

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work
DRILL

1b. Type of Well
GAS

2. Operator
BURLINGTON
RESOURCES Oil & Gas Company

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

4. Location of Well
Unit I (NESE), 1577' FSL, 1289' FEL

Latitude 36° 46' 47.56"N
Longitude 107° 46' 53.27"W

5. Lease Number
NMSF-078128
Unit Reporting Number

6. If Indian, All. or Tribe

7. Unit Agreement Name

8. Farm or Lease Name
Turner

9. Well Number
#251S

10. Field, Pool, Wildcat
Basin Fruitland Coal

11. Sec., Twn, Rge, Mer. (NMPM)
I Sec. 28, T30N, R9W
API # 30-045-33839

12. County
San Juan

13. State
NM

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

15. Distance from Proposed Location to Nearest Property or Lease Line
577'

16. Acres in Lease

17. Acres Assigned to Well
320 E2

18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease
154' - Turner #1A

19. Proposed Depth
2762'

20. Rotary or Cable Tools
Rotary

21. Elevations (DF, FT, GR, Etc.)
5872' GL

22. Approx. Date Work will Start

23. Proposed Casing and Cementing Program
See Operations Plan attached

24. Authorized by: Amanda Simola
Regulatory Analyst

Date 7/6/06

PERMIT NO.

APPROVAL DATE

APPROVED BY [Signature]

TITLE APU

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., Aztec, NM 87410

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045- 33839		² Pool Code 71629	³ Pool Name BASIN (FRUITLAND COAL)
⁴ Property Code 7600	⁵ Property Name TURNER		⁶ Well Number 251 S
⁷ UGRID No. 14538	⁸ Operator Name BURLINGTON OIL AND GAS COMPANY LP		⁹ Elevation 5872.0'

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
I	28	30-N	09-W		1577	SOUTH	1289	EAST	SAN JUAN

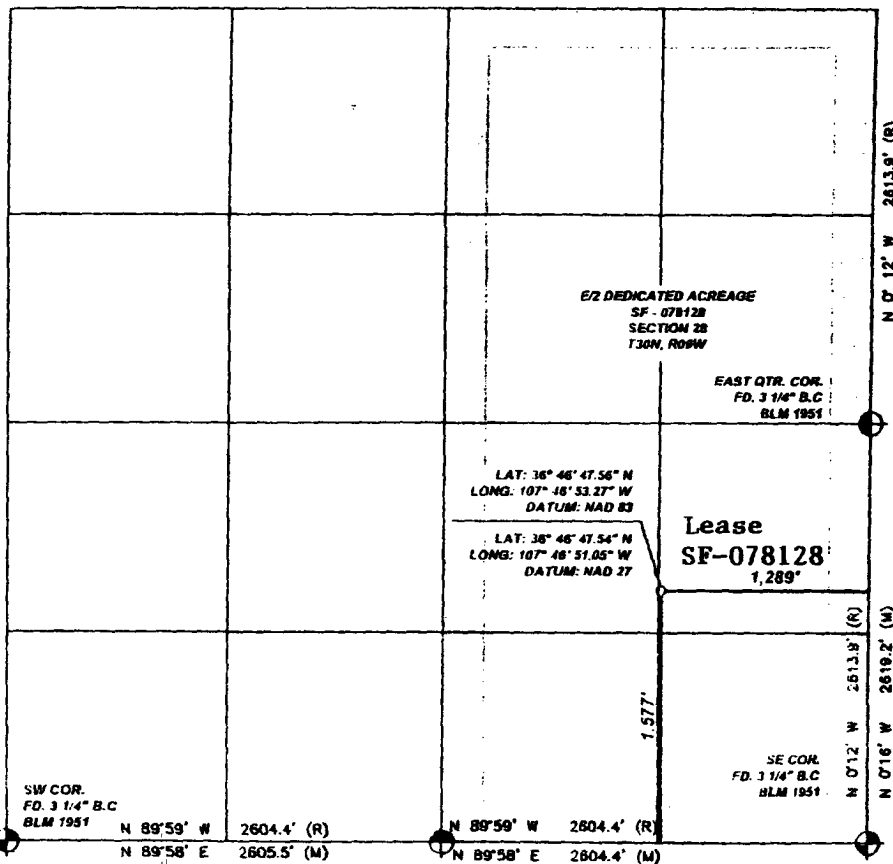
¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
I									

¹² Dedicated Acres 320.0	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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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

¹⁷ 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 unleased 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 heretofore entered by the division.

