

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RCVD MAY 28 '08

OIL CONS. DIV.
DIST. 3

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

RECEIVED

FEB 25 2008

1a. Type of Work DRILL	5. Lease Number SF-079491 Unit Reporting Number NMNM-78409A-D/K	
1b. Type of Well GAS	6. If Indian, All. or Tribe	
2. Operator BURLINGTON RESOURCES Oil & Gas Company, LP	7. Unit Agreement Name San Juan 27-5 Unit	
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name	
4. Location of Well Surf: Unit A (NENE), 940' FNL & 805' FEL Surf: Latitude 36.60651° N Longitude 107.30319° W	9. Well Number #106E 10. Field, Pool, Wildcat Basin Dakota 11. Sec., Twn, Rge, Mer. (NMPM) A- Sec. 1, T27N, R5W API # 30-039-30492	
14. Distance in Miles from Nearest Town 45 mile/Blanco	12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 805'	17. Acres Assigned to Well 320.36 Acres (N/2) 320.36 320.36	
16. Acres in Lease 1600 Acres 1600.36	18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 211' from San Juan 27-5 #55-1/MV	
19. Proposed Depth 8611'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 7305' GR	22. Approx. Date Work will Start	
23. Proposed Casing and Cementing Program See Operations Plan attached	BLM'S APPROVAL OR ACCEPTANCE OF THIS ACTION DOES NOT RELIEVE THE LESSEE AND OPERATOR FROM OBTAINING ANY OTHER AUTHORIZATION REQUIRED FOR OPERATIONS ON FEDERAL AND INDIAN LANDS	
24. Authorized by: <i>Crystal Walker</i> Crystal Walker (Regulatory Technician)	Date <i>5/23/08</i>	

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

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 3

Bond Numbers NMB-000015 and NMB-000089

NOTIFY AZTEC OCD 24 HRS.
PRIOR TO CASING & CEMENT

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

NMOCD

JUN 03 2008

This action is subject to technical and
procedural review pursuant to 43 CFR 3165.3
and appeal pursuant to 43 CFR 3165.4

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

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

DISTRICT III
1000 Elia Brazos Rd., Aztec, N.M. 87410

DISTRICT IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised August 15, 2000

OIL CONSERVATION DIVISION

2040 South Pacheco
Santa Fe, NM 87505

RECEIVED

FEB 25 2008

Bureau of Land Management
Santa Fe Field Office

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

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-039-30492	Pool Code 71599	Basin Dakota	Pool Name Dakota
Property Code 7454	Property Name SAN JUAN 27-5		Well Number 106 E
OCED No. 14538	Operator Name BURLINGTON RESOURCES O&G CO LP		Elevation 7305'

10 Surface Location

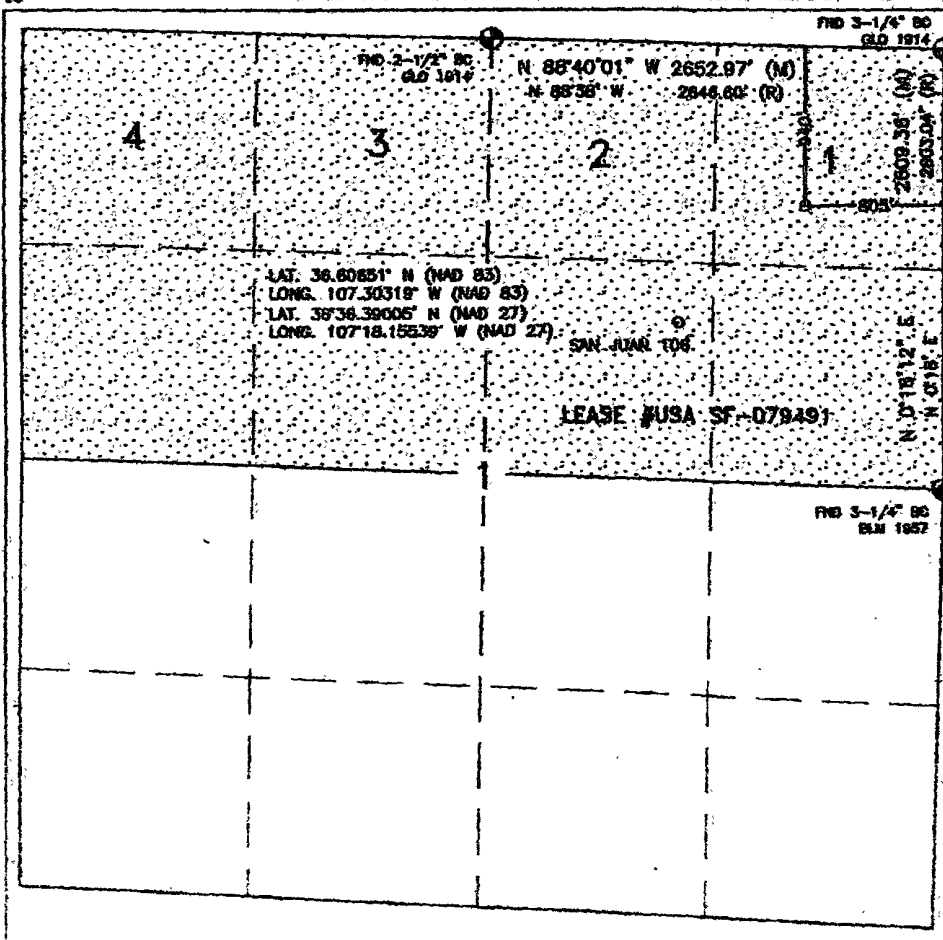
UL or lot no.	Section	Township	Range	Lot 1/4	Feet from the	North/South line	Feet from the	East/West line	County
A	1	27N	5W	1	940'	NORTH	805'	EAST	RIO ARriba

