# UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

2006 FEB 17 PM 3 15

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUGOBACKARMIN 1a. Type of Work 5. Lease Number DRILL NMNM-029146 **Unit Reporting Number** 1b. Type of Well 6. If Indian, All. or Tribe GAS 2. Operator 7. Unit Agreement Name BURLINGTON RESOURCES Oil & Gas Company 3. Address & Phone No. of Operator 8. Farm or Lease Name PO Box 4289, Farmington, NM 87499 San Juan 9. Well Number (505) 326-9700 #23S 10. Field, Pool, Wildcat Location of Well Unit F (SENW), 2265' FNL, 1705' FWL Basin Fruitland Coal 11. Sec., Twn, Rge, Mer. (NMPM) Latitude 36.683350'N Sec. 33, T29N, R9W Longitude 107.79020° W API # 30-045-33603 14. 13. State Distance in Miles from Nearest Town 12. County 8 miles to Blanco, NM San Juan NM 15. Distance from Proposed Location to Nearest Property or Lease Line 1705 Acres in Lease 16. 17. Acres Assigned to Well 320 W2 18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 675'- San Juan #22 19. **Proposed Depth** 20. Rotary or Cable Tools 2603' Rotary 21. Elevations (DF, FT, GR, Etc.) 22. Approx. Date Work will Start 6068'GL 23. **Proposed Casing and Cementing Program** See Operations Plan attached 24. Regulatory Compliance Assistant'III APPROVAL DATE PERMIT NO. APPROVED B DATE ~ TITLE

Archaeological Report attached

Threatened and Endangered Species Report attached

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

Title 18 U.S.C. Section 1001, makes it a erime 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.

This action is subject to echnical and procedural review pursuant to 43 CFR 3165 3 and appeal pursuant to 43 CFR 3165.4

DEFILING OPERATIONS AUTHORIZED ARE PLACED TO COMPLIANCE WITH ATTACHED TO THE REQUIREMENTS.



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

District II FO Orawer OD, Antesia, NM 88211-0719

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

District IV PO Box 2088, Santa Fe, NM 87504-2088

320 W2

State of New Mexico Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION PO Box 2088 Santa Fe. NM 87504-2088

