## **UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT**

| 1a.                                     | Type of Work 2004 DEG 7 7   | 5. Lease Number  |
|---|---|--|
|   | DRTI.I.   | MSF-03493  |
|   | RECEIV  | Unit Reporting Number  |
|   | 070 FARMING   | TOUR   |
| 1b.                                     | Type of Well  | 6. If Indian, All. or Tribe  |
|   | GAS 30 711 1 2  |  |
|   | 3930310.523   |  |
| 2.                                      | Operator 4  | 7. Unit Agreement Name   |
|   | BURLINGTON AN 30  | <u> </u>   |
|   | RESOURCES Oil & Gas Company O   | 5 Ođjuerfano Unit  |
|   |   | ) ပြ   |
| 3.                                      | Address & Phone No. of Operator   | Farm or Lease Name   |
|   | PO Box 4289, Farmington, NM 27499   | Huerfano Unit  |
|   |   | 9. Well Number   |
|   | (505) 326-9700  | #163E  |
|   | Will All All All All All All All All All  | 40 Field David Mills (   |
| 4.                                      | Location of Well  | 10. Field, Pool, Wildcat   |
|   | 1145' FNL, 260' FEL   | Basin Dakota   |
|   | Latitude 36° 28.6765'N, Longitude 107° 49.  | 11. Sec., Twn, Rge, Mer. (NMPM)  |
|   | Latitude 36° 20.0703 N, Longitude 107° 49.  | API # 30-045-  |
|   |   | 32747  |
| 14.                                     | Distance in Miles from Nearest Town   | 12. County 13. State   |
|   | 18.6 miles intersection Hwy 550 & 64  | San Juan NM  |
|   |   |  |
|   |   |  |
| 15.                                     | Distance from Proposed Location to Nearest Property or Le   | ease Line  |
|   | 260'  |  |
|   |   | ease Line  17. Acres Assigned to Well  DK 320 E/2  |
| 16.                                     | 260' Acres in Lease   | 17. Acres Assigned to Well DK 320 E/2  |
| 16.                                     | 260' Acres in Lease  Distance from Proposed Location to Nearest Well, Drlg, Col   | 17. Acres Assigned to Well DK 320 E/2  |
| 16.<br>18.                              | 260' Acres in Lease  Distance from Proposed Location to Nearest Well, Drlg, Col 1855'   | 17. Acres Assigned to Well  DK 320 E/2  mpl, or Applied for on this Lease  |
| 16.<br>18.                              | 260' Acres in Lease  Distance from Proposed Location to Nearest Well, Drlg, Col 1855' Proposed Depth  | 17. Acres Assigned to Well  DK 320 E/2  mpl, or Applied for on this Lease  20. Rotary or Cable Tools   |
| 16.<br>18.                              | 260' Acres in Lease  Distance from Proposed Location to Nearest Well, Drlg, Col 1855'   | 17. Acres Assigned to Well  DK 320 E/2  mpl, or Applied for on this Lease  |
| 16.<br>18.<br>19.                       | 260' Acres in Lease  Distance from Proposed Location to Nearest Well, Drlg, Col 1855' Proposed Depth  | 17. Acres Assigned to Well  DK 320 E/2  mpl, or Applied for on this Lease  20. Rotary or Cable Tools   |
| 16.<br>18.<br>19.                       | 260' Acres in Lease  Distance from Proposed Location to Nearest Well, Drlg, Con 1855' Proposed Depth 6837'  | 17. Acres Assigned to Well  DK 320 E/2  mpl, or Applied for on this Lease  20. Rotary or Cable Tools  Rotary                                 |
| 16.<br>18.<br>19.                       | 260' Acres in Lease  Distance from Proposed Location to Nearest Well, Drlg, Col 1855' Proposed Depth 6837'  Elevations (DF, FT, GR, Etc.) 6505' GR  | 17. Acres Assigned to Well  DK 320 E/2  mpl, or Applied for on this Lease  20. Rotary or Cable Tools  Rotary                                 |
| 16.<br>18.<br>19.                       | 260' Acres in Lease  Distance from Proposed Location to Nearest Well, Drlg, Col 1855' Proposed Depth 6837'  Elevations (DF, FT, GR, Etc.) 6505' GR  Proposed Casing and Cementing Program   | 17. Acres Assigned to Well  DK 320 E/2  mpl, or Applied for on this Lease  20. Rotary or Cable Tools  Rotary                                 |
