

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

| | | |
|------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|
| 1a. Type of Work DRILL | 2007 APR 20 PM 3 55 RECEIVED 070 FARMINGTON NM | 5. Lease Number USA SF-078244 Unit Reporting Number |
| 1b. Type of Well GAS | 6. If Indian, All. or Tribe | |
| 2. Operator BURLINGTON RESOURCES Oil & Gas Company, LP | 7. Unit Agreement Name | |
| 3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700 | 8. Farm or Lease Name Nye Federal 9. Well Number #100 | |
| 4. Location of Well Surf: Unit M (SWSW), 1110' FSL & 715' FWL SURF: Latitude 36° 52.84128 N Longitude 108° 07.58409 W | 10. Field, Pool, Wildcat Basin Fruitland Coal/ Flora Vista Fruitland Sand 11. Sec., Twn, Rge, Mer. (NMPM) M Sec. 20, T31N, R12W API # 30-045-34272 | |
| 14. Distance in Miles from Nearest Town | 12. County San Juan | 13. State NM |
| 15. Distance from Proposed Location to Nearest Property or Lease Line 715' | | |
| 16. Acres in Lease | 17. Acres Assigned to Well FC/MS 308.79 (S/2) ES 192.84 | |
| 18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 210' from Nye Federal 1 | | |
| 19. Proposed Depth 2620' | 20. Rotary or Cable Tools Rotary | |
| 21. Elevations (DF, FT, GR, Etc.) 6098' GL | 22. Approx. Date Work will Start | |
| 23. Proposed Casing and Cementing Program See Operations Plan attached | | |
| 24. Authorized by: <u>Rhonda Rogers</u> Rhonda Rogers (Regulatory Technician) | 4-20-07 Date | |

PERMIT NO.

APPROVAL DATE

APPROVED BY [Signature]TITLE AFMDATE 5/17/07

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.

Example Master Plan Type 2

NMOC

b 5/18

NOTIFY AZTEC 24 HRS.
PRIOR TO GRouting & CEMENT

DISTRICT I
1625 N. French Dr., Hobbs, N.M. 88240

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

DISTRICT IV
2040 South Pacheco, Santa Fe, NM 87506

OIL CONSERVATION DIVISION

2040 South Pacheco
Santa Fe, NM 87505

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

| | | |
|-------------------------------------------|--------------------------------------------------------------|------------------------------------------------------------------------------|
| ¹ API Number 30-045 - 34272 | ² Pool Code 71629/76600 | ³ Pool Name BASIN (FRUITLAND COAL)/FLORA VISTA FRUITLAND (GAS) |
| ⁴ Property Code 7367 | ⁵ Property Name NYE FEDERAL | ⁶ Well Number 100 |
| ⁷ GRID No. 14538 | ⁸ Operator Name BURLINGTON RESOURCES O&G CO LP | ⁹ Elevation 6098' |

