UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

		ION FOR PERMIT TO DRILL, I		
а.	Type of Work DRILL	FEB 2006	5. Lease Number NMSF-076 Unit Reporting I	3138
lb.	Type of Well GAS	LED ON TO	6. If Indian, All. or	Tribe
2.	Operator BURLINGTON RESCURCES Oil &	\$ 5 \$ C 7 \ \\ \(\) \(7. Unit Agreement	Name
3.	Address & Phone No. of O PO Box 4289, Farm		8. Farm or Lease N Morris 9. Well Number	lame
	(505) 326-9700		1038	
I .	Location of Well Unit O (SWSE), 910'	FSL & 1600' FEL,	10. Field, Pool, Wi Basin FC / Azt	
	Latitude 36° 46.720 Longitude 107° 59.5		11. Sec., Twn, Rge Sec. 28, T30N	, Mer. (NMPM) , R11W
	hongitude 107° 59.5	3141. M	API # 30-045- 3	3564
14.	Distance in Miles from Nea	rest Town	12. County San Juan	13. State NM
15.	Distance from Proposed Lo	ocation to Nearest Property or Le	ase Line	
16.	Acres in Lease		17. Acres Assigne FC - 3 20.76 W/2; PC- 320.08	
18.	Distance from Proposed Lo Dryhole Federal B #	ocation to Nearest Well, Drlg, Co	mpl, or Applied for on this Le	ase
19.	Proposed Depth 2536'		20. Rotary or Cabl Rotary	e Tools
21.	Elevations (DF, FT, GR, Etc 6020' GL	c.)	22. Approx. Date	Work will Start
23.	Proposed Casing and Ceme See Operations Pl		/	
24.	Authorized by: Sr. Reg	gulatory Specialist		6/06
				/
PERM	IT NO.	APPRO	VAL DATE	/_ _//

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 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.

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

Not an HPA FC Well
DRILLING OPERATIONS AUTHORIZED APP
"SUBJECT TO COMP. JAMOF WITH ALLACALD
"GENERAL REQUIREMS VIS".

DISTRICT I 1625 N. French Dr., Hobbs, N.M. 86240

State of New Mexico Energy, Minerals & Natural Resources Department

Form C-102 Revised August 15, 2000

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

DISTRICT IV

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

2040 South Pacheco, Santa Fe, NM 67505

OIL CONSERVATION DIVISION

2040 South Pacheco Santa Fe, NM 87505

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

2000 JAN SO FA 4 29 AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1API Number 30-045- 33564	^a Pool Code 71629 / 71280	Basin Fruitland Coal /	ctured Cliffs
*Property Code 7324		operty Name ORRIS	*Well Number
OGRID No.	⁶ Op	erator Name	 ° Elevation
14538	BURLINGTON RESOURCES	S OIL AND GAS COMPANY LP	6020' ~

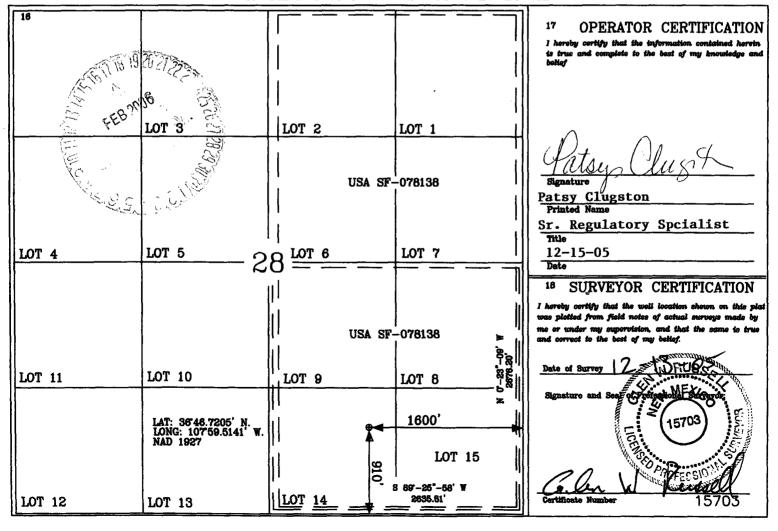
¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
0	28	30-N	11-W		910'	SOUTH	1600'	EAST	SAN JUAN
			11 0	17.1	T 1: T	Diff. I El	0		

"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							
,							
PC- 160.760 acres SE/4 15 Joint or Infill							
	t/West line County						

