

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RCVD OCT 22 '07

OIL CONS. DIV.

DIST. 2

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	RECEIVED SEP 28 2007 Bureau of Land Management Farmington Field Office	5. Lease Number USA SF-078423 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 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	9. Well Number #588
4. Location of Well Surf: Unit I (NESE), 1605' FSL & 1050' FEL Surf: Latitude 36° 43.38898 N Longitude 107° 35.36991 W	10. Field, Pool, Wildcat Basin FC/Blanco PC 11. Sec., Twn, Rge, Mer. (NMPM) T Sec. 17, T29N, R7W API # 30-039- 30383	
14. Distance in Miles from Nearest Town 16 mile/BLANCO	12. County RIO ARriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1050'	17. Acres Assigned to Well FC 320 (E/2)/PC 160 (SE/4)	
16. Acres in Lease 2400		
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 52' FROM SJ 29-7 44A		
19. Proposed Depth 3667'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6683' 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)	9-27-07 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 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

NOTIFY AZTEC OCD 24 HRS.
PRIOR TO CLOSING & CEMENTING

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

Bond Numbers NMB-000015 and NMB-000089

NMOCD

OCT 30 2007

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

RECEIVED

SEP 28 2007

DISTRICT I
1025 N. French Dr., Hobbs, N.M. 88240

State of New Mexico
Energy, Minerals & Natural Resources Department

Bureau of Land Management
Burlington Field Office

Form C-102
Revised October 12, 2005

DISTRICT II
1301 W. Grand Avenue, Artesia, N.M. 88210

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

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

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

DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-30383	² Pool Code 71629/72359	³ Pool Name Basin Fruitland Coal/Blanco Pictured Cliff
⁴ Property Code 7465	⁵ Property Name SAN JUAN 29-7 UNIT	⁶ Well Number 588
⁷ OGED No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL & GAS CO LP	⁹ Elevation 6683'

¹⁰ Surface Location

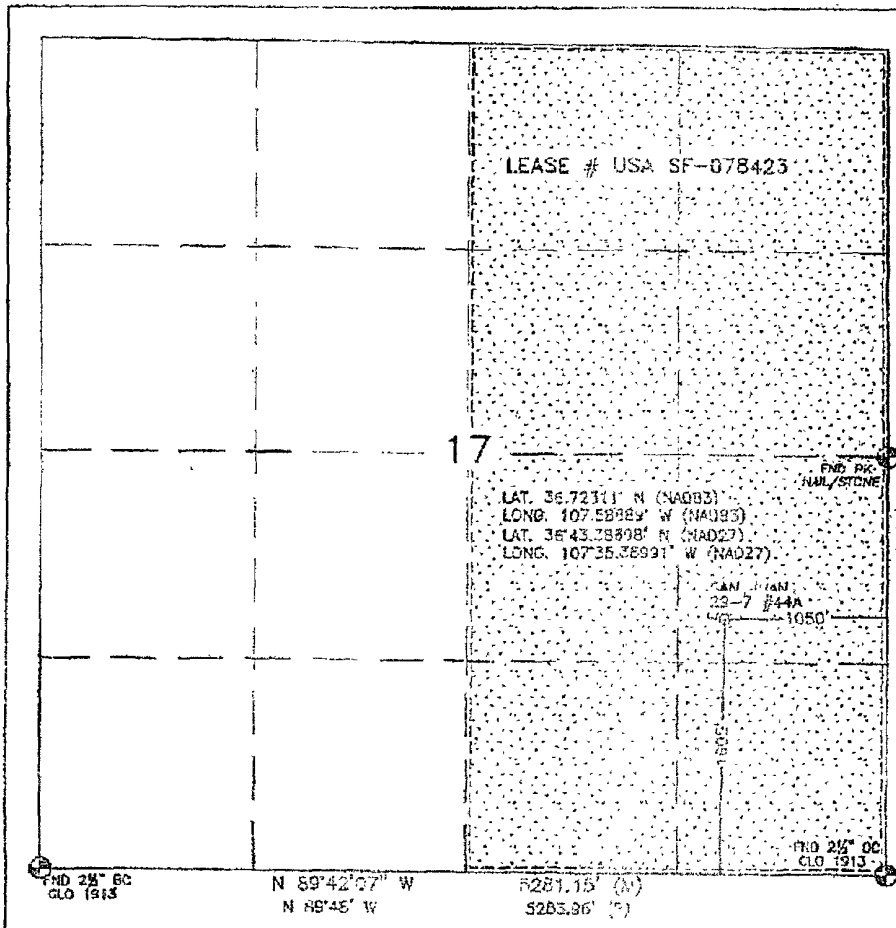
III, or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
1	17	29N	7W		1605'	SOUTH	1050'	EAST	RIO ARriba