¹⁰ Surface Location

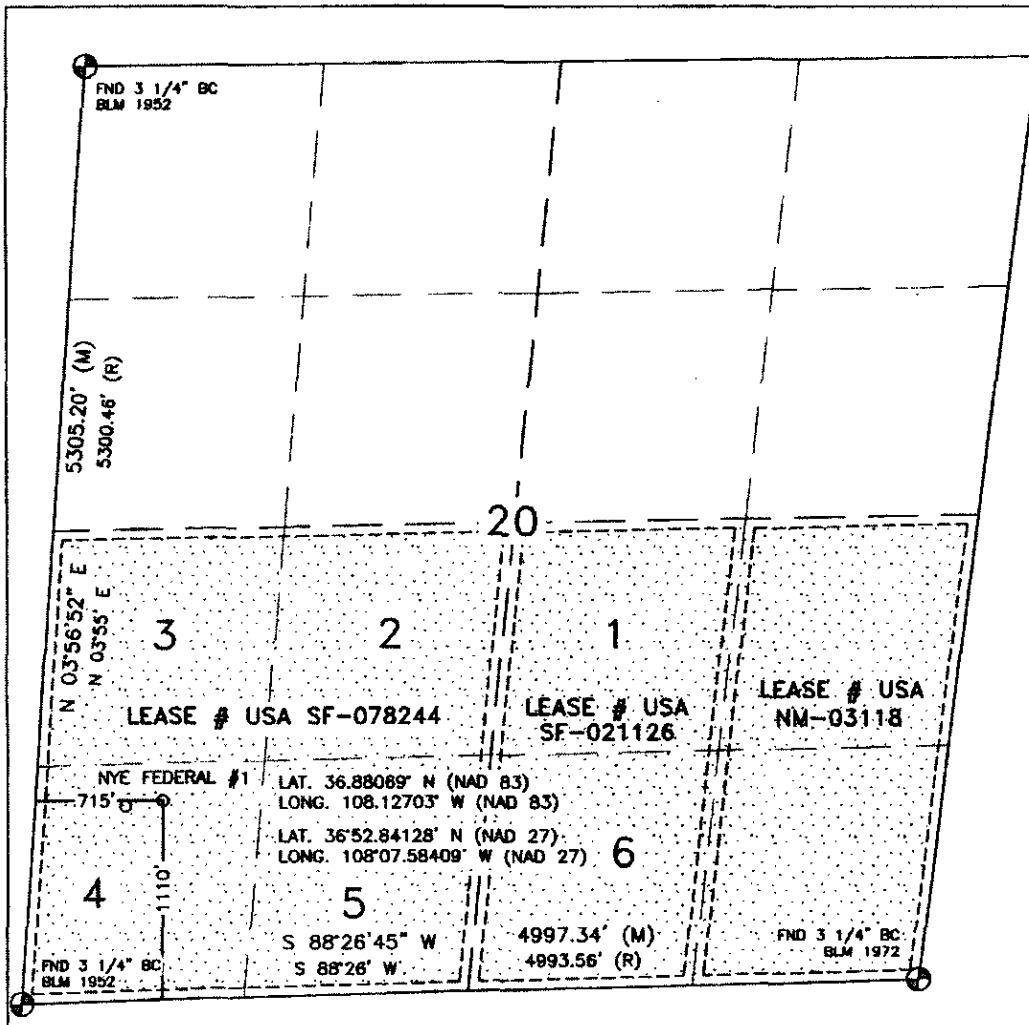
| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|----------|
| M | 20 | 31N | 12W | 4 | 1110' | SOUTH | 715' | WEST | 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 |
|------------------------------------------------------------------------|---------|----------|-------|---------|-------------------------------|------------------|----------------------------------|----------------|--------------------------------------------------------------------------|
| M | | | | | | | | | |
| ¹² Dedicated Acres FC 308.79 S/2 FS 152.84 S/2 SW 1/4 | | | | | ¹³ Joint or Infill | | ¹⁴ Consolidation Code | | ¹⁵ Order No. RCVD MAY 18 2007 OIL CONS. DIV. DIST. 3 |

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

Rhonda Rogers
Signature

Rhonda Rogers
Printed Name
Regulatory Technician

Title
4/12/07
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.

FEBRUARY 1, 2007

Date of Survey

Signature and Seal of Professional Surveyor:

David R. Russell

DAVID RUSSELL

Certificate Number 10201

Office

Energy, Minerals and Natural Resources

May 27, 2004

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

OIL CONSERVATION DIVISION

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

WELL API NO.

30-045- 34272

5. Indicate Type of Lease

STATE ☐FEE ☐

6. State Oil & Gas Lease No.

Federal Lease # USA SF-078244

7. Lease Name or Unit Agreement Name

Nye Federal

8. Well Number

#100

9. OGRID Number

14538

10. Pool name or Wildcat

Basin FC/FS

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 M : 1110' feet from the South line and 715' feet from the West line
Section 20 Township 31N Rng 12W NMPM County San Juan

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

6098'

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

Pit Liner Thickness:

N/A

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 ☐

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, Unlined:

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 and vent/flare pit will be an unlined 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 unlined, 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 Technician

DATE

4-11-07

Type or print name

Rhonda Rogers

E-mail address:

ogerrs@conocophillips.com

Telephone No.

505-599-4018

For State Use Only

APPROVED BY

TITLE

DEPUTY OIL & GAS INSPECTOR, DIST. 4

DATE

MAY 18 2007

Conditions of Approval (if any):

