

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RCVD FEB 27 '08

OIL CONS. DIV.

DIST. 3

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	RECEIVED SEP 10 2007 Bureau of Land Management Farmington Field Office	5. Lease Number USA SF-078423 Unit Reporting Number NMNM-78417 8-0/L
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 29-7 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 L(NWSW), 1605' FSL & 1120' FWL Surf: Latitude 36° 44.24302 N Longitude 107° 32.69239 W	9. Well Number #57E	
	10. Field, Pool, Wildcat Basin Dakota	
	11. Sec., Twn, Rge, Mer. (NMPM) L Sec. 11, T29N, R7W API # 30-039-30353	
14. Distance in Miles from Nearest Town 20 mile/Blanco	12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1120'		
16. Acres in Lease 2400.00	17. Acres Assigned to Well DK 319.60 (W/2) 320.00	
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 102' from SJ 29-7 57		
19. Proposed Depth 7609'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6287' GL	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	
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by: Rhonda Rogers (Regulatory Technician)	9-10-07 Date	

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

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

NMOCD

FEB 27 2008

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

DISTRICT I
1626 N. French Dr., Hobbs, N.M. 88240

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

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

DISTRICT IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Form C-102
Revised August 15, 2000

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-04539-30353	² Pool Code 71599	³ Pool Name Basin DAKOTA
⁴ Property Code 7465	⁵ Property Name SAN JUAN 29-7 UNIT	⁶ Well Number 57 E
⁷ OGRD No. 14538	⁸ Operator Name BURLINGTON RESOURCES O&G CO LP	⁹ Elevation 6287'

¹⁰ Surface Location

UL or lot no. L	Section 11	Township 29N	Range 7W	Lot Idn	Feet from the 1605'	North/South line SOUTH	Feet from the 1120'	East/West line WEST	County RIO ARriba
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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
¹² Dedicated Acres 320.00 249.60 Acres - (W/2)					¹³ Joint or Infill		¹⁴ 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

		¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. <i>Tracey N. Monroe</i> Signature Tracey N. Monroe Printed Name Regulatory Analyst Title 8/9/06 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. AUGUST 1, 2006 Date of Survey Signature and Seal of Professional Surveyor: <i>David R. Russell</i> DAVID R. RUSSELL NEW MEXICO REGISTERED PROFESSIONAL SURVEYOR 10201 Certificate Number 10201
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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- 30353

5. Indicate Type of Lease

STATE ☐FEE ☐

6. State Oil & Gas Lease No.

Federal Lease # USA SF-078423

7. Lease Name or Unit Agreement Name

San Juan 29-7 Init

8. Well Number

#57E

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 COMPANY LP

3. Address of Operator

3401 E. 30TH STREET, FARMINGTON, NM 87402

4. Well Location

Unit Letter L : 1605' feet from the South line and 1120' feet from the West line
 Section 11 Township 29N Rng 7W NMPM County Rio Arriba

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

6287'

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

<200

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 ☐

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, 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 Technician

DATE

9-4-07

Type or print name

Rhonda Rogers

E-mail address:

rogerr@conocophillips.com

Telephone No.

505-599-4018

For State Use Only

APPROVED BY

TITLE

Deputy Oil & Gas Inspector,

DATE

FEB 27 2008

Conditions of Approval (if any):