Signature

Patsy Clugston
Printed Name

Sr. Regulatory Specialist

Title and E-mail Address pclugston@br-inc.com

6/9/2006

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.

Date of Survey 5/02/06

Signature and Seal of Professional Surveyor

Certificate Number: NM 11303

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

Form C-103

May 27, 2004

OIL CONSERVATION DIVISION

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

WELL API NO.

30-045-33839

5. Indicate Type of Lease

STATE ☐

FEE ☐

6. State Oil & Gas Lease No.

7. Lease Name or Unit Agreement Name

Turner

8. Well Number

#251S

9. OGRID Number

14538

10. Pool name or Wildcat

Basin Fruitland Coal

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 I

: 577

feet from the

South

line and

1289

feet from the

East

line

Section 28

Township 30N

Rng 9W

NMPM

County

San Juan

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

Pit or Below-grade Tank Application

☐ or Closure ☐

Pit type New Drill

Depth to Groundwater

> 100

Distance from nearest fresh water well

>1000

Distance from nearest surface water

5200
<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:

Workover Pit ☒

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐

ALTERING CASING ☐

COMMENCE DRILLING OPNS. ☐

P AND A ☐

CASING/CEMENT JOB ☐

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 drill pit. Based on Burlington's interpretation of the Ecosphere's risk ranking criteria, the new drill 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. Burlington Resources anticipates closing the pit according to the Drilling / Workover Pit Closure Procedure dated August 2, 2004 on file at the NMOCD office.

On this new drill, a vent/flare pit may be the only pit that will be required. Under this circumstance, a portion of this vent/flare pit will be designed to manage fluids, and that portion will be lined, as per the risk ranking criteria.

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

Joni Clark

TITLE

Regulatory Analyst

DATE

7/5/2006

Type or print name

Joni Clark

E-mail address:

jclark@br-inc.com

Telephone No.

505-326-9701

For State Use Only

APPROVED BY

[Signature]

TITLE

DEPUTY OIL & GAS INSPECTOR, DIST. 4

DATE

JUL 20 2006

Conditions of Approval (if any):

CHENAULT CONSULTING INC.

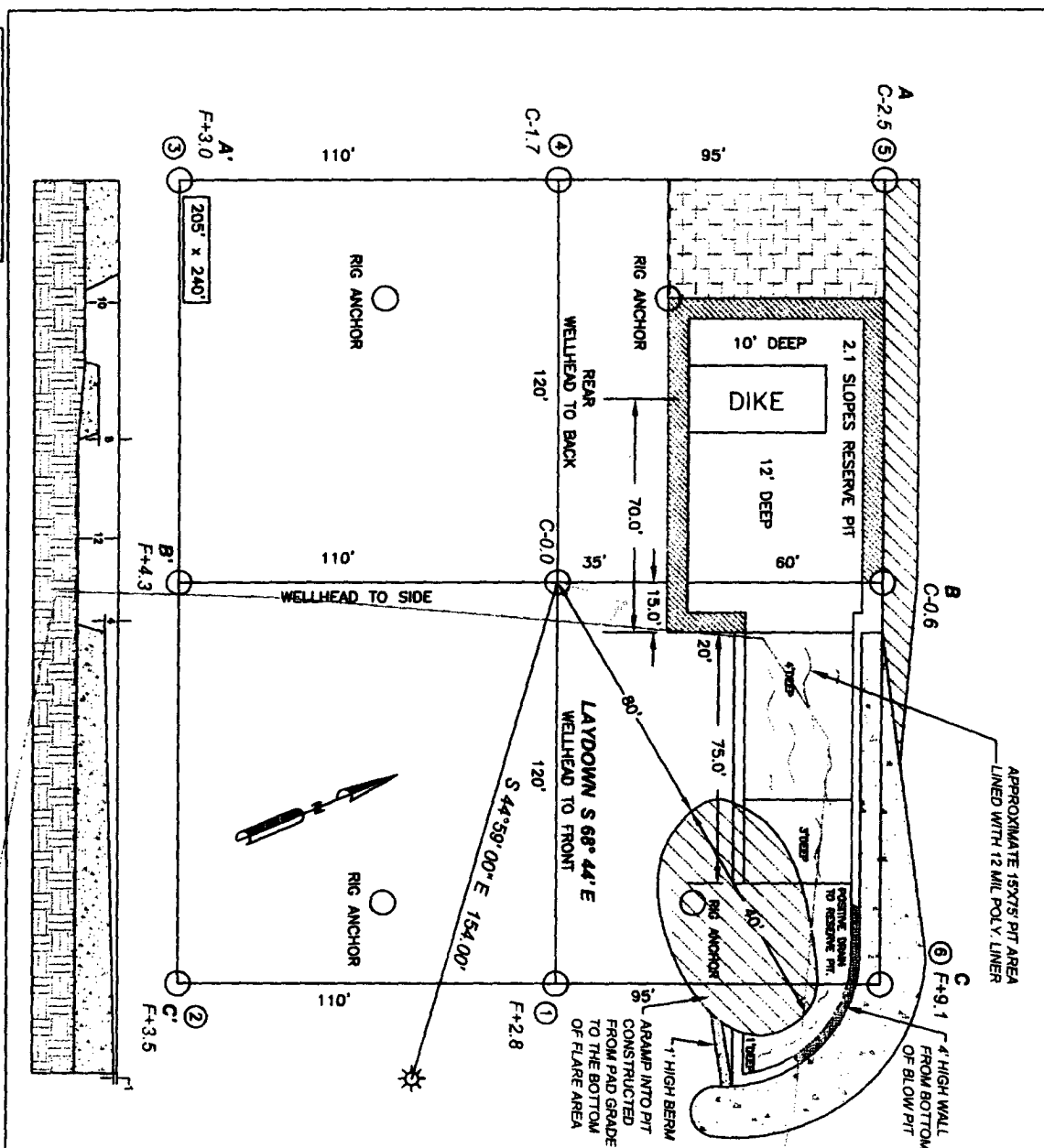
1300 W. BROADWAY
BLOOMFIELD, NM, 87413
PHONE: (505) 832-7777

