

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

2008 03 11 PM 3 29

1a. Type of Work
DRILL

5. Lease Number

NMMR-03195-A

RECEIVED
Unit Reporting Number
070 FARMINGTON NM

1b. Type of Well
GAS

6. If Indian, All. or Tribe

2. Operator
BURLINGTON
RESOURCES Oil & Gas Company

7. Unit Agreement Name

3. Address & Phone No. of Operator
PO Box 4289, Farmington, NM 87499
(505) 326-9700

8. Farm or Lease Name
Sullivan

9. Well Number
#1E

4. Location of Well
Unit A (NENE), 869' FNL, 1248' FEL

10. Field, Pool, Wildcat
Basin Dakota

Latitude 36° 49' 51.42"N
Longitude 107° 55' 11.17"W

11. Sec., Twn, Rge, Mer. (NMPM)
A Sec. 7, T30N, R10W

API # 30-045-33841

14. Distance in Miles from Nearest Town
7 miles to Aztec, NM

12. County
San Juan

13. State
NM

15. Distance from Proposed Location to Nearest Property or Lease Line
869'

17. Acres Assigned to Well

16. Acres in Lease

319.67 N2

18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease
329' - Sullivan #1R

20. Rotary or Cable Tool
Rotary

19. Proposed Depth
7363'

21. Elevations (DF, FT, GR, Etc.)
6211' GL

22. Approx. Date Work will Start

23. Proposed Casing and Cementing Program
See Operations Plan attached

24. Authorized by: Amanda Sanchez
Regulatory Analyst

7/11/06

Date

PERMIT NO.

APPROVAL DATE

APPROVED BY D. Mankiewicz

TITLE

DATE 7/18/06

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

NMOC

DRILLING OPERATIONS AUTHORIZED ARE
SUBJECT TO COMPLIANCE WITH ATTACHED
"GENERAL REQUIREMENTS".

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Alamogordo, NM 88340
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Fee Lease - 3 Copies
State Lease - 7 Copies
Submit to Appropriate District Office
Revised June 10, 2003
Form C-102

AMMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

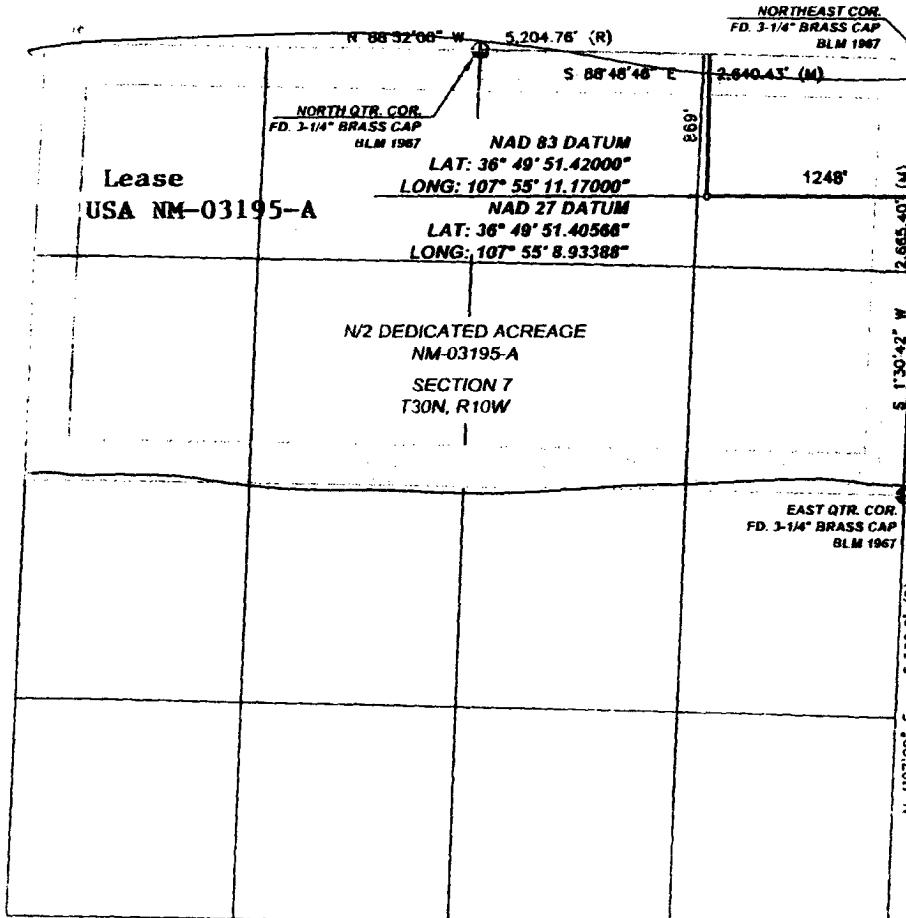
¹ API Number 30-045- 33841	² Pool Code 71599	³ Pool Name BASIN DAKOTA	
⁴ Property Code 7555	⁵ Property Name SULLIVAN		
⁷ OGRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL AND GAS COMPANY LP		
⁹ SURFACE LOCATION			