BURLINGTON RESOURCES O&G COLP

NYE FEDERAL #100

1110' FSL & 715' FWL

LOCATED IN THE SW/4 SW/4 OF

SECTION 20, T31N, R12W, N.M.P.M.,

SAN JUAN COUNTY, NEW MEXICO

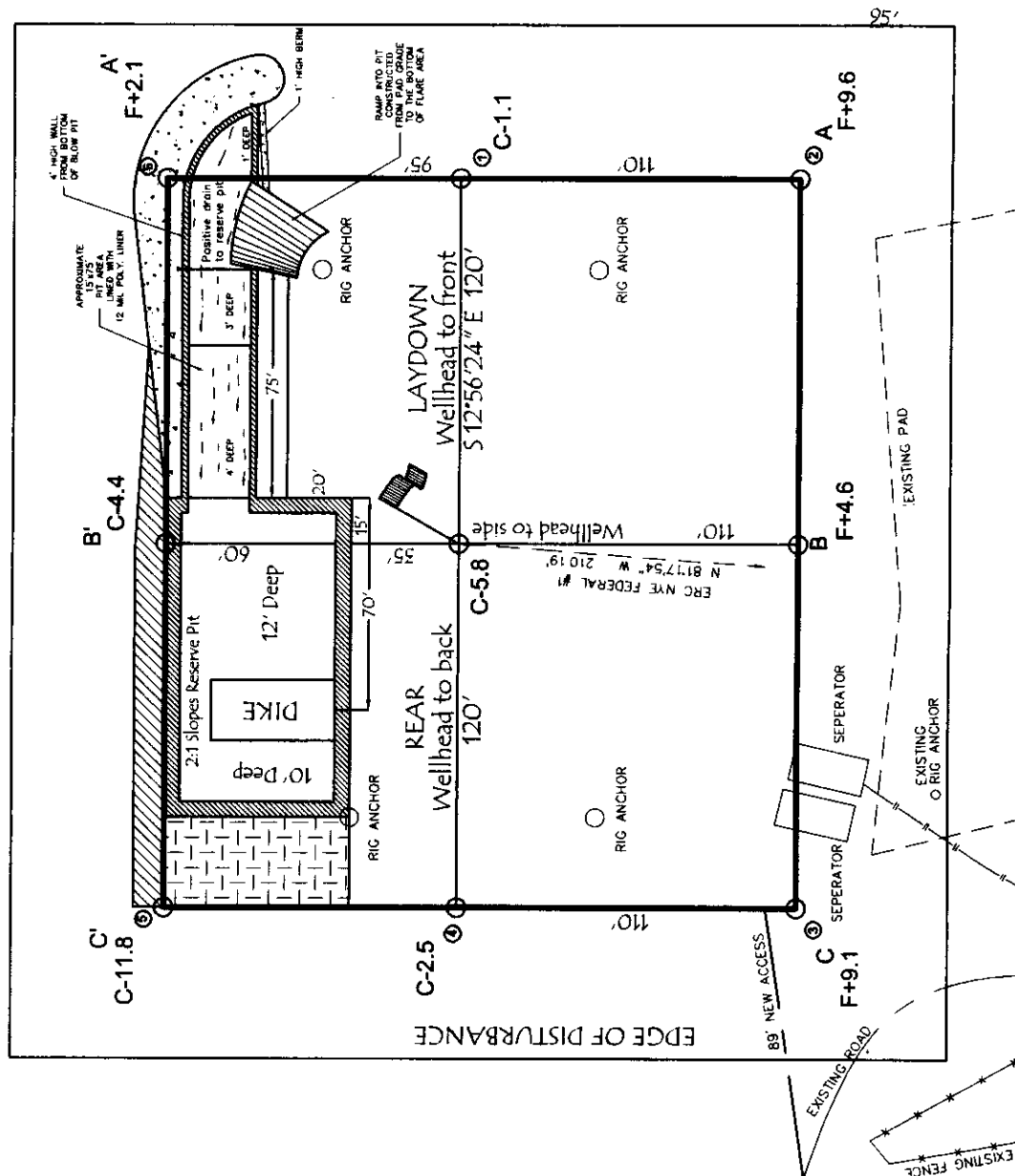
GROUND ELEVATION: 6098', NAVD 88

FINISHED PAD ELEVATION: 6091.7', NAVD 88

SLOPES TO BE CONSTRUCTED TO MATCH THE ORIGINAL CONTOURS AS CLOSE AS POSSIBLE.



SCALE = 60'



NOTE:

NOTE: RESERVE PIT DIKE: TO BE 8' ABOVE DEEP SIDE (OVERFLOW - 3' WIDE AND 1' ABOVE SHALLOW SIDE). RUSSELL SURVEYING, INC. 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, IN CONSTRUCTION ZONE AND/OR ACCESS ROAD AT LEAST TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION.