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

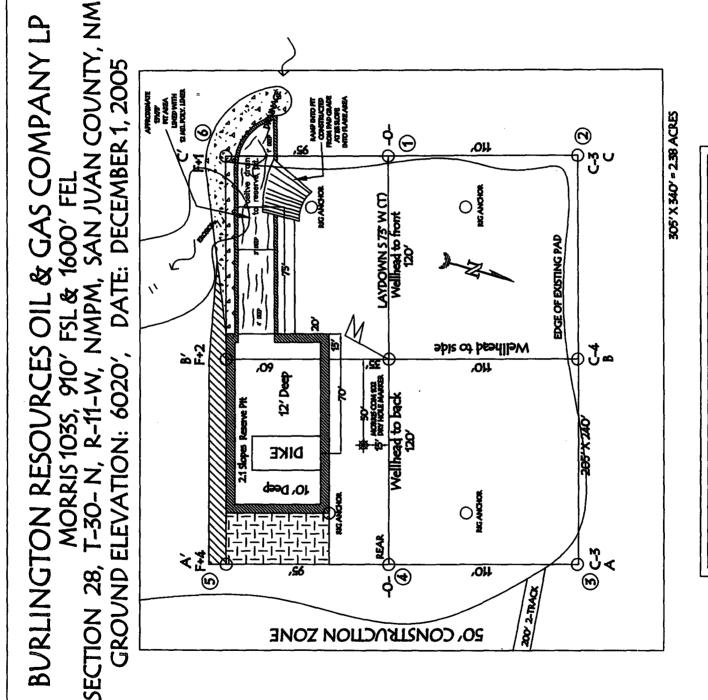


Submit 3 Copies To Appropriate District Office	State of N	ew Mexico				Form C-103
District I	Energy, Minerals ar	nd Natural Resourc				May 27, 2004
1625 N. French Dr., Hobbs, NM 88240		water ya	WELL A		20.045	
<u>District II</u> 1301 W. Grand Ave., Artesia, NM 88210	OIL CONSERVA	ATION DIVISIO	N 5. Indica	ate Type of Lease	30-045- e	
District III		St. Francis Dr.		STATE	FEE	
1000 Rio Brazos Rd., Aztec, NM 87410	Santa Fe,	NM 87505	6. State	Oil & Gas Lease	No.	**
District IV	1505			Fadaval Lagar	NIMOE 0701	20
1220 S. St. Francis Dr., Santa Fe, NM 87 SUNDRY NOT	ICES AND REPORTS ON WE	LLS	7. Lease	Name or Unit A	e - NMSF-0781. greement Name	
(DO NOT USE THIS FORM FOR PROPOSAL	LS TO DRILL OR TO DEEPEN OR PI	LUG BACK TO A				
DIFFERENT RESERVOIR. USE "APPLICAT PROPOSALS.)	ION FOR PERMIT" (FORM C-101) F	OR SUCH		M	lorris	
1. Type of Well:			8. Well N	Jumber		
Oil Well Gas Well X	Other				103S	
2. Name of Operator			9. OGRI	D Number		
3. Address of Operator	SOURCES OIL & GAS COMP	ANY LP	10 Pool	name or Wildcat	<u>4538</u>	
	REET, FARMINGTON, NM 8	37402	10. 1001		C/ Aztec PC	
4. Well Location						
Unit Letter O : Section 28	910' feet from the Township 3	South line and ON Range		feet from the		line
	1. Elevation (Show whether DR)	2 *****	11W NMI	TMI CO	ounty S	an Juan
	6	020" GR				
Pit or Below-grade Tank Application	or Closure					
Pit type New Drill Depth to Ground	dwater <100 Distance from	nearest fresh water well	>1000	Distance from ne	arest surface water	er >1000
Pit Liner Thickness: 12	mil Below-Grade Tan	k: Volume	bbls;	Construction Ma	iterial	
12. Check	Appropriate Box to Ind	licate Nature of	Notice, Rep	ort or Other	Data	
NOTICE OF	INTENTION TO:		SUBSI	EQUENT RE	PORT OF:	
PERFORM REMEDIAL WORK	PLUG AND ABANDON	<u> </u>	DIAL WORK		ALTERING	CASING
TEMPORARILY ABANDON PULL OR ALTER CASING	CHANGE PLANS MULTIPLE COMPL		MENCE DRILLII IG/CEMENT JO	·	PANDA	
FOLL OR ALTER CASING] MOLTIFEE COMPL	L CASII	IG/CEIVIENT JO	, L	1	
OTHER: No	ew Drill	X OTHE	R:			
13. Describe proposed or comple						
of starting any proposed wor or recompletion.	rk). SEE RULE 1103. For Mul	Itiple Completions: A	Attach wellbore	diagram of prop	osed completic	m
or recompletion.		·				
New Drill, Lined:						
,						
Burlington Resources proposes to						
Ecosphere's risk ranking criteria,						
Operation Procedures dated Nover						
that portion will be lined as per the Pit Closure Procedure dated Augu			pates closing th	ese pits accordin	ig to the Drillin	g / workover
The Crosure Frederica duted Fluga	st 2, 2004 on the at the Miloc.	D office				
I hereby certify that the information a	hove is true and complete to th	e hest of my knowled	ge and helief	I further certify the	et any nit or helow	
grade tank has been/will be constructed or c						
1//2 /2		/				
SIGNATURE // /////	<u> </u>		Regulatory Ass		DATE	1/4/2006
Type or print name Phila For State Use Only	na Thompson E-mai	il address: <u>pthom</u> r	son@br-inc.c	com Telephone	No. 505	-326-9530
APPPROVED BY Conditions of Approval (if any):	thefe	TITLE DEPUTY ON	. & GAS IMES	echal, dist. &	DATE _	3 1 7 2006