NAD 83 LAT.: 36° 46' 47.56" N LONG.: 107° 46' 53.27" W

三

PIT CROSS SECTION

50' CONSTRUCTION ZONE



BURLINGTON RESOURCES OIL & GAS COMPANY LP

TURNER 251S

1,578' FSL, 1,306' FEL

SECTION 28, T30N, R09W,

SAN JUAN COUNTY, NEW MEXICO

GROUND ELEV.: 5,873.5' NAVD88

DATE: MAY 3, 2006

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

BURLINGTON RESOURCES OIL & GAS COMPANY LP

TURNER 251S
1578' FSL, 1306' FEL
SECTION 28, T30N, R09W, N.M.P.M.,
SAN JUAN COUNTY, NEW MEXICO
ELEV.: 5873.5' NADV88

A - A'

C/L

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

5890

5880

5870

5860

150'

100'

50'

0

50'

100'

150'

B - B'

C/L

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

5890

5880

5870

5860

150'

100'

50'

0

50'

100'

150'

C - C'

C/L

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

5890

5880

5870

5860

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

CCI

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

CHENAULT CONSULTING INC.

OPERATIONS PLAN

Well Name: Turner #251S
 Location: Unit I, 1577' FSL & 1289' FEL, Section 28, T30N, R9W
 San Juan County, New Mexico
 Latitude 36° 46' 47.56"N Longitude 107° 46' 53.27" W
 Formation: Basin Fruitland Coal
 Elevation: 5872' GR

Formation:	Top	Bottom	Contents
Ojo Alamo	1422'	1474'	aquifer
Kirtland	1474'	2234'	gas
T/Fruitland	2234'	2562'	gas
Pictured Cliffs	2562'		
Total Depth	2762'		

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
	120-2762'	Non-dispersed	8.4-9.5	30-60	no control

Casing Program:	Hole Size	Depth Interval	Csg.Size	Wt.
Grade				
8 3/4 "		0 - 120'	7"	20.0#
J-55				
6 1/4 "		0 - 2762'	4 1/2"	10.5#
J/K-55				

Tubing Program:			
J-55	0 - 2762'	2 3/8"	4.7#

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 @ 1422'. Two turbolizing type centralizers - one below and one into the base of the Ojo Alamo @ 1422'. 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.

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 ²⁴42 sx Type III cement with 0.25 pps Celloflake, 3% CaCl. (54 cu ft of slurry @ ^{21.121}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 Lead (301 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 425 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.

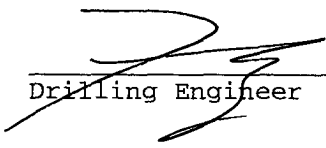
Completion - 6" 2000 psi (minimum) double gate BOP stack (Reference Figure #2). Prior to completion operations, test rams and casing to 1500 psi/30 min.