3330' x 400' = 3.03 ACRES OF DISTURBANCE

SCALE: 1" = 60'

JOB No.: COPC049; REV1

DATE: 02/08/07

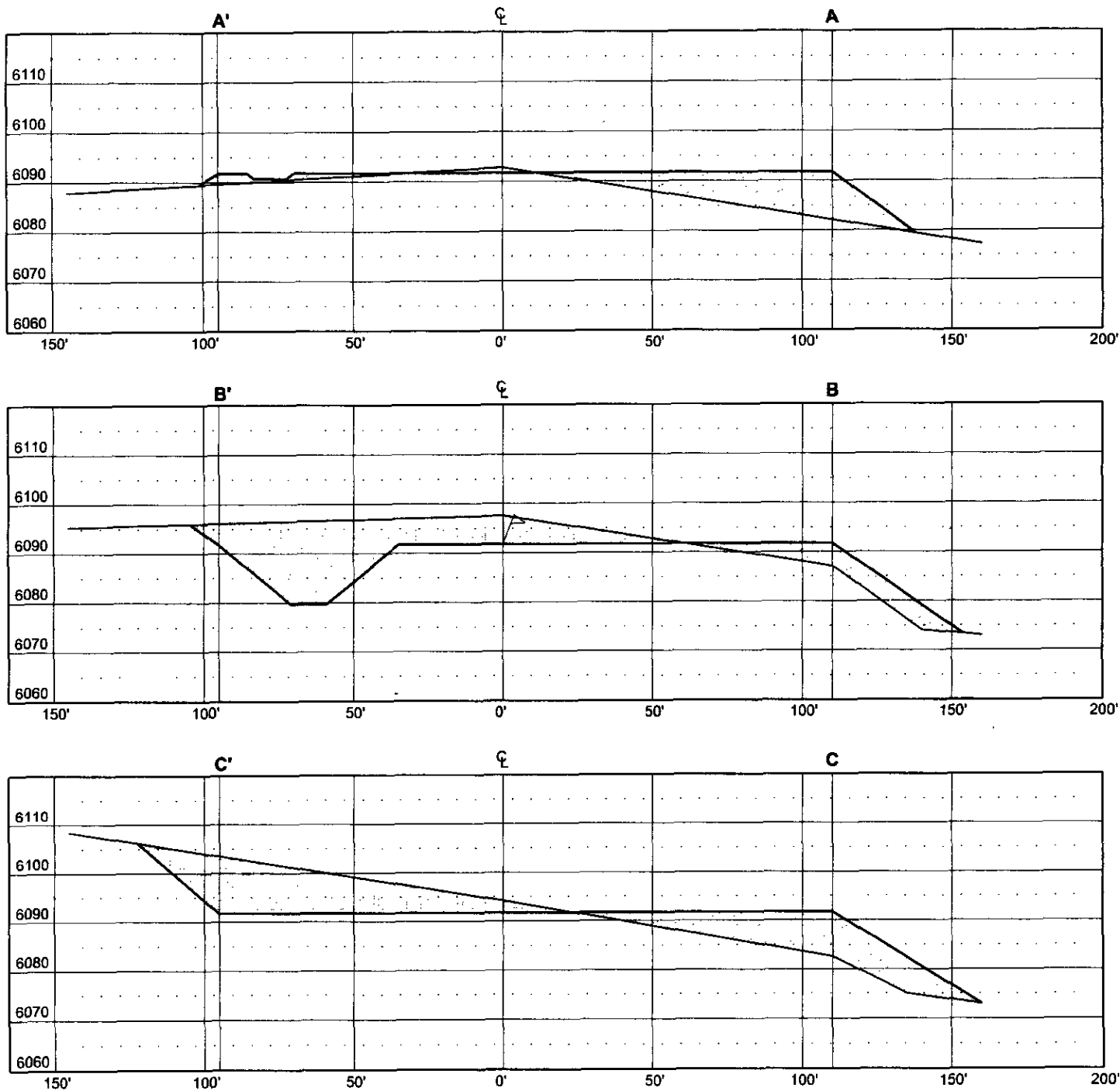
Russell Surveying
1409 W. Aztec Blvd. #5
Aztec, New Mexico 87410
(505) 334-8637

~~SECRET~~

LATITUDE: 36.88069°N
LONGITUDE: 108.12703°W
DATUM: NAD 83

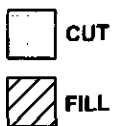
BURLINGTON RESOURCES O&G CO LP

NYE FEDERAL #100
1110' FSL & 715' FWL
LOCATED IN THE SW/4 SW/4 OF
SECTION 20, T31N, R12W, N.M.P.M.,
SAN JUAN COUNTY, NEW MEXICO
GROUND ELEVATION: 6098', NAVD 88
FINISHED PAD ELEVATION: 6091.7', NAVD 88