| 16.<br>18.<br>19.                       | 260' Acres in Lease  Distance from Proposed Location to Nearest Well, Drlg, Col 1855' Proposed Depth 6837'  Elevations (DF, FT, GR, Etc.) 6505' GR  | 17. Acres Assigned to Well  DK 320 E/2  mpl, or Applied for on this Lease  20. Rotary or Cable Tools  Rotary                                 |
| 16.<br>18.<br>19.                       | 260' Acres in Lease  Distance from Proposed Location to Nearest Well, Drlg, Col 1855' Proposed Depth 6837'  Elevations (DF, FT, GR, Etc.) 6505' GR  Proposed Casing and Cementing Program   | 17. Acres Assigned to Well  DK 320 E/2  mpl, or Applied for on this Lease  20. Rotary or Cable Tools  Rotary                                 |
| 16.<br>18.<br>19.                       | 260' Acres in Lease  Distance from Proposed Location to Nearest Well, Drlg, Col 1855' Proposed Depth 6837'  Elevations (DF, FT, GR, Etc.) 6505' GR  Proposed Casing and Cementing Program   | 17. Acres Assigned to Well  DK 320 E/2  mpl, or Applied for on this Lease  20. Rotary or Cable Tools  Rotary                                 |
| 16.<br>18.<br>19.<br>21.                | Distance from Proposed Location to Nearest Well, Drlg, Col 1855' Proposed Depth 6837'  Elevations (DF, FT, GR, Etc.) 6505' GR  Proposed Casing and Cementing Program See Operations Plan attached   | 17. Acres Assigned to Well  DK 320 E/2  mpl, or Applied for on this Lease  20. Rotary or Cable Tools  Rotary                                 |
| 16.<br>18.<br>19.                       | Distance from Proposed Location to Nearest Well, Drlg, Col 1855' Proposed Depth 6837'  Elevations (DF, FT, GR, Etc.) 6505' GR  Proposed Casing and Cementing Program See Operations Plan attached  Authorized by:                               | 17. Acres Assigned to Well  DK 320 E/2  mpl, or Applied for on this Lease  20. Rotary or Cable Tools  Rotary                                 |
| 16.<br>18.<br>19.<br>21.                | Distance from Proposed Location to Nearest Well, Drlg, Col 1855' Proposed Depth 6837'  Elevations (DF, FT, GR, Etc.) 6505' GR  Proposed Casing and Cementing Program See Operations Plan attached   | 17. Acres Assigned to Well  DK 320 E/2  mpl, or Applied for on this Lease  20. Rotary or Cable Tools  Rotary                                 |
| 16.<br>18.<br>19.<br>21.<br>23.         | Distance from Proposed Location to Nearest Well, Drlg, Col 1855' Proposed Depth 6837'  Elevations (DF, FT, GR, Etc.) 6505' GR  Proposed Casing and Cementing Program See Operations Plan attached  Authorized by: Regulatory Specialist         | 17. Acres Assigned to Well DK 320 E/2  mpl, or Applied for on this Lease  20. Rotary or Cable Tools Rotary  22. Approx. Date Work will Start |
| 16.<br>18.<br>19.<br>21.<br>23.         | Distance from Proposed Location to Nearest Well, Drlg, Col 1855' Proposed Depth 6837'  Elevations (DF, FT, GR, Etc.) 6505' GR  Proposed Casing and Cementing Program See Operations Plan attached  Authorized by: Regulatory Specialist  APPROV | 17. Acres Assigned to Well  DK 320 E/2  mpl, or Applied for on this Lease  20. Rotary or Cable Tools  Rotary                                 |
| 16.<br>18.<br>19.<br>21.<br>23.<br>PERM | Distance from Proposed Location to Nearest Well, Drlg, Col 1855' Proposed Depth 6837'  Elevations (DF, FT, GR, Etc.) 6505' GR  Proposed Casing and Cementing Program See Operations Plan attached  Authorized by: Regulatory Specialist         | 17. Acres Assigned to Well DK 320 E/2  mpl, or Applied for on this Lease  20. Rotary or Cable Tools Rotary  22. Approx. Date Work will Start |