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot 1/4	Feet from the	North/South line	Feet from the	East/West line	County
A									
Dedicated Acres 320.36 Acres (N/2)			Joint or Infill		Consolidation Code		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



17 OPERATOR CERTIFICATION

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

Sasha Spangler
Signature

Sasha SPangler

Printed Name

Regulatory Technician

Title

12-06-07

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.

NOVEMBER 3, 2006

Date of Survey

Signature and Seal of Professional Surveyor:

David A. 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.

30-039- 30492

5. Indicate Type of Lease

STATE ☐FEE ☐

6. State Oil & Gas Lease No.

SF-079491

7. Lease Name or Unit Agreement Name

San Juan 27-5 Unit

8. Well Number

#106E

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, LP

3. Address of Operator

3401 E. 30TH STREET, FARMINGTON, NM 87402

4. Well Location

Unit Letter A : 940 feet from the North line and 805 feet from the East line
Section I Township 27N Rng 5W NMPM County Rio Arriba

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

7305'

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

<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 ☐TEMPORARILY ABANDON ☐PULL OR ALTER CASING ☐PLUG AND ABANDON ☐CHANGE PLANS ☐MULTIPLE COMPL ☐

OTHER:

New Drill Pit ☒

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐COMMENCE DRILLING OPNS. ☐CASING/CEMENT JOB ☐ALTERING CASING ☐P AND A ☐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, an associated vent/flare pit and a pre-set mud pit (if required). Based on Burlington's interpretation of the Ecosphere's risk ranking criteria, the new drilling pit and pre-set mud pit will be lined pits 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 Specialist