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 Acres - (E/2) FC 160.00 (SE 1/4) PC			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, and that this organization either owns a working interest or undivided 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 a compulsory pooling order heretofore entered by the Division.

Signature

Date

Rhonda Rogers

Printed Name

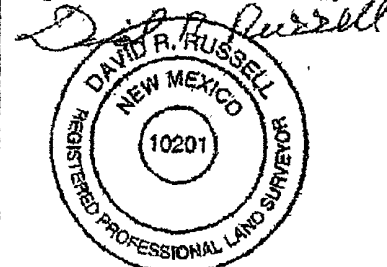
¹⁸ SURVEYOR CERTIFICATION

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.

JUN 28, 2007

Date of Survey

Signature and Seal of Professional Surveyor



DAVID RUSSELL

Certificate Number

10201

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

Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION

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

WELL API NO.

30-039- 30383

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 Unit

8. Well Number

#588

9. OGRID Number

14538

10. Pool name or Wildcat

Basin FC/Blanco PC

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 87401

4. Well Location

Unit Letter 1 1605' feet from the South line and 1050' feet from the East line
Section 17 Township 29N Range 7W NMPM County Rio Arriba

11. Elevation (Show whether GP, PKB, RT, GR, etc.)

6683'

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

OTHER:

New 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 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 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 ☐ or an (attached) alternative OCD-approved plan ☐.

SIGNATURE

TITLE

Regulatory Technician

DATE

8-29-07

Type or print name

Rhonda Rogers

E-mail address

rrogers@conocophillips.com

Telephone No.

505-599-4018

For State Use Only

APPROVED BY

TITLE

Deputy Oil & Gas Inspector,
District #3

DATE

OCT 30 2007

Conditions of Approval (if any):