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 precedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4

DISTRICT I 1625 M. French Dr., Hobbs, M.M. 88248

# State of New Mexico Ruergy, Minerals & Hatural Resources Department

Form C-102 Revised August 15, 2000

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

DISTRICT III 1000 Rio Brazos Rd., Aziec, N.M. 87410 OIL CONSERVATION DIVISION 2040 South Pacheco

Santa Fe, NM 87505

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

DISTRICT IV 2040 South Pacheco, Santa Fe. NM 87505 ☐ AMENDED REPORT

# WELL LOCATION AND ACREAGE DEDICATION PLAT

| 30-045- 327                | 2/07   | *Pool Code | <sup>3</sup> Pool Name |      |
|----------------------------|--|------------|------------------------|------|
| 30-045- <i>ろと</i> /        | 4/   | 7.1599     | Basin Dakota           |      |
| <sup>4</sup> Property Code | ty Code Property Name  |            | * Vell Number          |      |
| 7139                       |  | HUERFA     | NO UNIT                | 163E |
| OGRID No.                  | **Operator Name  BURLINGTON RESOURCES OIL AND GAS COMPANY LP |            | * Elevation            |      |
| 14538                      |  |            | 6505'                  |      |
|                            |  | 10 Surf    | ace Location           |      |

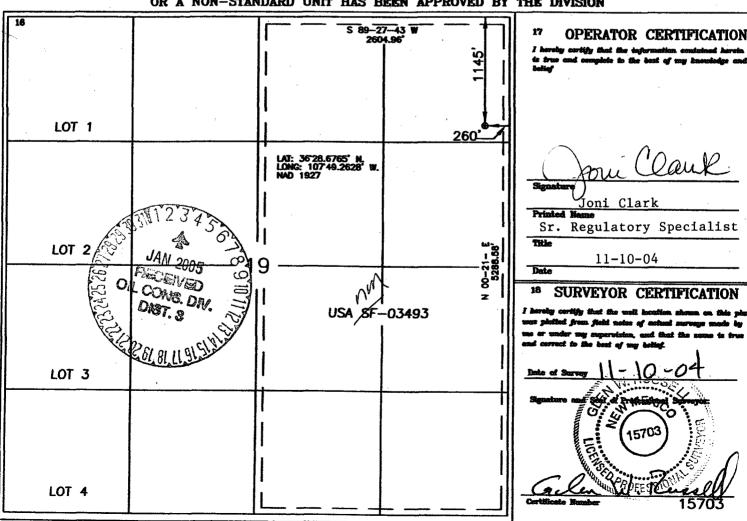
Lot like Feet from the Morth/South line Peet from the Rest/Vest line UL or lot no. Section Township 19 26-N 9-W 1145 **NORTH** 260 **EAST** SAN JUAN Α <sup>11</sup> Bottom Hole Location If Different From Surface

UL or lot no. Section Township Range Lot idn Feet from the Morth/South line Feet from the Rant/West line County

Dedicated Acres.

