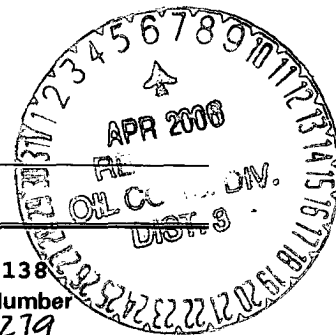


UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT



APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	2005 MAR 3 10 10 AM RECEIVED CTO FARMINGTON NM	5. Lease Number NMSF-078138 Unit Reporting Number NMNM-088219
1b. Type of Well GAS		6. If Indian, All. or Tribe
2. Operator BURLINGTON RESOURCES Oil & Gas Company		7. Unit Agreement Name Morris
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700		8. Farm or Lease Name 9. Well Number 5S
4. Location of Well Unit F (SENW), 1950' FNL, 1645' FWL Latitude 36° 47.1071 Longitude 108° 01.0032	Lot 3 F	10. Field, Pool, Wildcat Aztec Pictured Cliffs / Basin Fruitland Coal 11. Sec., Twn, Rge, Mer. (NMPM) Sec. 29, T30N, R11W API # 30-045-3 3629
14. Distance in Miles from Nearest Town 8 miles from Flora Vista, NM	12. County San Juan	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1645'		
16. Acres in Lease	17. Acres Assigned to Well 159.25 ac NW4 PC 319.16 ac N2 FS	
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 1900'- COPC Bruington 29 #1		
19. Proposed Depth 2288'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 5801'	22. Approx. Date Work will Start	
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by: <u>Patsy Chung</u> Sr. Regulatory Specialist	<u>2/28/06</u> Date	

PERMIT NO.

APPROVAL DATE

APPROVED BY B. Manteo

TITLE AFM

DATE 4/4/06

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 43 CFR 3165.4

DRILLING OPERATIONS AUTHORIZED ARE
SUBJECT TO COMPLIANCE WITH ATTACHED
"CONCRETE" AND "STAINLESS"

NMOCB

Form C-102
Revised February 21, 1994
Instructions on back
Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

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

2006 MAR 3 AM 10 44

☐ AMENDED REPORT

RECEIVED
WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number	*Pool Code	*Pool Name
30-045 - 33629	71280/71629	Aztec Pictured Cliffs/Basin Fruitland Coal
*Property Code	*Property Name	*Well Number
7324	MORRIS	5S
*OGRID No.	*Operator Name	*Elevation
14538	BURLINGTON RESOURCES OIL & GAS COMPANY, LP	5801'

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
F	29	30N	11W		1950	NORTH	1645	WEST	SAN JUAN

¹¹Bottom Hole Location If Different From Surface[illegible]

¹² Dedicated Acres

PC 159.25 ac NW4
FC 319.16 ac N2

^B Joint or Infill

24	Consolidation Code
----	--------------------

15	Order No.
----	-----------

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

16

2624.16'

PC

LEASE FEE

LAT: 36°47.1071' N
LONG: 108°01.0032' W
DATUM: NAD27

1950'

LOT 2

LEASE USA
SF-078138

2665.08'

LEASE FEE

LEASE USA
SF-077451-A

LEASE FEE

1645'

680'

LOT 3

LOT 4

29

5294.52'

5227.20'

LOT 5

LOT 6

LOT 7

LOT 8

LOT 9

5253.60'

17 OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief

Patsy Clugston

Signature

Patsy Clugston

Printed Name

Sr. Regulatory Specialist

Title

2/15/2006


Date

18 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.