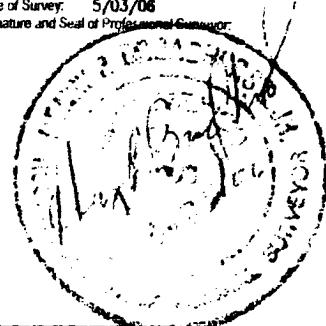
10	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
10	A	7	30N	10W	5	869	NORTH	1,248	EAST

¹¹ Bottom Hole Location If Different From Surface

12	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
12	A								

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



¹² OPERATOR CERTIFICATION
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or leased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order herefore entered by the division.
<i>Patsy Clugston</i>
Signature
Patsy Clugston
Printed Name
Sr. Reg. Specialist pclugston@br-inc.com
Tide and E-mail Address
6/9/2006
Date
¹³ 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 my belief.
Date of Survey: 5/03/06
Signature and Seal of Professional Surveyor

Certificate Number: NM 11393

Submit 3 Copies To Appropriate District

Office

District I

1625 N. French Dr., Hobbs, NM 88240

District II

1301 W. Grand Ave., Artesia, NM 88210

District III

1000 Rio Brazos Rd., Aztec, NM 87410

District IV

1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico

Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

Form C-103

May 27, 2004

WELL API NO.

30-045- 33841

5. Indicate Type of Lease

STATE

FEE

6. State Oil & Gas Lease No.

NMNM-03195-A

7. Lease Name or Unit Agreement Name

Sullivan

8. Well Number

1E

9. OGRID Number

14538

10. Pool name or Wildcat

Basin Dakota

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well:
Oil Well Gas Well Other

2. Name of Operator

BURLINGTON RESOURCES OIL & GAS COMPANY LP

3. Address of Operator
3401 E. 30TH STREET, FARMINGTON, NM 87402

4. Well Location
Unit Letter A : 869 feet from the North line and 1248 feet from the East line
Section 7 Township 30N Range 10W NMPM County San Juan

11. Elevation (Show whether DR, RKB, RT, GR, etc.)

6211'

Pit or Below-grade Tank Application

or Closure

>100'

Pit type New Drill Depth to Groundwater <100' Distance from nearest fresh water well >1000' Distance from nearest surface water <1000'

Pit Liner Thickness: 12 mil Below-Grade Tank: Volume bbls; Construction Material

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK

PLUG AND ABANDON

TEMPORARILY ABANDON

CHANGE PLANS

PULL OR ALTER CASING

MULTIPLE COMPL

OTHER:

New Drill

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

SUBSEQUENT REPORT OF:

REMEDIAL WORK

ALTERING CASING

COMMENCE DRILLING OPNS.

P AND A

CASING/CEMENT JOB

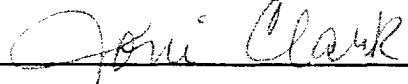
OTHER:

New Drill, Lined:

Burlington Resources proposes to construct a new drilling pit and an associated vent/flare pit. Based on Burlington's interpretation of the Ecosphere's risk ranking criteria, the new drilling pit will be a lined pit as detailed in Burlington's Revised Drilling / Workover Pit Construction / Operation Procedures dated November 11, 2004 on file at the NMOCD office. A portion of the vent/flare pit will be designed to manage fluids and that portion will be lined as per the risk ranking criteria. Burlington Resources anticipates closing these pits according to the Drilling / Workover Pit Closure Procedure dated August 2, 2004 on file at the NMOCD office

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines , a general permit or an (attached) alternative OCD-approved plan .