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:

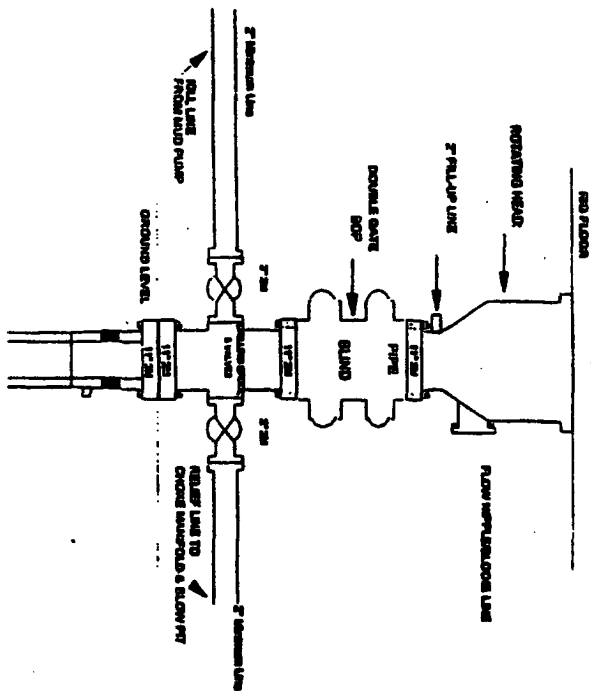
- * The Fruitland Coal formation will be completed.
- * Anticipated pore pressure for the Fruitland Coal is 600 - 700 psi.
- * This gas is dedicated.
- * The east half of section 28 is dedicated to the Fruitland Coal.
- * New casing will be utilized.
- * Pipe movement (either rotation or reciprocation) will be done if hole conditions permit.


Drilling Engineer

23, June 2006
Date

Burlington Resources

Drilling Rig 2000 psi System



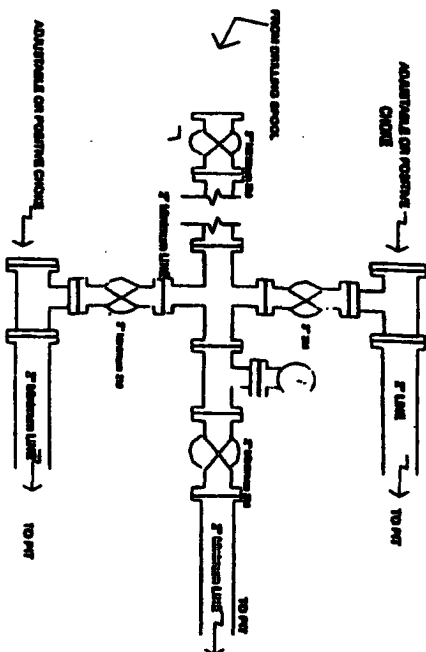
BOP installation from Surface Casing Point to Total Depth. 11\"/>

Figure #1

4-28-01

BURLINGTON RESOURCES

Drilling Rig Choate Manifold Configuration 2000 psi System



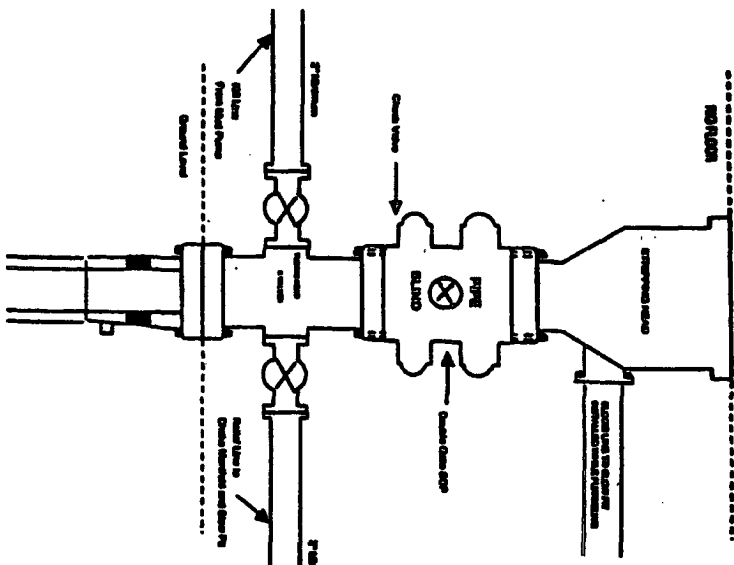
Choate manifold installation from Surface Casing Point to Total Depth. 2,000psi working pressure equipment with two choates.

Figure #3

4-20-01

BURLINGTON RESOURCES

Completion/Workover Rig BOP Configuration 2,000 psi System



Minimum BOP installation for all Completion/Workover Operations. 7-1/16\"/>

Figure #2