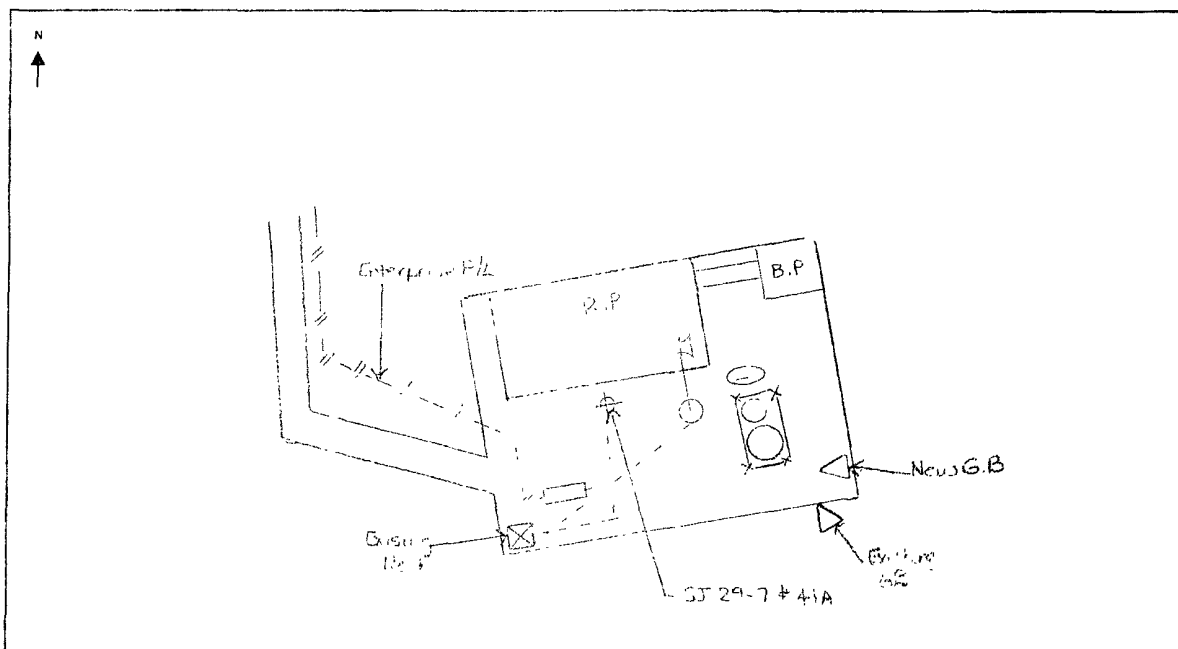


TECHNICAL SERVICES
A CORROSION COMPANY

CATHODIC PROTECTION PLAN FOR NEW WELLS

WELL NAME SJ 29-7 # 58A LEGALS E-17-29-7 COUNTY Rio Arriba

PURPOSED C.P. SYSTEM: Drill GB on SE corner of location and tie into existing system.
Upgrade existing rectifier. Trench approx 250' of #8 neg cable from proposed well
to rectifier



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

COMMENTS: _____

NEAREST POWER SOURCE Existing Rect SJ 29-7 # 44A DISTANCE: same location
PIPELINES IN AREA: Enterprise P.L.

TECHNICIAN: [Signature] DATE: 7/19/2007

6 CR 5412 BLOOMFIELD, N.M. 87413
OFFICE: 505-834-0271 CELL: 505-793-6953

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 29-7 UNIT 588

DEVELOPMENT

Lease:		AFE #: WAN.CDR.7200		AFE \$:	
Field Name: hBR SAN JUAN		Rig: Aztec Rig 580		State: NM	County: RIO ARRIBA
Geologist:		Phone:		Geophysicist:	
Geoscientist: Clark, Dave D		Phone: 505-326-9762		Prod. Engineer:	
Res. Engineer:		Phone:		Proj. Field Lead:	
				Phone:	

Primary Objective (Zones):	
Zone	Zone Name
JCV	BASIN FRUITLAND COAL (GAS)
UPL	BLANCO PICTURED CLIFFS

Location: Surface		Datum Code: NAD 27		Straight Hole	
Latitude: 36.723104	Longitude: -107.588282	X:	Y:	Section: 17	Range: 007W
Footage X: 1050 FEL	Footage Y: 1605 FSL	Elevation: 6683	(FT)	Township: 029N	
Tolerance:					

Location Type: Year Round	Start Date (Est.): 1/1/2008	Completion Date:	Date In Operation:
Formation Data: Assume KB = 6695 Units = FT			

Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	120	6575	☐			8-3/4 hole. 7" 20 ppf, J-55 STC csg. Cement with 50 cuft. Circulate cement to surface.
OJO ALAMO	2483	4212	☐			
KIRTLAND	2691	4004	☐			
FRUITLAND	3087	3608	☐			Gas
PICTURED CLIFFS	3467	3228	☐	450		Gas
Total Depth	3667	3028	☐			6-1/4" hole. 4-1/2" 10.5 ppf, J-55, STC casing. Cement with 564 cuft. Circulate cement to surface.