Survey Date: JANUARY 11, 2006

Signature and Seal of Professional Surveyor



JASON C. EDWARDS

Certificate Number 15269

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

Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

May 27, 2004

<p>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.)</p>		<p>WELL API NO. 30-045- 33629</p>
<p>1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other</p>		<p>5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input type="checkbox"/></p>
<p>2. Name of Operator BURLINGTON RESOURCES OIL & GAS COMPANY LP</p>		<p>6. State Oil & Gas Lease No. NMSF-078138</p>
<p>3. Address of Operator 3401 E. 30TH STREET, FARMINGTON, NM 87402</p>		<p>7. Lease Name or Unit Agreement Name Morris</p>
<p>4. Well Location Unit Letter F : 1950 feet from the North line and 1645 feet from the West line Section 29 Township 30N Rng 11W NMPM County San Juan</p>		<p>8. Well Number 5S</p>
<p>11. Elevation (Show whether DR, RKB, RT, GR, etc.) 5801'</p>		<p>9. OGRID Number 14538</p>
<p>Pit or Below-grade Tank Application <input type="checkbox"/> or Closure <input type="checkbox"/></p>		<p>10. Pool name or Wildcat Aztec Pictured Cliffs / Basin Fruitland Coal</p>
<p>Pit type New Drill Depth to Groundwater >100 Distance from nearest fresh water well >1000 Distance from nearest surface water <1000</p>		
<p>Pit Liner Thickness: 12 mil Below-Grade Tank: Volume bbls; Construction Material</p>		

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 ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ P AND A ☐
CASING/CEMENT JOB ☐

OTHER: **New Drill** ☒

OTHER: ☐

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.

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 NMOCDC 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 NMOCDC 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 NMOCDC guidelines ☐, a general permit ☒ or an (attached) alternative OCD-approved plan ☐.

SIGNATURE Patsy Clugston TITLE Sr. Regulatory Specialist DATE 2/23/2006

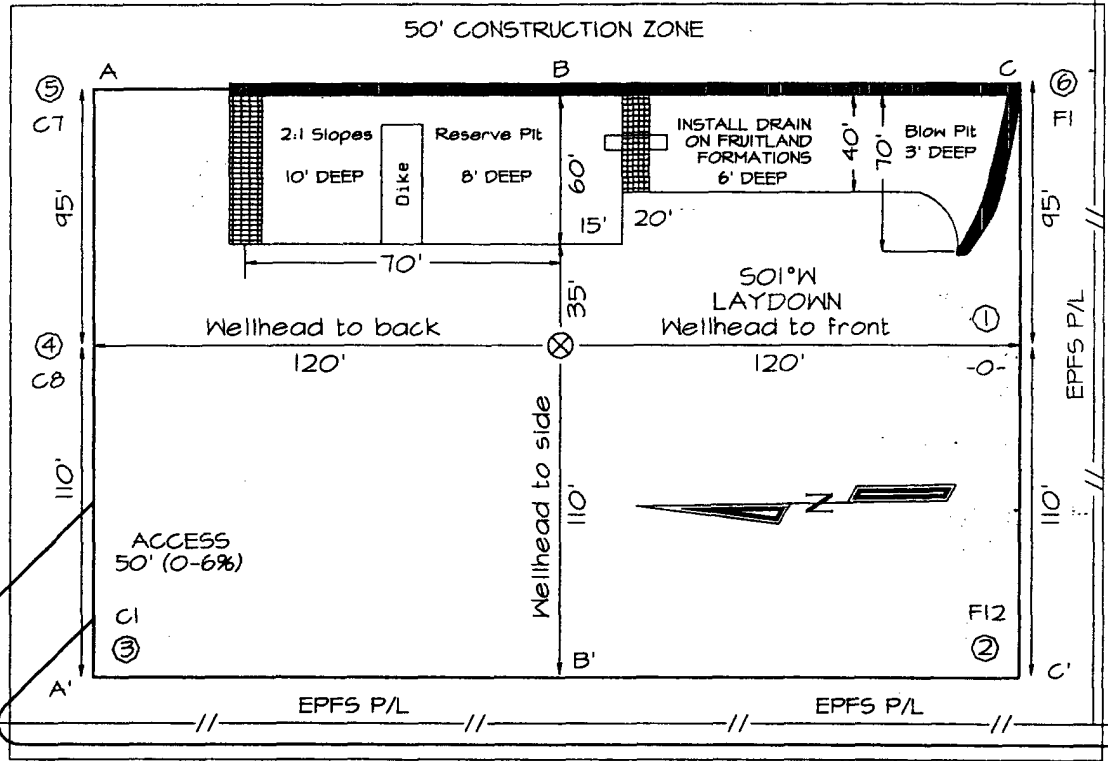
Type or print name Patsy Clugston E-mail address: pclugston@br-inc.com Telephone No. 505-326-9700
For State Use Only