THIS DIAGRAM IS AN ESTIMATE OF DIRT BALANCE AND IS NOT INTENDED TO BE AN EXACT MEASURE OF VOLUME

VERT. SCALE: 1" = 30'
HORZ. SCALE: 1" = 50'
JOB No.: COPC049; REV1
DATE: 02/08/07



Russell Surveying
1409 W. Aztec Blvd. #5
Aztec, New Mexico 87410
(505) 334-8637

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

NYE FEDERAL 100

DEVELOPMENT

| | | | | | |
|-----------------------------------|-------------------------------------|----------------------------|-------------------|------------------|--|
| Lease: | | AFE #: WAN.ZA2.5390/5394FS | | AFE \$: | |
| Field Name: hBR_SAN JUAN | | Rig: XX 2008 31N | State: NM | County: SAN JUAN | |
| Geologist: | | Phone: | Geophysicist: | Phone: | |
| Geoscientist: Clark, Dave D | | Phone: 505-326-9762 | Prod. Engineer: | Phone: | |
| Res. Engineer: Schlabaugh, Jim L | | Phone: 505-326-9788 | Proj. Field Lead: | Phone: | |
| Primary Objective (Zones): | | | | | |
| Zone | Zone Name | | | | |
| R20001 | FRUITLAND COAL(R20001) | | | | |
| RCO582 | FLORA VISTA FRUITLAND (GAS)(RCO582) | | | | |

| | | | | | |
|--------------------------|------------------------|---------------------------|------|----------------------|-------------|
| Location: Surface | | Datum Code: NAD 27 | | Straight Hole | |
| Latitude: 36.880498 | Longitude: -108.126582 | X: | Y: | Section: 20 | Range: 012W |
| Footage X: 670 FWL | Footage Y: 1040 FSL | Elevation: 6088 | (FT) | Township: 031N | |
| Tolerance: | | | | | |

| | | | |
|---------------------------|--------------------|------------------|--------------------|
| Location Type: Year Round | Start Date (Est.): | Completion Date: | Date In Operation: |
|---------------------------|--------------------|------------------|--------------------|

| | | |
|-----------------|------------------|------------|
| Formation Data: | Assume KB = 6100 | Units = FT |
|-----------------|------------------|------------|

| Formation Call & Casing Points | Depth (TVD in Ft) | SS (Ft) | Depletion (Yes/No) | BHP (PSIG) | BHT | Remarks |
|--------------------------------|-------------------|---------|--------------------------|------------|-----|--------------------------------------------------------------------------------------------------|
| Surface Casing | 120 | 5980 | <input type="checkbox"/> | | | 8-3/4" hole. 7" 20 ppf, J-55, STC casing. Cement with 50 cuft. Circulate cement to surface. |
| OJO ALAMO | 585 | 5515 | <input type="checkbox"/> | | | Possible water |
| KIRTLAND | 662 | 5438 | <input type="checkbox"/> | | | |
| FRUITLAND | 1985 | 4115 | <input type="checkbox"/> | | | Gas |
| PICTURED CLIFFS | 2420 | 3680 | <input type="checkbox"/> | | | Gas |
| Total Depth | 2620 | 3480 | <input type="checkbox"/> | 300 | | 6-1/4" hole. 4-1/2" 10.5 ppf J-55 STC casing. Cement with 403 cuft. Circulate cement to surface. |

| | | |
|-------------------------|-----------|----------|
| Reference Wells: | | |
| Reference Type | Well Name | Comments |

| | |
|-------------------------|-----------------------------------------------------------------------------------------------------------------|
| Logging Program: | |
| Intermediate Logs: | <input type="checkbox"/> Log only if show <input type="checkbox"/> GR/ILD <input type="checkbox"/> Triple Combo |

| | |
|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| TD Logs: | <input type="checkbox"/> Triple Combo <input type="checkbox"/> Dipmeter <input type="checkbox"/> RFT <input type="checkbox"/> Sonic <input type="checkbox"/> VSP <input type="checkbox"/> TDT <input checked="" type="checkbox"/> Other |
| GR/CBL | |

| | | | | | |
|-------------------------|-------|-----------|---------|----------------|---------|
| Additional Information: | | | | | |
| Log Type | Stage | From (Ft) | To (Ft) | Tool Type/Name | Remarks |

Comments: Location/Tops/Logging - FSNM031N012W20SW1 and FCNM031N012W20SW1 Twin well is Nye 1 SE20-31N-12W

General/Work Description - MAKE SURE COST INCLUDE JET PUMP