SIGNATURE



TITLE

Regulatory Analyst

DATE

7/11/2006

Type or print name
For State Use Only

Joni Clark

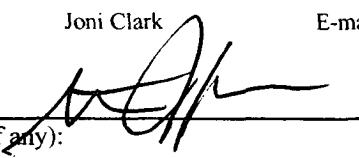
E-mail address:

jclark@br-inc.com

Telephone No.

505-326-9701

APPROVED BY



TITLE

DEPUTY OIL & GAS INSPECTOR, DIST. #8

DATE

JUL 20 2006

Conditions of Approval (if any):

BURLINGTON RESOURCES OIL & GAS COMPANY LP

SULLIVAN 1E
869' FNL, 1,248' FEL

SECTION 7 T30 R10W.

GROUND ELEV: 6,210.6' NAVD88
DATE: MAY 3, 2006

⑤ C-7.9
2.1 SLOPES RESERVE PIT
⑥ C-6.4 4' HIGH WALL
LINED WITH 12 MIL POLY LINER
FROM BOTTOM
OF BLOW PIT

C-7.1

⑦

⑧

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BURLINGTON RESOURCES OIL & GAS COMPANY LP

SULLIVAN 1E 869' FNL, 1,248' FEL SECTION 7, T30N, R10W, SAN JUAN COUNTY, NEW MEXICO ELEV.: 6,210.6' NADV88

A - A'

C/L

HORIZ. SCALE 1"= 50'
VERT. SCALE 1" = 20'

6220

6210

6200

6190

150' 100' 50' 0 50' 100' 150'

B - B'

C/L

HORIZ. SCALE 1"= 50'
VERT. SCALE 1" = 20'

6220

6210

6200

6190

150' 100' 50' 0 50' 100' 150'

C - C'

C/L

HORIZ. SCALE 1"= 50'
VERT. SCALE 1" = 20'

6220

6210

6200

6190

150' 100' 50' 0 50' 100' 150'

NOTE: CCI IS NOT LIABLE FOR UNDERGROUND UTILITIES
OR PIPELINES.

CONTRACTOR SHOULD CALL ONE-CALL FOR LOCATION OF
ANY MARKED OR UNMARKED BURIED PIPELINES OR
CABLES ON WELL PAD AND OR ACCESS ROAD PRIOR TO
CONSTRUCTION.

REVISIONS			
NO.	DESCRIPTION	REVISED BY	DATE

1300 W. BROADWAY
BLOOMFIELD NM, 87413
PHONE: (505)632-7777

CCI

CHENAUT CONSULTING INC.

OPERATIONS PLAN

Well Name:

SULLIVAN 1E

Location:

869' FNL & 1248' FEL, Section Sec 07 T30N R10W
San Juan County, New Mexico

Formation:

Basin Dakota

Elevation:

6210.6' GL

Formation Tops:

	<u>Top</u>	<u>Bottom</u>	<u>Contents</u>
Surface	San Jose	1439'	
Ojo Alamo	1439'	1510'	aquifer
Kirtland	1510'	2577'	gas
Fruitland Coal	2577'	2818'	gas
Pictured Cliffs	2818'	2979'	gas
Lewis	2979'	3547'	
Huerfanito Bentonite	3547'	3959'	
Chacra	3959'	4420'	gas
Massive Cliff House	4420'	4587'	gas
Menefee	4587'	5086'	gas
Massive Point Lookout	5086'	5395'	gas
Mancos Shale	5395'	6323'	
Upper Gallup	6323'	7074'	gas
Greenhorn	7074'	7127'	gas
Graneros	7127'	7179'	gas
Two Wells	7179'	7268'	gas
Paguate	7268'	7308'	gas
Cubero	7308'	7363'	gas
Encinal	7363'	7363'	gas
Total Depth:	7363'		gas

Logging Program:

Mud Logs/Coring/DST

Mud logs - none

Coring - none

DST - none

Open hole - none

Cased hole - Gamma Ray, 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' - 3079'	LSND	8.4 - 9.0	30 - 60	no control
3079' - 7363'	Air/Air Mist/Nitrogen	n/a	n/a	n/a

C. HARRADEN/ July 12, 2006 *CH*

BURLINGTON RESOURCES/ Sullivan #1E APD

STIPULATION/CONDITION OF APPROVAL

This well is located within a 'vulnerable area'. In order to protect the integrity of the fresh water alluvium aquifer, a minimum surface csg. depth of 200' is stipulated as a condition of approval for this APD.