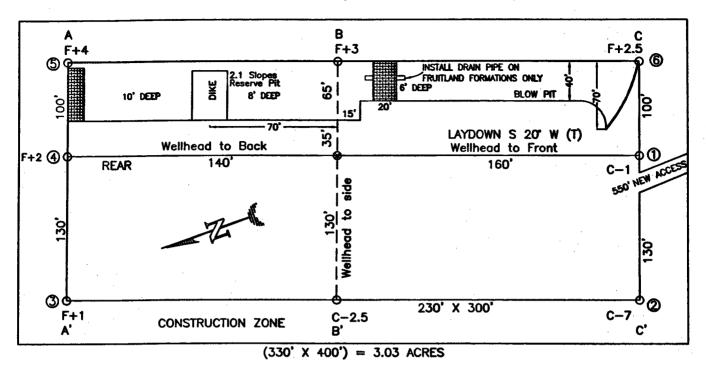
E/2 320 acres

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

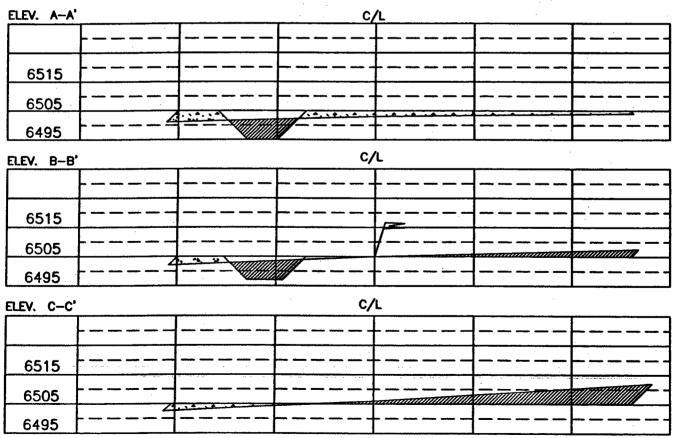


| Submit 3 Copies To Appropriate District Office    | State of New Mexico                               | )  | Form C-103                   |
|---|---|--|------------------------------|
| District I  | Energy, Minerals and Natural Res                  | sources  | May 27, 2004                 |
| 1625 N. French Dr., Hobbs, NM 88240               |   | WELL API NO.   | 20.045                       |
| District II 1301 W. Grand Ave., Artesia, NM 88210 | OIL CONSERVATION DIV                              | ISION 5. Indicate Type of Lea                          | 30-045-                      |
| District III                                      | 1220 South St. Francis Dr                         | 7 - 7 - 7 - 7 - 7 - 7 - 7 - 7 - 7 - 7 -                | FEE                          |
| 1000 Rio Brazos Rd., Aztec, NM 87410              | Santa Fe, NM 87505                                | 6. State Oil & Gas Leas                                | e No.                        |
| District IV                                       | •   |  |                              |
| 1220 S. St. Francis Dr., Santa Fe, NM 875         | CES AND REPORTS ON WELLS                          | 7. Lease Name or Unit A                                | G-03493                      |
|   | S TO DRILL OR TO DEEPEN OR PLUG BACK TO A         | 7. Lease Name of Omit A                                | Agreement Ivaine             |
| DIFFERENT RESERVOIR. USE "APPLICATI               | ON FOR PERMIT" (FORM C-101) FOR SUCH              | Hue  | rfano Unit                   |
| PROPOSALS.)                                       |   | 8. Well Number   |                              |
| 1. Type of Well: Oil Well Gas Well X              | Other   | 8. Well Number   | 163E                         |
| 2. Name of Operator                               |   | 9. OGRID Number  | 1002                         |
| BURLINGTON RESC                                   | OURCES OIL & GAS COMPANY LP                       |  | 14538                        |
| 3. Address of Operator                            | DEET EADAMNICTON NRA 97402                        | 10. Pool name or Wilder                                |                              |
| 4. Well Location                                  | REET, FARMINGTON, NM 87402                        | Bas  | in Dakota                    |
|   |   | e and 260 feet from the                                | E <u>East</u> line           |
| Section 19  | Township 26N Range                                |  | County San Juan, NM          |
| 11.   | Elevation (Show whether DR, RKB, RT, GR           | , etc.)  |                              |
| Pit or Below-grade Tank Application               | X or Closure                                      | 223003300303   |                              |
| Pit type New Drill Depth to Grounds               | water > 100' Distance from nearest fresh wate     | r well >1000' Distance from 1                          | nearest surface water >1000' |
| Pit Liner Thickness:                              | mil Below-Grade Tank: Volume                      | bbls; Construction M                                   |                              |
| 12 Charle   | Annuarieta Pou ta Indianta Natur                  | of Nation Report on Other                              | D-4-                         |
|   | Appropriate Box to Indicate Nature NTENTION TO:   | · · · · · · · · · · · · · · · · · · ·                  |                              |
| PERFORM REMEDIAL WORK                             | r 1   | SUBSEQUENT RI<br>REMEDIAL WORK                         | ALTERING CASING              |
| TEMPORARILY ABANDON                               | [   | COMMENCE DRILLING OPNS.                                | PANDA                        |
| PULL OR ALTER CASING                              | MULTIPLE COMPL                                    | CASING/CEMENT JOB                                      |                              |
| OTHER: New  | v Drill   | OTHER:   | П                            |
|   | ted operations. (Clearly state all pertinent deta |  | ng estimated date            |
| of starting any proposed work                     | c). SEE RULE 1103. For Multiple Completion        |  |                              |
| or recompletion.                                  |   |  |                              |
|   |   |  |                              |
|   |   |  |                              |
|   |   |  |                              |
|   |   |  |                              |
|   |   |  |                              |
| Burlington Resources proposes to c                | onstruct a new drilling pit and an associated b   | low/flare pit. Based on Burlington'                    | s interpretation of the      |
|   | e new drilling pit and blow/flare pit will be an  |  |                              |
|   | tion Procedures dated November 11, 2004 on        |  |                              |
|   | portion will be unlined, as per the risk rankin   |  | icipates closing these pits  |
| according to the Drilling / Workove               | r Pit Closure Procedure dated August 2, 2004      | on tile that the NMOCD office.                         |                              |
|   |   |  |                              |
|   |   |  |                              |
|   |   |  |                              |
|   |   |  |                              |
|   |   |  |                              |
| I hereby certify that the information ab          | ove is true and complete to the best of my kn     | owledge and belief. I further certify th               | at any pit or below-         |
| grade tank has been/will be constructed or clo    | sed according to NMOCD guidelines, a general      | permit X or an (attached) alternative (                | CD-approved plan             |
| SIGNATURE ( ) Trui                                | _   |  |                              |
| SIGNATURE TO WE                                   | Coall TITLE                                       | Cr. Dogulatory Consistint                              | DATE 11/24/2004              |
|   | Clark TITLE                                       | Sr. Regulatory Specialist                              | DATE 11/24/2004              |
|   | ni Clarky E-mail address:                         | Sr. Regulatory Specialist  iclark@br-inc.com  Telephon |                              |
| Type or print name  For State Use Only            | ni Clark E-mail address:                          | iclark@br-inc.com Telephon                             | e No. 326-9700               |
| For State Use Only                                | ni Clark? E-mail address:                         |  |                              |
|   | ni Clark E-mail address:                          | iclark@br-inc.com Telephon                             | e No. 326-9700               |

