60 no control

Casing Program:

ising trogram.			
Hole Size	Depth Interval	Csg.Size	Wt.
Grade			
8 ¾ "	0 - 120'	7"	20.0#
J-55			
6 ¼ "	0 - 2730'	4 1/2"	10.5#
J/K-55			

Tubing Program:

0 - 2730' 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 @ 1217'. Two turbolizing type centralizers - one below and one into the base of the Ojo Alamo @ 1217'. Standard centralizers thereafter every fourth joint up to the base of the surface pipe.

Wellhead Equipment: 7" x 4 1/2" x 2 3/8" x 11" 2000 psi xmas tree assembly.

Page 2 Sunray C #100S

Cementing:

= Lel 7" surface casing Pre-Set Drilled - Cement with Type I, II cement with 20% flyash mixed at 14.5 ppg, 1/28 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 139 sx (296 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 420 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 rems 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, Pictured Cliffs, and Fruitland Sands formation will be completed.
- Anticipated pore pressure for the Fruitland Coal is 600 700 psi.
- This gas is dedicated.
- The north half of section 1 is dedicated to the FC and the northwest Quarter of section 1 is dedicated to the Fruitland Sands and Pictured
- New casing will be utilized.
- Pipe movement (either rotation or reciprocation) will be done if hole conditions permit.

Drilling Engineer

5/15/2006

BURLINGTON RESOURCES

Drilling Rig Choke Menifold Configuration 2000 pai System

2000 psi System **Drilling Rig**

Burlington Resources

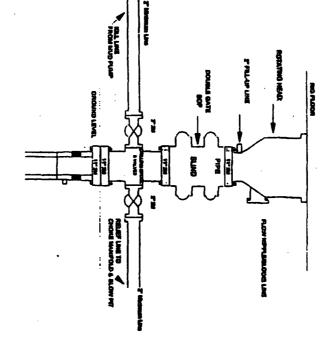


Figure #1

4-20-01

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

Figure #3

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Minimum BOP installation for all Compission/Workover he BOP. All BOP equipment to 2000 pel working pipe rams. A stripping head to be installed on the top of perations. 7-1/16" bors, 2000 psi minimum working rsure double gate BOP to be equipped with blind and ure or greater excluding 500 pel attipping head Figure #2

10-02-4

BURLINGTON RESOURCES

Completion/Workover Rig BOP Configuration 2,000 pai System