Reference Wells:		
Reference Type	Well Name	Comments

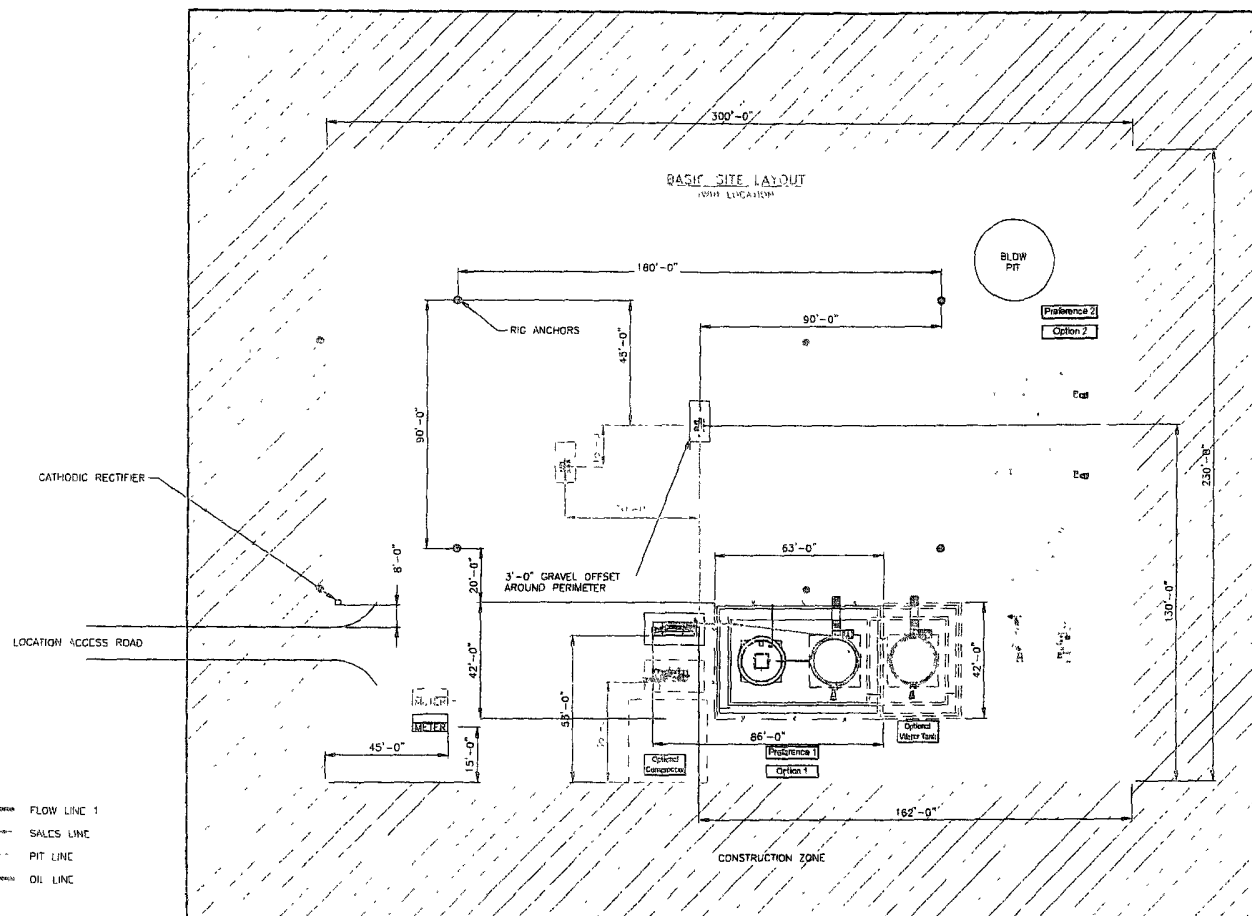
Logging Program:	
Intermediate Logs:	☐ Log only if show ☐ GR/ILD ☐ Triple Combo

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

Comments: Location/Tops/Logging - PCNM029N007W17SE1 FCNM029N007W17SE1 Twin 44A (MV/DK drilled in 1979 so should be OK), do not twin 44B (MV drilled in 1999), else prefer I,P,O,J, some topo.