APPROVED BY [Signature] TITLE SENIOR OIL & GAS INSPECTOR, DIST. 4 DATE APR 06 2006
Conditions of Approval (if any):

BURLINGTON RESOURCES OIL & GAS COMPANY MORRIS #5S
1950' FNL & 1645' FWL, SECTION 29, T30N, R11W, NMPM, SAN JUAN COUNTY, NM
GROUND ELEVATION: 5801' DATE: JANUARY 11, 2006

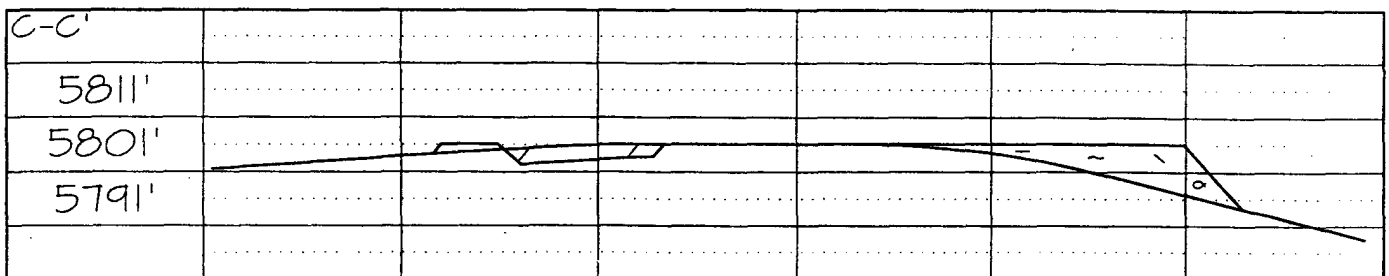
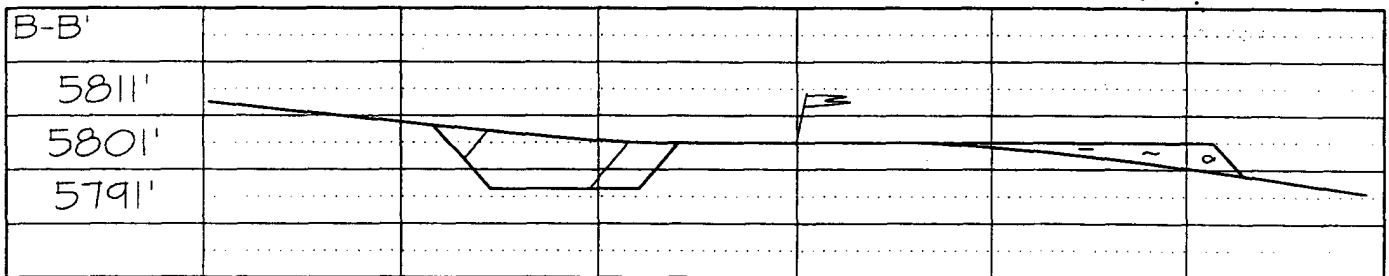
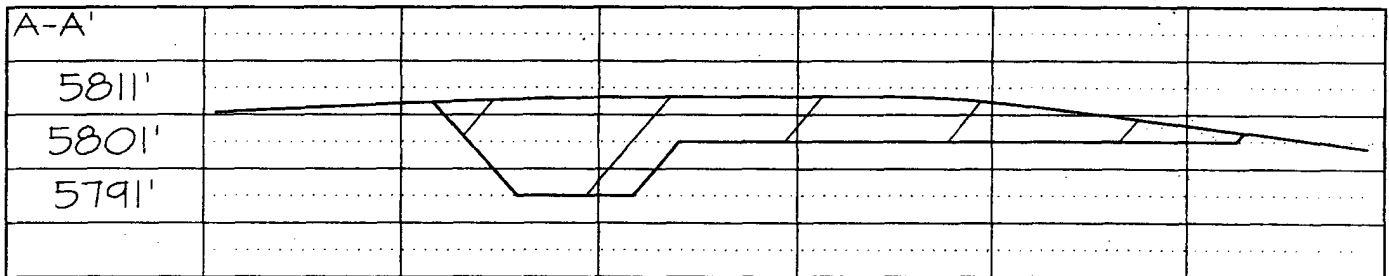
205' X 240' 305' X 340' = 2.38 ACRES