Revised February 21, 1994 Instructions on back

Submit to Appropriate District Office State Lease - 4 Copies

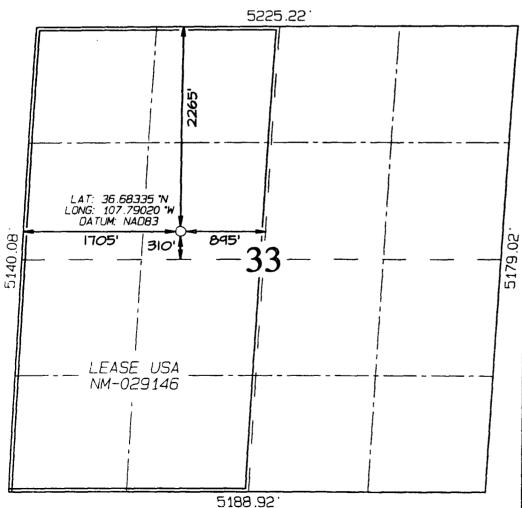
Fee Lease - 3 Copies

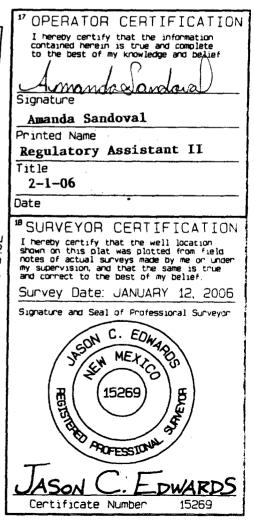
AMENDED REPORT

## WELL LOCATION AND ACREAGE DEDICATION PLAT

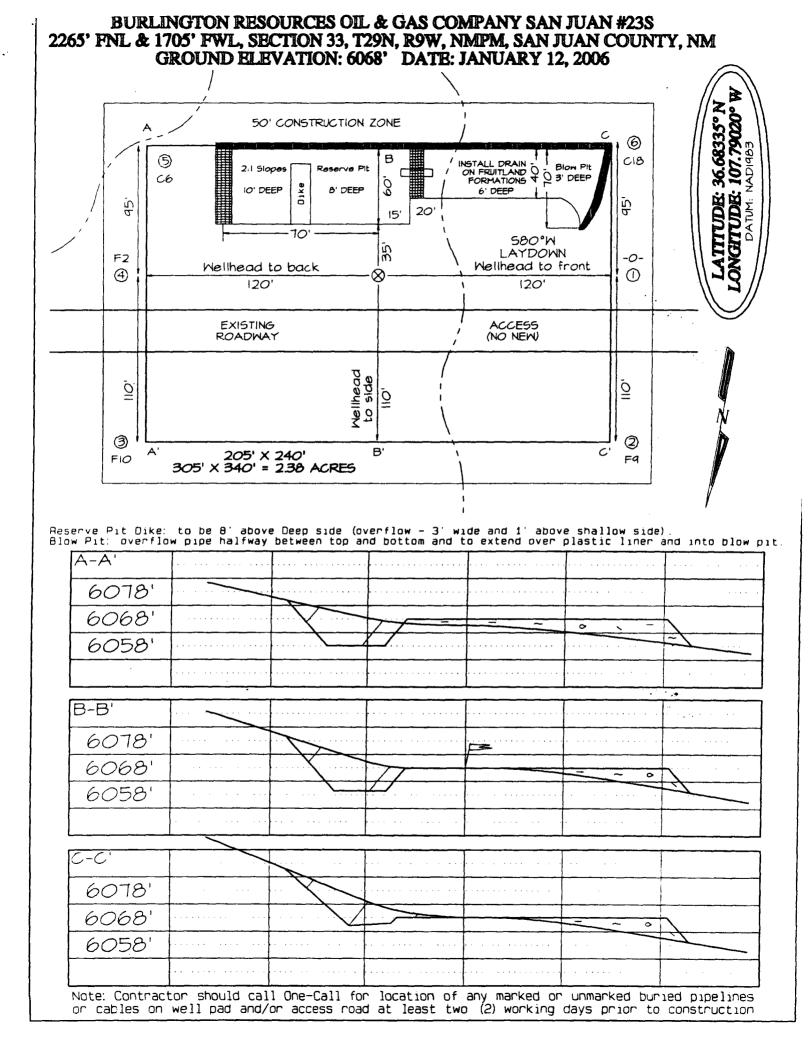
'API Number			- 1	*Pool Code		Pool Name				
30-045- 33603			71629		Basin Fruitland Coal			✓ :		
*Property					Propert	ty Name			We	ell Number
7451			SAN JUAN				•	235 2		
'OGRID No. 14538 -			BURLI	*Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY, LP			7	*Elevation		
	- <u></u>				<sup>10</sup> Surface	Location			-	
UL on lot no.	Sect 100	Township	Range	Lot Idn	Feet from the	North/South lune	Feet from the	East/We	st line	County . L
F	33	29N	9W		2265	NORTH	1705	WE	ST	SAN JUAN
		11 Bo	ottom	Hole L	ocation ]	If Different	From Surf	ace		
UL or lot no.	Sect ion	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/We	st line	County
12 Dedicated Acres				L	19 Jount or Infill	<sup>34</sup> Consolidation Code	<sup>5</sup> Order No.	<u> </u>		