DATE 1/8/2008

Type or print name

Patsy Clugston

E-mail address: clugspl@conocophillips.com

Telephone No. 505-326-9518

For State Use Only

Deputy Oil & Gas Inspector,
District #3

JUN 03 2008

APPROVED BY

TITLE

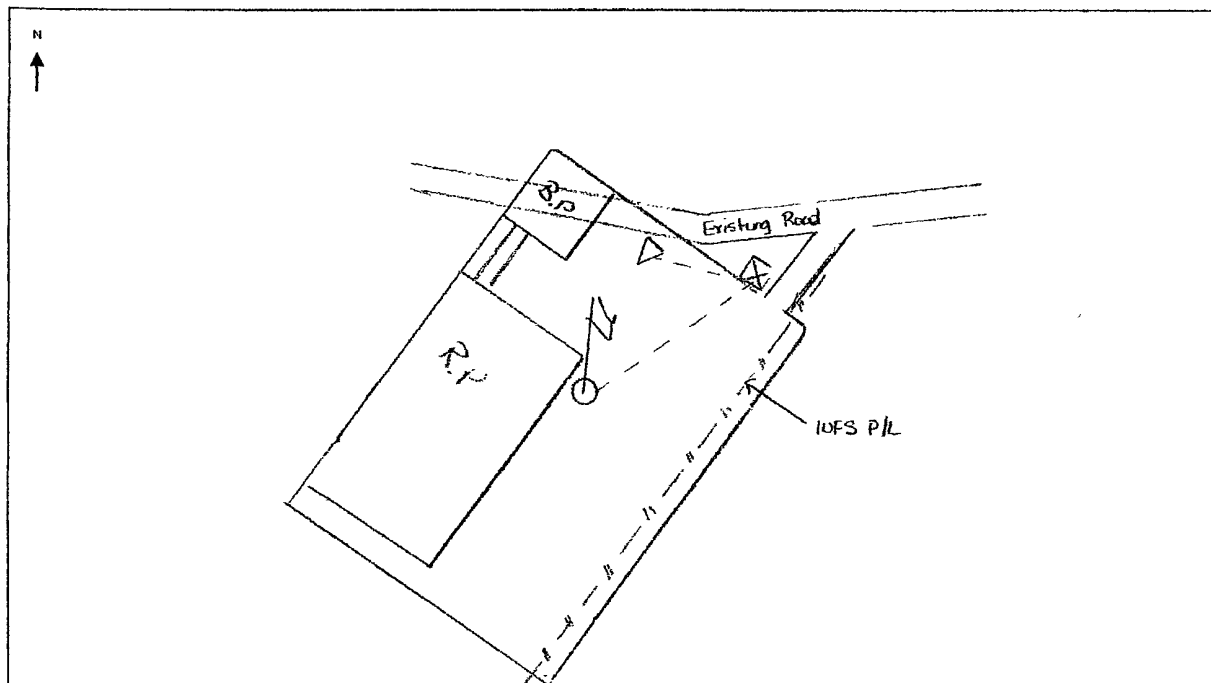
DATE

Conditions of Approval (if any):

CATHODIC PROTECTION PLAN FOR NEW WELLS

WELL NAME SJ 27-5 #1010E LEGALS A-1-27-5 COUNTY Rio Arriba

PURPOSED C.P. SYSTYEM: Drill G.B. on NE edge of location and set solar outer east edge north side of access road. Trench approx 75' of positive cable from G.B. to solar. Trench approx 200' of G.B. neg. cable from solar to wellhead



EXISTING WELLHEAD	METER HOUSE	G.B.	POWER SOURCE	CABLE	NEW WELL	OVERHEAD A.C.

COMMENTS: with interference w/ WFS P/L and G.B.

NEAREST POWER SOURCE N/A DISTANCE: _____

PIPELINES IN AREA: WFS P/L

TECHNICIAN: Michael P. Jorgensen DATE: 1/9/2007

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 27-5 UNIT 106E

DEVELOPMENT

Lease:		AFE #:		AFE \$:	
Field Name: hBR_SAN JUAN 27-5 UNIT		Rig: XXX Deferred RAM		State: NM	County: RIO ARRIBA
Geologist:		Phone:	Geophysicist:		Phone:
Geoscientist: Head, Chip F		Phone: 505-326-9772	Prod. Engineer:		Phone:
Res. Engineer: Prabowo, Wahyu		Phone: 505-326-9797	Proj. Field Lead:		Phone:
Primary Objective (Zones):					
Zone	Zone Name				
R20076	DAKOTA(R20076)				
Location: Datum Code: NAD 27					
Latitude: 36.606501	Longitude: -107.302590	X:	Y:	Section: 01	Range: 005W
Footage X: 805 FEL	Footage Y: 940 FNL	Elevation: 7305 (FT)	Township: 027N		
Tolerance:					
Location Type: Restricted		Start Date (Est.): 1/1/2020		Completion Date:	
Date In Operation:					
Formation Data: Assume KB = 7319 Units = FT					
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT
Surface Casing	200	7119	☐		
OJO ALAMO	3655	3664	☐		
KIRTLAND	3725	3594	☐		
FRUITLAND	4009	3310	☐		Possible Gas
PICTURED CLIFFS	4177	3142	☐		
LEWIS	4333	2986	☐		
Intermediate Casing	4483	2836	☐		8 3/4" Hole. 7", 20/23 ppf, J-55, STC Casing. Cement with 1010 cuft. Circulate cement to surface.
HUERFANITO BENTONITE	4764	2555	☐		
CHACRA	5127	2192	☐		
UPPER CLIFF HOUSE	5693	1626	☐		Gas
MASSIVE CLIFF HOUSE	5916	1403	☐	850	Gas
MENEFEE	5992	1327	☐		
POINT LOOKOUT	6309	1010	☐		
MANCOS	6709	610	☐		
GALLUP	7490	-171	☐		
GREENHORN	8267	-948	☐		
GRANEROS	8332	-1013	☐		
TWO WELLS	8373	-1054	☐	1900	Gas
CUBERO	8482	-1163	☐		
LOWER CUBERO	8529	-1210	☐		
OAK CANYON	8581	-1262	☐		
ENCINAL	8611	-1292	☐		
Total Depth	8611	-1292	☐		6-1/4" hole, 4-1/2" 10.5/11.6 ppf, J-55, STC/LTC casing. Cement w/ 562 cuft. Circulate cement a minimum of 100' inside the previous casing string.
Reference Wells:					
Reference Type	Well Name		Comments		