District #3

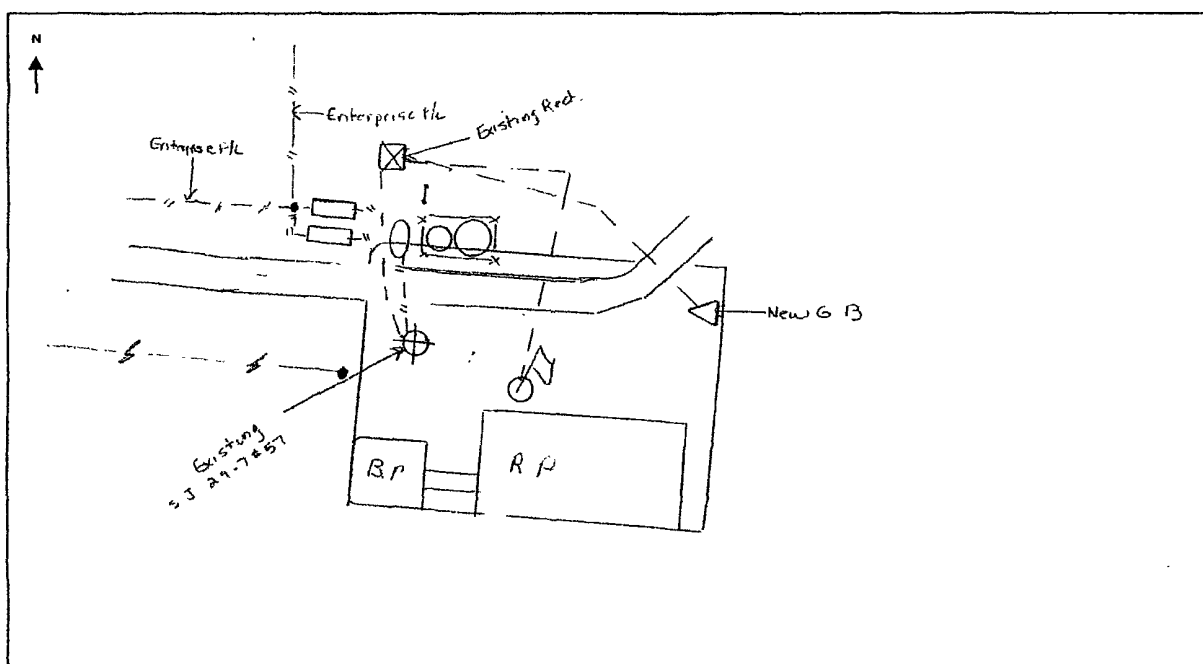


TECHNICAL SERVICES
A CORROSION COMPANY

CATHODIC PROTECTION PLAN FOR NEW WELLS

WELL NAME SJ. 29-7 #57E LEGALS L-11-29-7 COUNTY Rio Arriba

PURPOSED C.P. SYSTEM: Drill G.B. on northeast corner of location, and tie it into existing CP system on SJ 29-7 #57. Trench approx 300' of #8 neg cable from existing rectifier on SJ 29-7 #57 to proposed new well



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

COMMENTS:

NEAREST POWER SOURCE Existing Rect SJ 29-7 #57 + Overhead AC DISTANCE: 300'

PIPELINES IN AREA: Enterprise PL x2

TECHNICIAN: Michael Hingor DATE: 11/28/2000

6 CR 5412 BLOOMFIELD, N.M. 87413
OFFICE: 505-634-0271 CELL: 505-793-6953

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 29-7 UNIT 57E

DEVELOPMENT

Lease:		AFE #: WAN.ZA2.7522		AFE \$: 608,720.77	
Field Name: hBR_SAN JUAN 29-7 UNIT		Rig: H&P Rig 283		State: NM	County: SAN JUAN
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: Surface		Datum Code: NAD 27		Straight Hole	
Latitude: 36.737384	Longitude: -107.544873	X:	Y:	Section: 11	Range: 007W
Footage X: 1120 FWL	Footage Y: 1605 FSL	Elevation: 6287 (FT)	Township: 029N		
Tolerance:					