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

<u>Hole Size</u>	<u>Depth Interval</u>	<u>Csg. Size</u>	<u>Wt.</u>	<u>Grade</u>
12 1/4"	0' - 120' 200'	9 5/8"	32.3#	H-40
8 3/4"	0' - 3079'	7"	20#	J-55
6 1/4"	0' - 7363'	4 1/2"	10.5#/11.6#	J-55

Tubing Program:

<u>Depth Interval</u>	<u>Csg. Size</u>	<u>Wt.</u>	<u>Grade</u>
0' - 7363'	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, BOPE 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, BOPE 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 1/4" 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 ~~22~~ 23 sxs Type I, II cement with 20% flyash mixed at 14.5 ppg, 1.61 cu ft per sack yield. (30% excess to surface, 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 ~~188~~ 191 sxs Type III cement with 0.25 pps Celloflake, 2% CaCl. ~~126~~ 13 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 265 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 (124 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/27 sacks Premium Lite cement with 3% calcium chloride, .25 pps celloflake, 5 pps LCM-1, 0.4% fluid loss. Tail w/90 sxs Type III cmt w/1% calcium chloride, 0.25 pps Celloflake, 0.2% fluid loss. Second stage: 151 sacks Premium Lite cement with 3% calcium chloride, .25 pps celloflake, 5 pps LCM-1, 0.4% fluid loss, 0.4% sodium metasilicate (688 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 @ 1510'. Two turbolating centralizers at the base of the Ojo Alamo @ 1510'. 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 280 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 (555 cu.ft., 30% excess to achieve 100' overlap in 4-1/2" x 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:

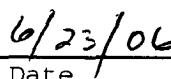
- An anchored blooie line will be utilized to discharge all cuttings and circulating medium to the blow pit a minimum of 100' from the wellhead.
- The blooie line will be equipped with an automatic igniter or pilot light.
- Compressors will be located a minimum of 100' from the wellhead in the opposite 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:

- This will be a Dakota only.
- 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 north half of Section 7 is dedicated to the Dakota formation.
- This gas is dedicated.

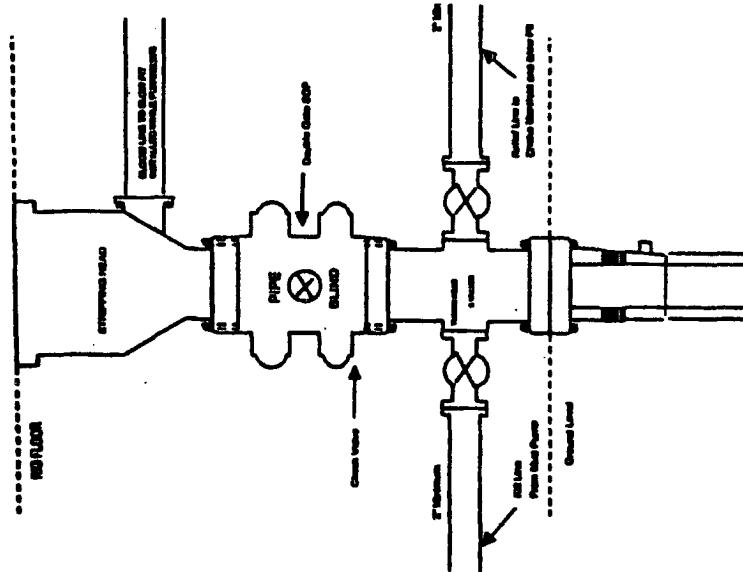

Drilling Engineer


Date

BURLINGTON RESOURCES

BURLINGTON RESOURCES

**Completion/Workover Rig
BOP Configuration
2,000 psi System**



Minimum BOP hydraulization for all Completion/Workover Operations. 7-1/16" bore, 2000 psi minimum working pressure double gate BOP to be equipped with blind and pipe rams. A stripping head to be installed on the top of the BOP. All BOP equipment to 2000 psi working pressure or greater excluding 300 psi stripping head.

Figure 42

4-20-01

4-30-01

5

Choke manifold installation from Surface Casting
Point to Total Depth. 2,000psi working pressure
equipment with two choices.