LATITUDE: 36.78512° N
LONGITUDE: 108.01734° W
 DATUM: NAD1983



EXISTING ROADWAY

Reserve Pit Dike: to be 8' above Deep side (overflow - 3' wide and 1' above shallow side).
 Blow Pit: overflow pipe halfway between top and bottom and to extend over plastic liner and into blow pit.



Note: 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

OPERATIONS PLAN

Well Name: Morris #5S
Location: Unit F (SENW) 1950' FNL & 1645' FWL, Section 29, T30N, R11W
 San Juan County, New Mexico
 Latitude 36° 47.1071'N; Longitude 108° 01.0032'W
Formation: Basin Fruitland Coal/ Aztec Pictured Cliffs
Elevation: 5801' GR

Formation:	Top	Bottom	Contents
Surface	San Jose		
Ojo Alamo	643'		
Kirtland	778'	1858'	gas
T/Fruitland	1858'		gas
Pictured Cliffs	2088'		
Total Depth	2288'		

Logging Program: None

Mud Program:

<u>Interval</u>	<u>Type</u>	<u>Weight</u>	<u>Vis. Fluid Loss</u>
0- 120'	Spud Mud/Air/AirMist	8.4-8.9	40-50 no control
120-2288'	Non-dispersed	8.4-9.5	30-60 no control

Casing Program:

<u>Hole Size</u>	<u>Depth Interval</u>	<u>Csg. Size</u>	<u>Wt.</u>	<u>Grade</u>
8 $\frac{3}{4}$ "	0 - 120'	7"	20.0#	J-55
6 $\frac{1}{4}$ "	0 - 2288'	4 1/2"	10.5#	J/K-55

Tubing Program:

0 - 2288'	2 3/8"	4.7#	J-55
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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 @ 778'. Two turbolizing type centralizers - one below and one into the base of the Ojo Alamo @ 778'. 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.

February 23, 2006

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 42 sx Type III cement with 0.25 pps Celloflake, 3% CaCl. (54cu 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 107 sx (228cu 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 90sx (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 352 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~~ ^{BOP} to 600 psi/30 min.

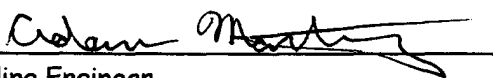
Completion - 6" 2000 psi (minimum) double gate BOP stack (Reference Figure #2). Prior to completion operations, test rams and casing to 1500 psi/30 min.

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:

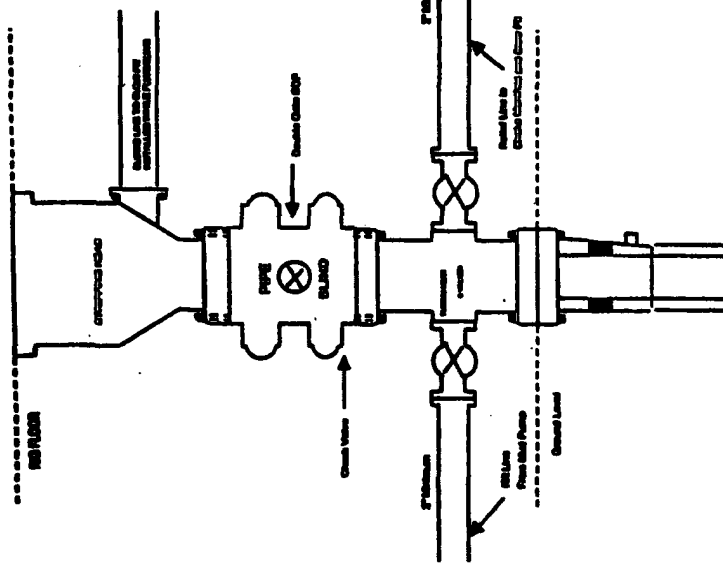
- * The Fruitland Coal and Pictured Cliffs formations will be completed.
- * Anticipated pore pressure for the Fruitland is between 600 - 700 psi.
- * This gas is dedicated.
- * The northwest quarter of section 29 is dedicated to Pictured Cliffs and north half is dedicated to Fruitland ~~Sands~~ ^{Coal}. ^{PC}
- * New casing will be utilized.
- * Pipe movement (either rotation or reciprocation) will be done if hole conditions permit.