- DIPLINES OR CABLES ON WELL PAD AND OR ACCESS ROAD AT LEAST TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION.

CONTRACTOR SHOULD CALL ONE-CALL FOR LOCATION OF ANY MARKED OR UNMARKED BURIED

MOTE. VECTOR SURVEYS IS NOT LABBE FOR UNDERGROUND VILLITIES OR PIPELINES.



LATITUDE: 36' 46.7205' N LONGITUDE: 107' 59.5141' W NADZ7

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

BURLINGTON RESOURCES OIL & GAS COMPANY LP MORRIS 1035, 910' FSL & 1600' FEL SECTION 28, T-30- N, R-11-W, NMPM, SAN JUAN COUNTY, NM GROUND ELEVATION: 6020', DATE: DECEMBER 1, 2005

ELEV. A'-A	5
0,04	
3	
9030	
0209	
6010	
ELEV. B'-B	5
0709	
0209	
	M
6020	
0109	
ELEV. C'-C	₽,
6040	
•	
9030	
6020	
6010	

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

OPERATIONS PLAN

Well Name:

Morris 103S

Location:

Unit O (SWSE), 910' FSL & 1600' FEL, Sec. 28, T30N, R11W

San Juan County, New Mexico

Latitude 36° 46.7205'N Longitude 107° 59.5141' W

Formation:

Basin Fruitland Coal & Pictured Cliffs

Elevation:

6020' GR

Formation:	Тор	Bottom	Contents
Ojo Alamo	958'	1052'	aquifer
Kirtland	1052'	2053'	gas
T/Fruitland	2053'		gas
Pictured Cliffs	2336'		_
Total Depth	2536'		

Logging Program: None

Mud Program:

<u>Interval</u>	Type	<u>Weight</u>	Vis. Fluid Loss
0- 120'	Spud/Air/Air Mist	8.4-8.9	40-50 no control
120-2536'	Non-dispersed	8.4-9.5	30-60 no control

Casing Program:

Hole Size	<u>Depth Interval</u>	Csq.Size	<u>Wt.</u>	<u>Grade</u>
8 3 "	0 - 120'	7"	20.0#	J-55
6 1 "	0 - 2536'	4 1/2"	10.5#	J/K-55

Tubing Program:

0 - 2536' 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 @ 1052'. Two turbolizing type centralizers - one below and one into the base of the Ojo Alamo @ 1052'. 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 Morris #103S

Cementing:

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 141 sx (300 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 424 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, and Pictured formations will be completed.
- * Anticipated pore pressure for the Fruitland Coal is 600 700 psi.
- * This gas is dedicated.
- * The east half of the section is dedicated to the FC, and the SESE/4 of the section is dedicated to the PC for this well.
- * New casing will be utilized.
- * Pipe movement (either rotation or reciprocation) will be done if

hole conditions permit.

Drilling Engineer

Date

BURLINGTON RESOURCES

BURLINGTON RESOURCES

CompletionWorkover Rig BOP Configuration 2,000 psi System

Choke Manifold Configuration

Burlington Resources

Orilling Rig 2000 pel System

NO POOR

ROTATING HEAD

E PRILAD LINE

Choke membral testilization from Burbare Cestin Paint to Total Dayth. 2,000pal working presesur equipment with two chokes.

Figure #5

4-20-01

Figure #1

Minimum BOP installation for all Compassion-Worknover Operations. 7-1/16* bore, 2000 pel minimum working pressure drucking gate BOP to be equipped with third and pipe rams. A stripping head to be installed on the top of the BOP. All BOP equipment is 2000 pel exhing pressure or greater excluding 600 pel stripping head.

Figure #2

4-20-01