SCOP installation from Surface Coating Point to Total Depth, 11" Barn
Hopper, 2000 gal holding pressure vessel gas SCOP to be
equipped with blind staves and pipe name. A 500 gal rotating head on top of
main pressurizer. SCOP equipment in 2,000 gal mounting pressure

1

-20-01

ROTATING HEAD

DOOR GATE STOP

PIPE

BLIND

VALVE STOP

VALVE STOP

FALL LINE

FALL UP LINE

FALL LINE PUMP

GROUND LEVEL

FALL LINE

FALL UP LINE

FALL LINE PUMP

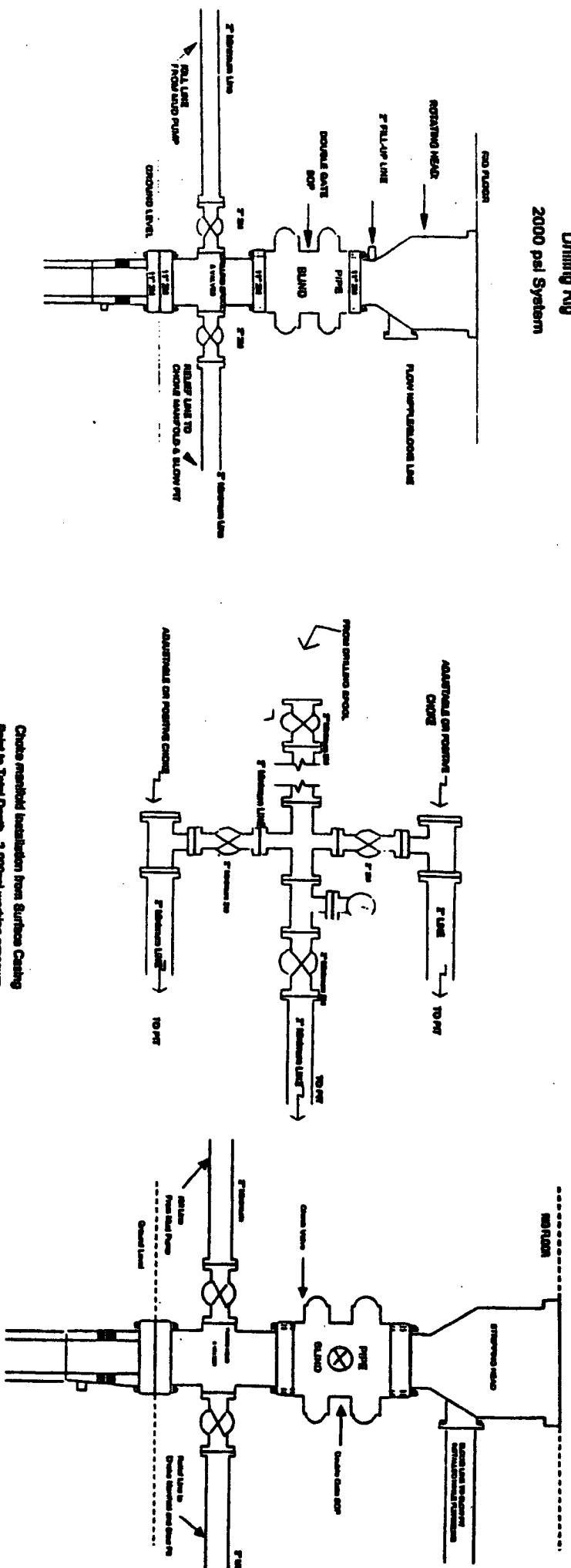
GROUND LEVEL

BURLINGTON RESOURCES

Burlington Resources

Drilling Rig Choke Manifold Configuration 2000 psi System

Completion/Workover Rig SOP Configuration 2,000 psi system



Choke mastiff inhibition from Surface Casting
Pulse to Total Depth. 2,000psi working pressure
equipment with two chokes.

minimum BOP isolation for all Completion/Motlower Operations. 7-1/16" bore, 2000 psi minimum working pressure double gate BOP to be equipped with blind and pipe ram. A stripping head to be installed on the top of the BOP. All BOP equipment to 2000 psi working pressure or greater exceeding 500 psi stripping head.

Figure 1

4-20-01

Figure 1

4-20-01

10-02-01