Drilling Engineer

2/27/2006
Date

BURLINGTON RESOURCES

Completion/Workover Rig
BOP Configuration
2,000 psi System

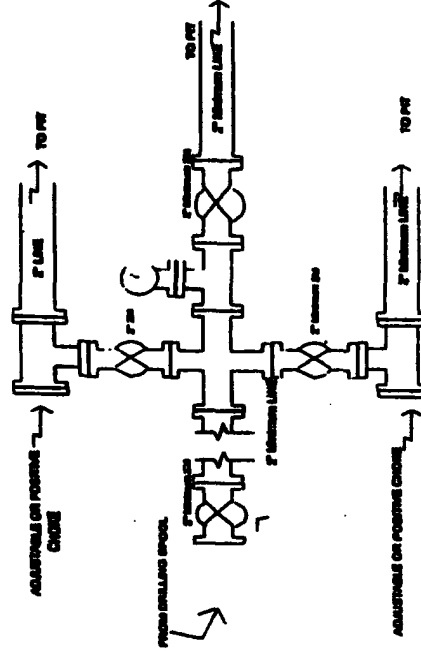


Minimum BOP Installation for all Completion/Workover Operations. 7-1/16" bore, 2000 psi minimum working pressure double gate BOP to be equipped with blind and pipe rams. A stripping head to be installed on the top of the BOP. All BOP equipment is 2000 psi working pressure or greater excluding 600 psi stripping head.

Figure #2

BURLINGTON RESOURCES

Drilling Rig
Choke Manifold Configuration
2000 psi System

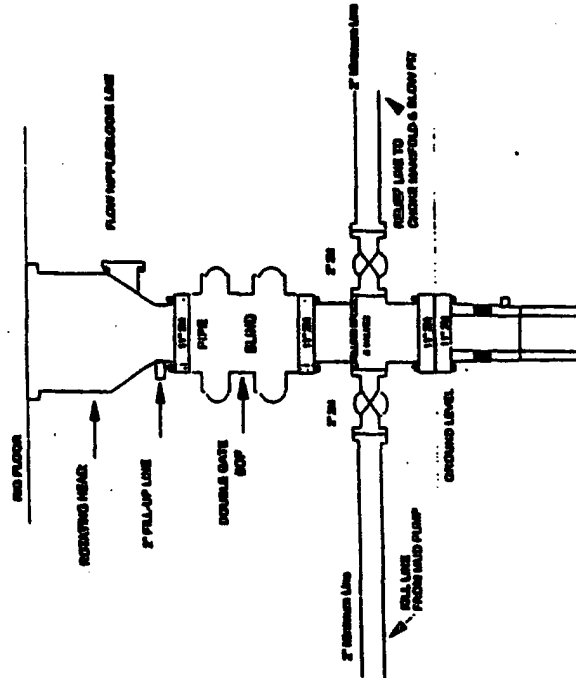


Choke manifold installation from Surface Casing Point to Total Depth. 2,000psi working pressure equipment with two chokes.

Figure #3

Burlington Resources

Drilling Rig
2000 psi System



BOP Installation from Surface Casing Point to Total Depth. 1 1/2" Bore 50" minimum. 2000 psi working pressure double gate BOP to be equipped with blind rams and pipe rams. A 600 psi stripping head on top of ram prevention. All BOP equipment is 2,000 psi working pressure.

Figure #1