PROJECT PROPOSAL - New Drill / Sidetrack

SAN JUAN 27-5 UNIT 106E

DEVELOPMENT

Production	SJ 27-5 106	NE 1-27N-5W
Production	SJ 27-5 55	NE 1-27N-5W
Production	SJ 27-5 106M	NW 1-27N-5W

Logging Program:

Intermediate Logs: ☐ Log only if show ☐ GR/ILD ☐ Triple Combo

TD Logs: ☐ Triple Combo ☐ Dipmeter ☐ RFT ☐ Sonic ☐ VSP ☐ TDT ☒ Other

GR/CBL

Additional Information:

Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks
----------	-------	-----------	---------	----------------	---------

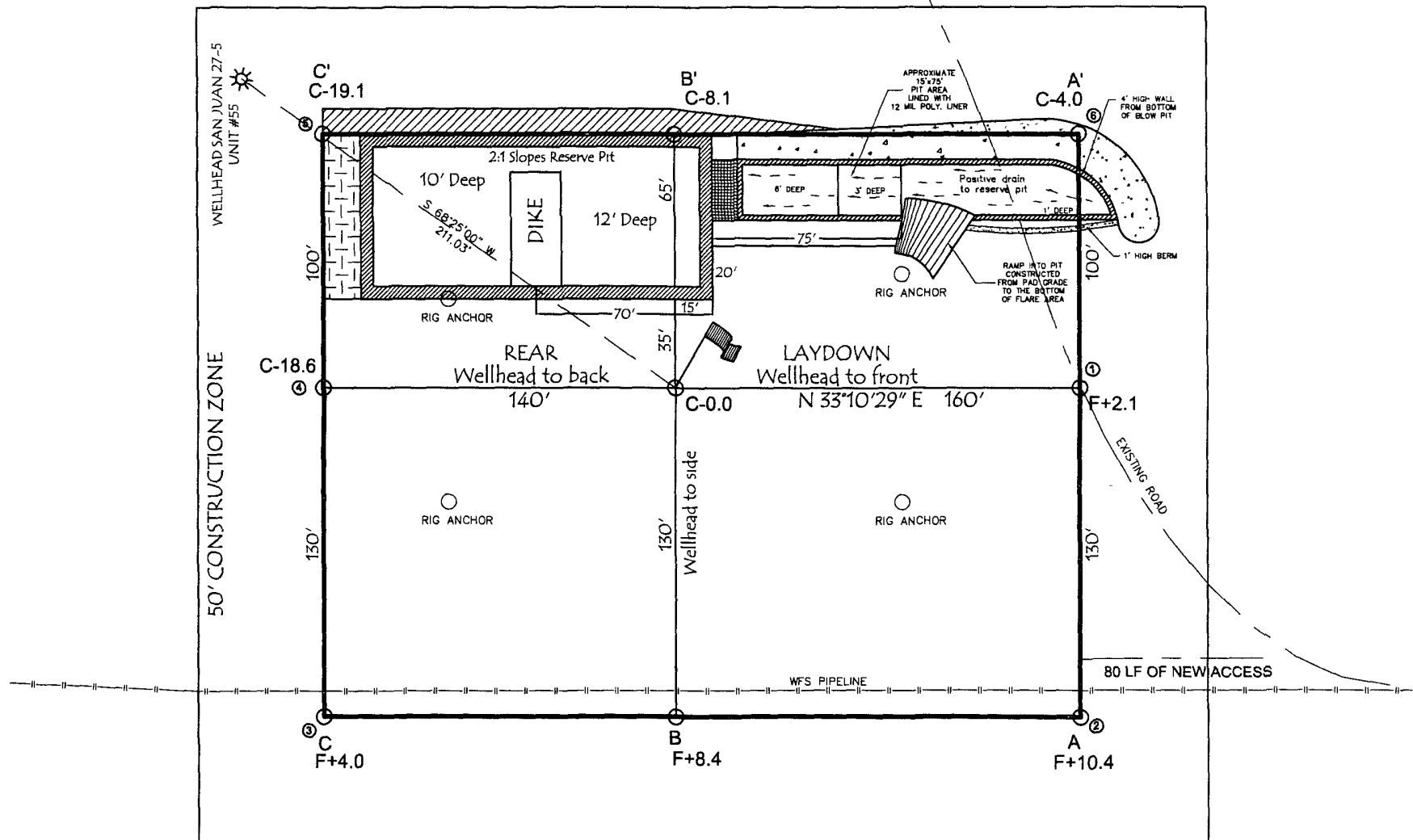
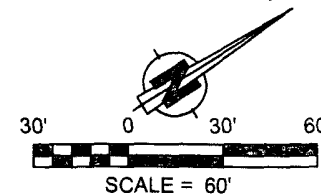
LATITUDE: 36.60651°N
LONGITUDE: 107.30319°W
DATUM: NAD 83