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 Submit 3 Copies To Appropriate District	State of New Mexico	Form C-103
District I	Energy, Minerals and Natural Reso	
1625 N. French Dr., Hobbs, NM 88240		WELL API NO. 23/01/2
<u>District II</u> 1301 W. Grand Ave., Artesia, NM 88210	OIL CONSERVATION DIVIS	SION 5. Indicate Type of Lease
District III	1220 South St. Francis Dr.	STATE FEE
1000 Rio Brazos Rd., Aztec, NM 87410	Santa Fe, NM 87505	6. State Oil & Gas Lease No.
District IV	Santa Pe, NWI 67505	o. State on te das Bease 110.
1220 S. St. Francis Dr., Santa Fe, NM 8750		NMNM-029146
i e	ES AND REPORTS ON WELLS TO DRILL OR TO DEEPEN OR PLUG BACK TO A	7. Lease Name or Unit Agreement Name
DIFFERENT RESERVOIR. USE "APPLICATIO		San Juan
PROPOSALS.)		
1. Type of Well:	Other	8. Well Number
Oil Well Gas Well X  2. Name of Operator	Other	9. OGRID Number
	URCES OIL & GAS COMPANY LP	14538
3. Address of Operator		10. Pool name or Wildcat
	EET, FARMINGTON, NM 87402	Basin Fruitland Coal
4. Well Location Unit Letter F: 2	265 feet from the North line	and 1705 feet from the West line
Section 33	Township 29N Rng	9W NMPM County San Juan
	Elevation (Show whether DR, RKB, RT, GR, e	
	6068'	
Pit or Below-grade Tank Application	or Closure	>200
Pit type new drill Depth to Groundwa	ater >100' Distance from nearest fresh water	<del></del>
Pit Liner Thickness: n/a	mil Below-Grade Tank: Volume	bbls; Construction Material
12. Check A	Appropriate Box to Indicate Nature	of Notice, Report or Other Data
NOTICE OF IN	TENTION TO:	SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK	<b>—</b> 1	EMEDIAL WORK ALTERING CASING
TEMPORARILY ABANDON		OMMENCE DRILLING OPNS. P AND A
PULL OR ALTER CASING	MULTIPLE COMPL CA	ASING/CEMENT JOB
OTHER: New D	rill Pit X O	THER:
		ls, and give pertinent dates, including estimated date
	SEE RULE 1103. For Multiple Completion	s: Attach wellbore diagram of proposed completion
or recompletion.		
New Drill, Unlined:		
Rurlington Resources proposes to co	netruet a new drilling nit and an associated we	nt/flare pit. Based on Burlington's interpretation of the
	<del>-</del> -	unlined pit as detailed in Burlington's Revised Drilling /
		le at the NMOCD office. A portion of the vent/flare pit will be
<del>-</del>		criteria. Burlington Resources anticipates closing these pits
according to the Drilling / Workover	Pit Closure Procedure dated August 2, 2004 of	on file that the NMOCD office.
I hereby certify that the information abo	ve is true and complete to the best of my know	wledge and belief. I further certify that any pit or below-
		rmit X or an (attached) alternative OCD-approved plan .
. 1		
SIGNATURE TYMANOS	Dandove TITLE	Regulatory Assistant II DATE 2/9/2006
Type or print name Amanda	a Sandeval E-mail address: asa	andoval@br-inc.com Telephone No. 505-326-9891
For State Use Only	D-man auturess. ase	inderangor-ino.com releptione No. 303-320-7091
1. /	/ <b>I</b> /	1406 A A A A A A A A A A A A A A A A A A A
APPPROVED BY	THE REPORT OF THE PERSON OF TH	
	TITLE CHANGE	DATE DATE
Conditions of Approval (if any):	TITLE OFFITS	DATE DATE



4.7#

J-55

## OPERATIONS PLAN

Well Name:

San Juan #23S

Location:

Unit F (SENW) 2265' FNL & 1705' FWL, Section 33, T29N, R9W

San Juan County, New Mexico

Latitude 36.68335° 'N; Longitude 107.79020° W

Formation:

Basin Fruitland Coal

Elevation:

6068' GR

Formation:	Тор	Bottom	Contents
Surface	San Jose		
Ojo Alamo	1389'		
Kirtland	1425'	2161'	gas
T/Fruitland	2161'		gas
Pictured Cliffs	2403'		
Total Depth	2603'		

Note: The Total Depth for this well is into the Pictured Cliffs interval, but currently only have plans to complete the Fruitland Coal interval. We could in the near future perforate/stimulate the Pictured Cliffs interval, but only would once Regulatory approval was asked for and received.

Logging Program: Newton-Density to surface.

0 - 2603'

## Mud Program: <u>Interval</u>

Tubing Program:

<u>Interval</u> 0- 120'	Type Spud air air-must	<u>Weight</u> 8.4-8.9	Vis. Fluid Loss 40-50 no cont	
120-2603'	Non-dispersed	8.4-9.5	30-60	no control
Casing Program:				
Hole Size	<u>Depth Interval</u>	<u>Csg.Size</u>	Wt.	<u>Grade</u>
8 3 "	0 - 120'	7"	20.0#	J-55
6 <del>1</del> "	0 - 2603'	4 1/2"	10.5#	J/K-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 @ 1425'. Two turbolizing type centralizers - one below and one into the base of the Ojo Alamo @ 1425'. Standard centralizers thereafter every fourth joint up to the base of the surface pipe.

2 3/8"

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

## Cementing:

7" surface casing Pre-Set Drilled - Cement with Type I, II cement with 20% flyash mixed at 14.5 ppg, 1.61 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 <u>42</u> sx Type III cement with 0.25 pps Celloflake, 3% CaCl. (<u>54</u> 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**.

#### 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 pans 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 formation will be completed.
- \* Anticipated pore pressure for the Fruitland is between 600 700 psi.
- \* This gas is dedicated.
- \* The west half of section 33 is dedicated to Fruitland Coal.
- New casing will be utilized.
- \* Pipe movement (either rotation or reciprocation) will be done if hole conditions permit.

Drilling Engineer Date

Mintenum BOP brainflation for all Compasion-Workover Operations, 7-1/16" bors, 2000 pal mintenum working pressure double gate BOP to be equipped with billing and pipe rams. A stripping head to be freshilled on the top of the BOP, All BOP equipment to 2000 pai working pressure or greater exchaling 600 pal stripping head.

Figure #2

Figure #3

4-20-01

Figure #1

10-02-4