Location Type: Year Round	Start Date (Est.): 1/1/2007	Completion Date:	Date In Operation:
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Formation Data: Assume KB = 6299	Units = FT
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Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	216	6083	☐			12-1/4" hole. 9 5/8", 32.3 ppf, H-40, STC casing. Cement with 171 cuft. Circulate cement to surface.
OJO ALAMO	2269	4030	☐			
KIRTLAND	2358	3941	☐			
FRUITLAND	2900	3399	☐			Possible Gas
PICTURED CLIFFS	3137	3162	☐			
LEWIS	3325	2974	☐			
Intermediate Casing	3425	2874	☐			8-3/4" Hole. 7", 20 ppf, J-55, STC Casing. Cement with 771 cuft. Circulate cement to surface.
HUERFANITO BENTONITE	3863	2436	☐			
CHACRA	4135	2164	☐			
MASSIVE CLIFF HOUSE	4878	1421	☐	580		Gas
MENEFEE	4995	1304	☐			
MASSIVE POINT LOOKOUT	5317	982	☐			
MANCOS	5729	570	☐			
UPPER GALLUP	6566	-267	☐			
GREENHORN	7305	-1006	☐			
GRANEROS	7362	-1063	☐			
TWO WELLS	7409	-1110	☐	2425		Gas
UPPER CUBERO	7509	-1210	☐			
LOWER CUBERO	7537	-1238	☐			
ENCINAL	7609	-1310	☐			
TOTAL DEPTH DK	7609	-1310	☐			10.5 6-1/4" Hole. 4-1/2", 10.5 ppf, J-55, STC casing. Cement with 570 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 Business Unit

SAN JUAN 29-7 UNIT 57E

DEVELOPMENT

Logging Program:

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

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

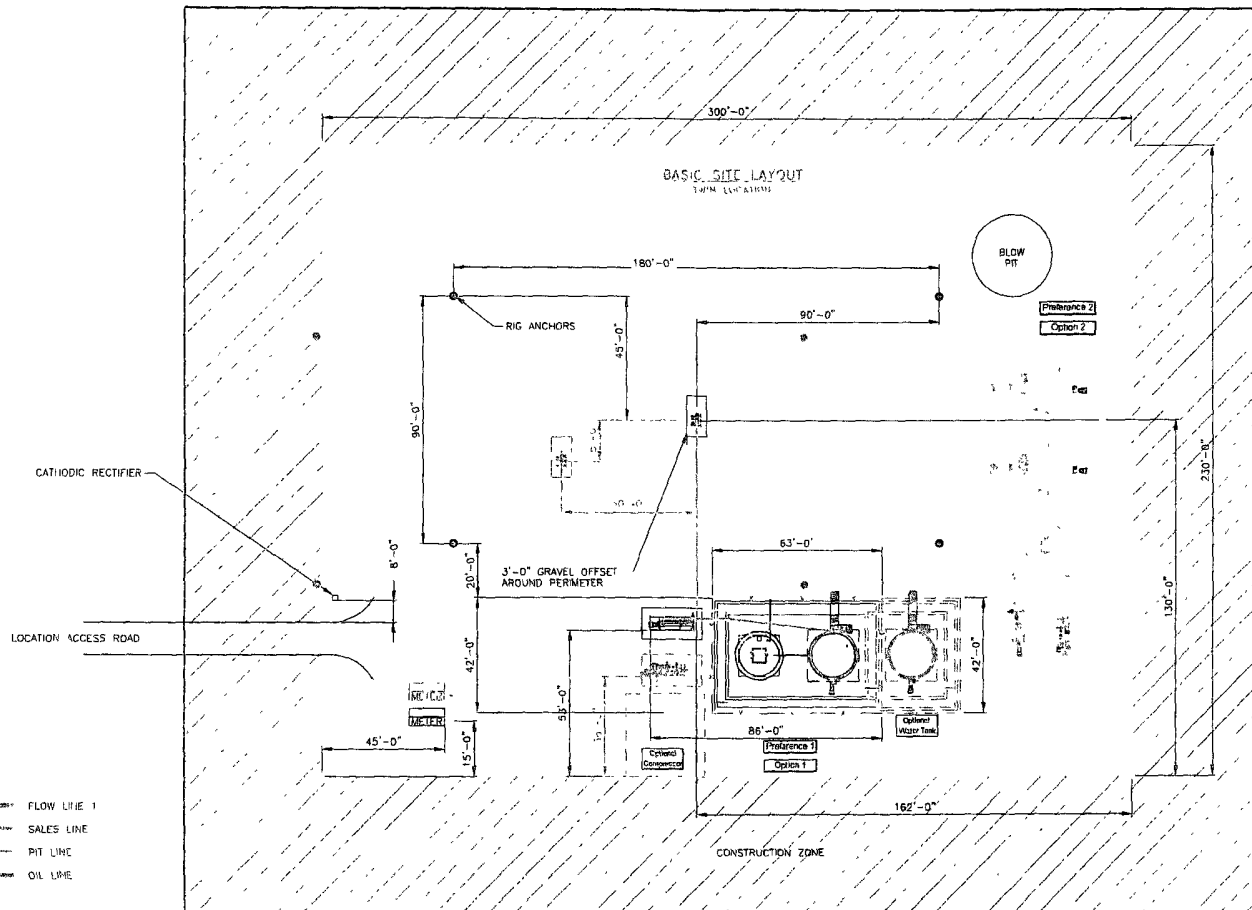
No open hole logs required at TD. Cased hole GR/CBL. Est. bottom perf at 7599'