BURLINGTON RESOURCES O&G CO LP

SAN JUAN 27-5 UNIT NO. 106E

940' FNL & 805' FEL

LOCATED IN THE NE/4 NE/4 OF
SECTION 1, T27N, R5W, N.M.P.M.,
RIO ARriba COUNTY, NEW MEXICO
GROUND ELEVATION: 7305', NAVD 88
FINISHED PAD ELEVATION: 7305.0', NAVD 88



330' X 400' = 3.03 ACRES OF DISTURBANCE

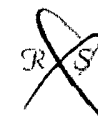
SCALE: 1" = 60'

JOB No.: COPC008; REV1

DATE: 11/27/06

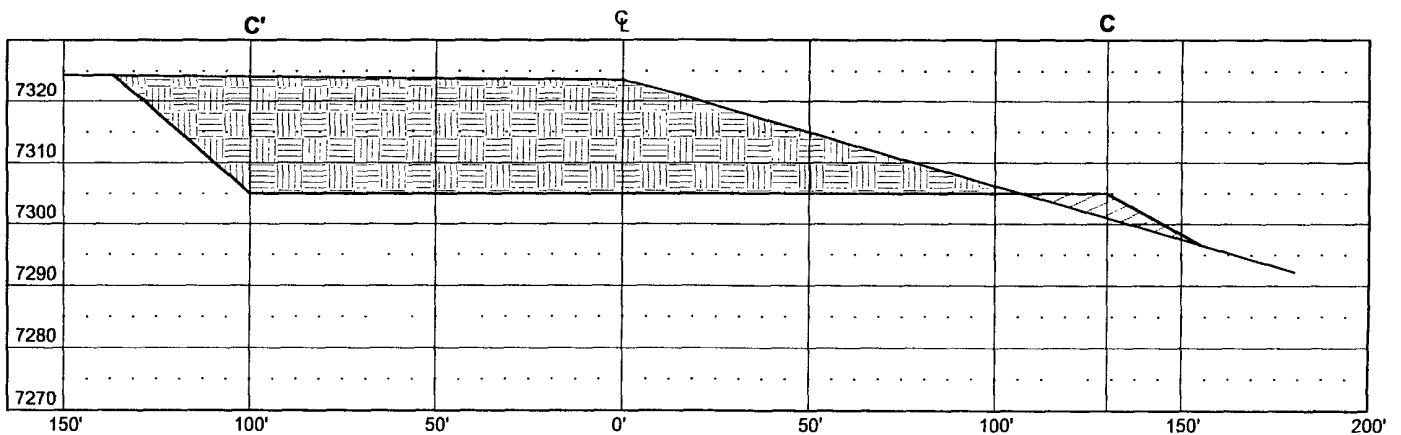
NOTE:

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.



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

FINISHED PAD ELEVATION: 7305.0', NAVD 88



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