# BURLINGTON RESOURCES OIL & GAS COMPANY LP HUERFANO UNIT 163E, 1145' FNL & 260' FEL SECTION 19, T\_26-N, R-9-W, NMPM, SAN JUAN COUNTY, NM GROUND ELEVATION: 6505', DATE: OCTOBER 6, 2004



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: VECTOR SURVEYS IS NOT LIABLE FOR UNDERGROUNG 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 AT LEAST TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION.

#### OPERATIONS PLAN

Well Name: Huerfano Unit #163E

Location: 1145'FNL, 260' FEL, Section 19, T-26-N, R-09-W

San Juan County, New Mexico

Latitude 36° 28.68, Longitude 107° 49.26

**Formation:** Basin Dakota

Elevation: 6837'GL

| Formation Tops:      | Top           | <u>Bottom</u> | <b>Contents</b> |
|----------------------|---------------|---------------|-----------------|
| Surface              | San Jose      | 1199'         |                 |
| Ojo Alamo            | 1199'         | 1344'         | aquifer         |
| Kirtland             | 1344'         | 1917'         | gas             |
| Fruitland            | 1917 <b>′</b> | 2094′         |                 |
| Pictured Cliffs      | 2094'         | 2187'         | gas             |
| Lewis                | 2187 <b>′</b> | 2502 <b>'</b> | gas             |
| Intermediate TD      | 2287′         |               |                 |
| Huerfanito Bentonite | 2502 <b>′</b> | 2962 <b>′</b> | gas             |
| Chacra               | 2962 <b>'</b> | 3712'         | gas             |
| Cliff House          | 3712 <b>′</b> | 3729 <b>′</b> |                 |
| Menefee              | 3729 <b>′</b> | 4502 <b>'</b> | gas             |
| Point Lookout        | 4502'         | 4767 <b>′</b> | gas             |
| Mancos               | 4767 <b>′</b> | 5564 <b>′</b> | gas             |
| Gallup               | 5564 <b>′</b> | 6433 <b>′</b> | gas             |
| Greenhorn            | 6433'         | 6486'         | gas             |
| Graneros             | 6486'         | 6516'         | gas             |
| Two Wells            | 6516 <b>′</b> | 6606 <b>′</b> |                 |
| Paguate              | 6606 <b>′</b> | 6664 <b>′</b> |                 |
| Cubero               | 6664 <b>′</b> | 6715 <b>′</b> |                 |
| Encinal Canyon       | 6715 <b>′</b> | 6797 <b>′</b> |                 |
| Morrison             | 6797 <b>′</b> |               | gas             |
| TD                   | 6837 <i>'</i> |               | _               |