Additional Information:

Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks
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Comments: Location/Tops/Logging - DK 29N07W11SW1

Zones - DK 29N07W11SW1



SEE SHEET 3 & 4 FOR PIPING DETAILS
ALL UNDERGROUND PIPE IS TO BE BURIED A MIN. OF 3'-0" TOP

SHEET 1 OF 5

										ENGINEERING REVIEW			REFERENCE DRAWINGS			CONOCOPHILLIPS HIGH PRESSURE 3 PHASE FACILITY DIAGRAM- SITE LAYOUT			
										DISCIPLINE	REVIEWED	DATE	NO	DESCRIPTION					
										PROCESS									
										MECHANICAL									
										PIPING									
										ELECTRICAL									
										I & C									
										CIVIL/STRUCTURAL									
										PROJECT									
NO	DESCRIPTION	DATE	BY	CHK'D	CHE	DSC	PRJ						SAN JUAN BUSINESS UNIT			CLIENT NO	CLIENT NAME	APPRO DATE	
																SCALE: NONE	CREATION DATE 6/25/07	SHEET NO	
																DRG NO	HP3PHASE-REV1	1 OF 5	

LATITUDE: 36.73739°N
 LONGITUDE: 107.54548°W
 DATUM: NAD 83

BURLINGTON RESOURCES O&G CO LP

SAN JUAN 29-7 UNIT #57 E

1605' FSL & 1120' FWL

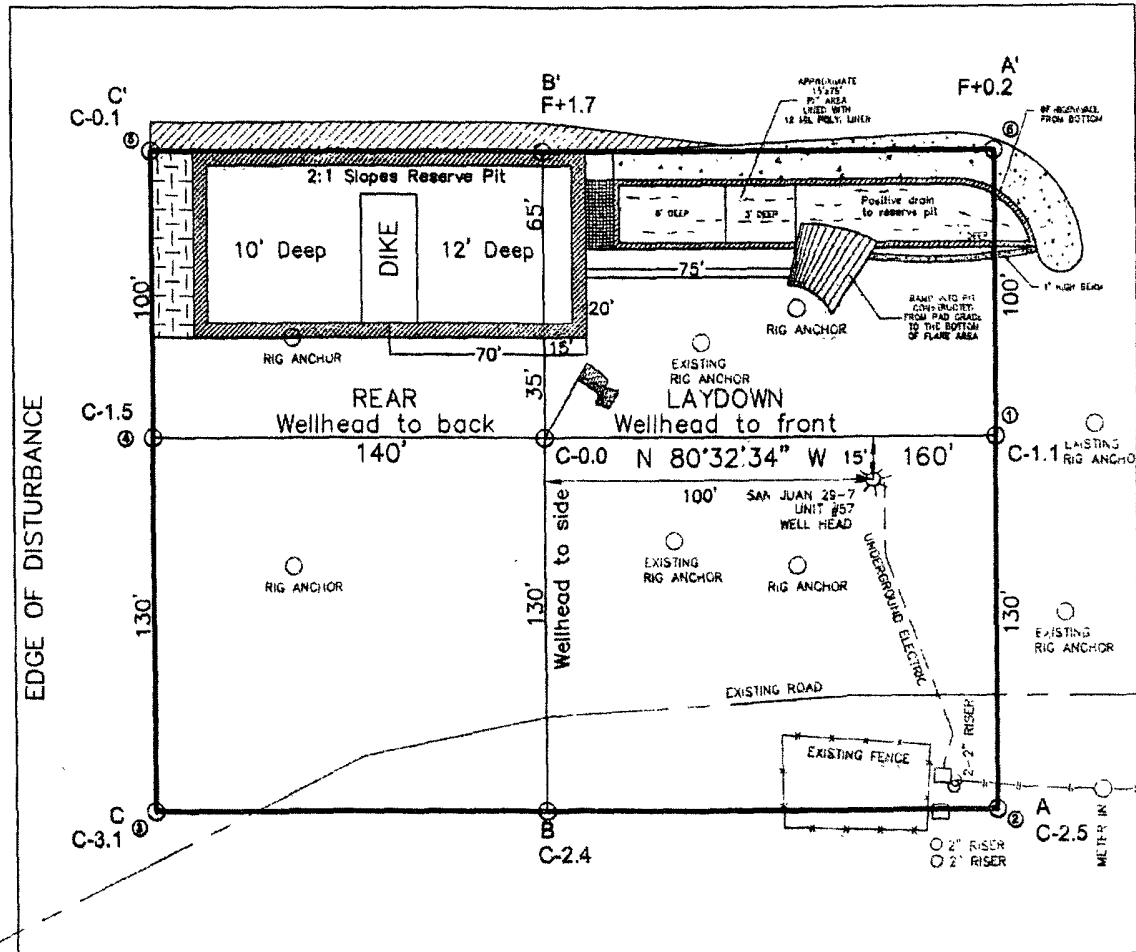
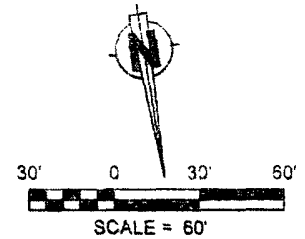
LOCATED IN THE NW/4 SW/4 OF

SECTION 11, T29N, R7W, N.M.P.M.,

RIO ARriba COUNTY, NEW MEXICO

GROUND ELEVATION: 6287', NAVD 88

FINISHED PAD ELEVATION: 6286.9', NAVD 88



330' x 400' = 3.03 ACRES OF DISTURBANCE

SCALE: 1" = 60'

JOB No.: COPC022

DATE: 08/02/06

NOTE:

RESERVE PIT DIKE: TO BE 6' 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

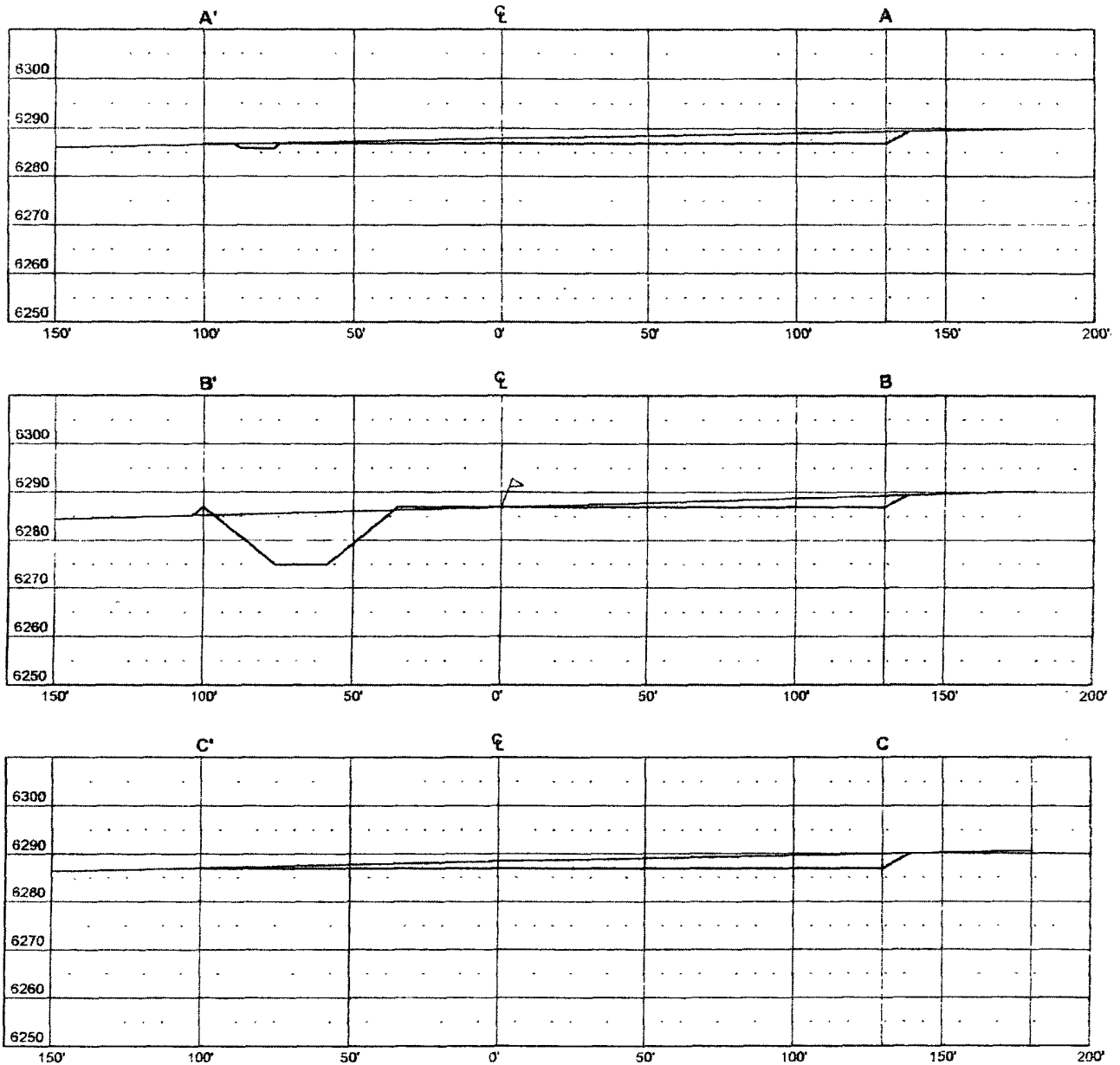
(Handwritten signature)

Russell Surveying
 1409 W Aztec Blvd. #5
 Aztec, New Mexico 87410
 (505) 334-8037

LATITUDE: 36.73739°N
LONGITUDE: 107.54548°W
DATUM: NAD 83

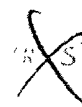
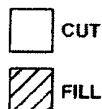
BURLINGTON RESOURCES O&G CO LP

SAN JUAN 29-7 UNIT #57 E
1605' FSL & 1120' FWL
LOCATED IN THE NW/4 SW/4 OF
SECTION 11, T29N, R7W, N.M.P.M.,
RIO ARriba COUNTY, NEW MEXICO
GROUND ELEVATION: 6287', NAVD 88
FINISHED PAD ELEVATION: 6286.9', 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.: COPC022
DATE: 08/02/06



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