#### Logging Program:

Mud Logs/Coring/DST -

Mud logs - from 6333' to TD

Coring - none
DST - none
Open hole - none

Cased hole - Gamma Ray - surface to TD

#### Mud Program:

| Interval           | Type                  | Weight  | Vis.  | Fluid Loss |
|--------------------|-----------------------|---------|-------|------------|
| 0-300+320          | Spud MUD/Air/Air Mist | 8.4-9.0 | 40-50 | no control |
| 300- 6837 <b>′</b> | LSND                  | 8.4-9.0 | 30-60 | no control |

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

| Hole Size | Depth Interval | Csg.Size Wt.                        | Grade |
|-----------|----------------|-------------------------------------|-------|
| 12 1/4"   | 0' - 300' 300  | 8 5/8" 3 <del>2.3</del> # <b>32</b> | J-55  |
| 7 7/8"    | 0' - 6837'     | 4 1/2" 10.5#                        | J-55  |

**Tubing Program:** 0' - 6837' 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, rams 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, rams 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 -

8 5/8" x 4  $\frac{1}{2}$ " 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:

8 5/8" surface casing conventionally drilled Cement with 290 sacks Type III cement with 0.25 pps Celloflake, 3% calcium chloride.
(200% excess, bring cement to 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.

Saw tooth guide shoe on bottom. Bowspring centralizers will be run in accordance with Onshore Order #2.

#### 4 1/2" Production Casing Two Stage -

Stage collar set @ 4425'. First Stage: Lead with w/291 sacks Premium Lite cmt w/3% calcium chloride, 0.4% sodium metasilicate, 0.25 pps celloflake, 5 pps LCM-1 and 0.4% FL-52. Tail w/75 sacks Premium Lite HS FM cmt w/0.25 pps celloflake, 0.3% CD-32, 6.25 pps LCM-1 and 1% FL-52. Second Stage: 664 sacks Premium Lite cmt w/3% calcium chloride, 0.4% metasilicate, 0.25 pps celloflake, 5 pps LCM-1 and 0.4% FL-52. (2173 cu ft - 40% excess, circulate to surface, run CBL/temperature survey if cement is not circulated to surface.)

Cement nose guide shoe on bottom with float collar spaced on top of shoe joint. Bowspring centralizers spaced every fourth joint off bottom, to the base of the Ojo Alamo @ 1344'. Two turbolating centralizers at the base of the Ojo Alamo 1344'. Bowspring centralizers spaced every fourth joint from the base of the Ojo Alamo to the base of the surface casing.

Note: If open hole logs are run, cement volumes will be based on 25% excess over caliper volumes.

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:

- The Dakota formation will be completed.
- No abnormal temperatures or hazards are anticipated.
- Anticipated pore pressures are as follows:

300 psi Fruitland Coal Pictured Cliffs 600 psi Mesa Verde 700 psi 2500 psi Dakota

- 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 east half of Section 19 is dedicated to the Dakota formation.

This gas is dedicated.

Sean Corrigin Plovember 29, 2004

Completion/Workover Rig BOP Configuration 2,000 psi System

**Burlington Resources** 

2000 psi System Orilling Rig

ADD PLOOP

PPILLUP LINE

ROTATING HEAD.

Drilling Rig Choke Menifold Configuration 2000 pel System

Choke manifold inetallation from Burface Cesting Point to Total Depth. 2,000pal working preseure equipment with two chokes.

70-07-9

Figure #1

Figure #3

pressure double gate BOP to be equipped with bilind and upe rame. A stripping heed to be installed on the top of

pressure or greater excluding 500 pel stripping head.

Figure #2

he BOP. All BOP equipment is 2000 pel working

Operations. 7-1/16" bore, 2000 pel minimum working

Minimum BOP installation for all Completion/Worker

4-20-01