Zones - PCNM029N007W17SE1 FCNM029N007W17SE1



SEE SHEET 3 & 4 FOR PIPING DETAILS
ALL UNDERGROUND PIPES 15 TO 30" DIA. TURNED 45° FROM 3'-0" TOP

SHEET 1 OF 5

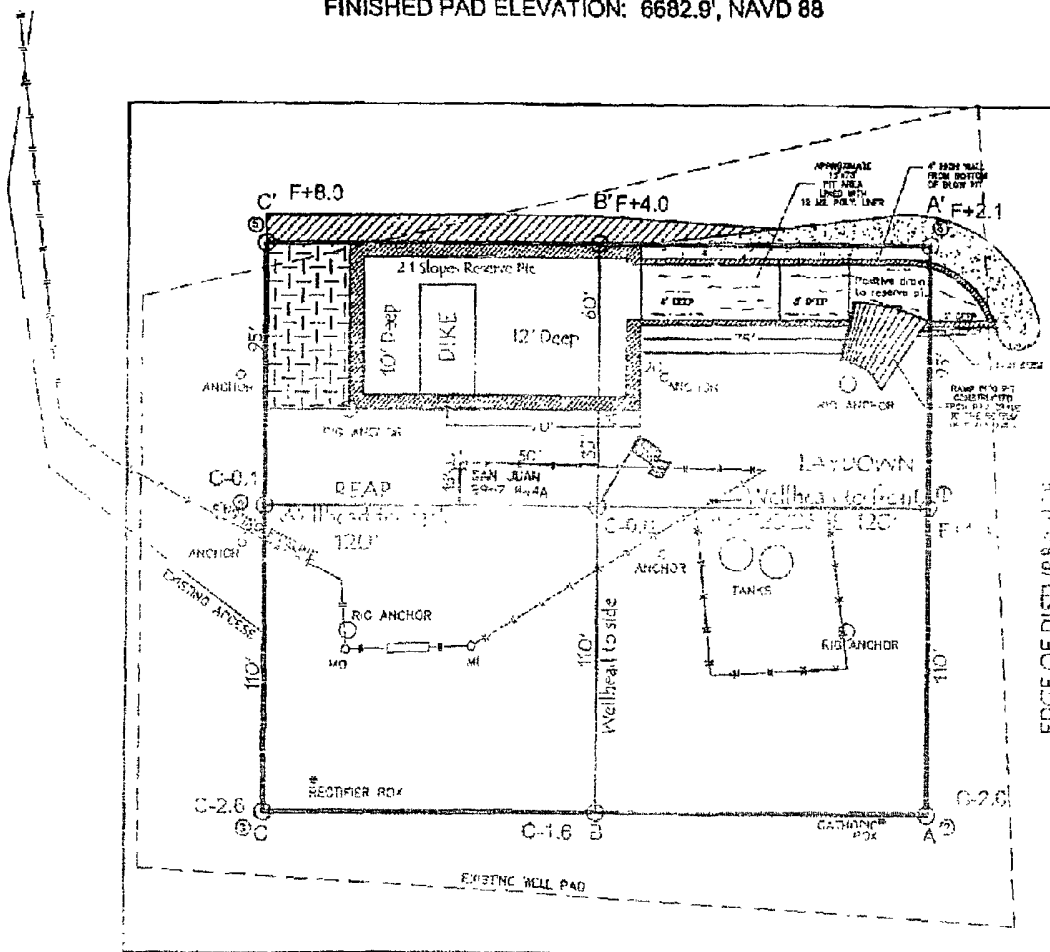
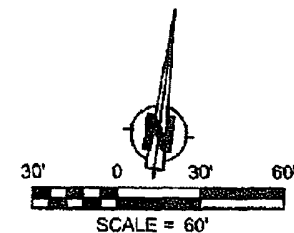
CONOCOPHILLIPS										HIGH PRESSURE 3 PHASE										FACILITY DIAGRAM- SITE LAYOUT									
ENGINEERING REVIEW										REFERENCE DRAWINGS										SAN JUAN BUSINESS UNIT									
PROCESS										NO										CLIENT No									
TECHNICAL										DESCRIPTION										CLIENT NAME									
PIPING																				SCALE									
ELECTRICAL																				DATE									
I & C																				DRAWN BY									
CIVIL/STRUCTURAL																				PROJECT									
PROJECT																				HP3PHASE-REV1									
DESCRIPTION										DATE										SHEET No									
DATE										BY										1 OF 5									
BY										CHK'D										DATE									
CHK'D										EHS										DATE									
EHS										DISC										DATE									
DISC										PRJ										DATE									
PRJ																													

Project: C:\g-FTB\Buck\SanJuan\Regulatory\San Juan Location\Site Layouting\16/28/2007 - 0239pm

LATITUDE: 36.72311°N
 LONGITUDE: 107.58889°W
 DATUM: NAD 83

BURLINGTON RESOURCES O&G CO LP
 SAN JUAN 29-7 UNIT 588
 1605' FSL & 1050' FEL
 LOCATED IN THE NE/4 SE/4 OF SECTION 17,
 T29N, R7W, N.M.P.M.,
 RIO ARriba COUNTY, NEW MEXICO
 GROUND ELEVATION: 6683', NAVD 88
 FINISHED PAD ELEVATION: 6682.9', NAVD 88

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



305' x 340' = 2.38 ACRES OF DISTURBANCE
 SCALE: 1" = 60'
 JOB No.: COPC083
 DATE: 07/13/07

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. #2
 Aztec, New Mexico 87410
 (505) 334-8637

LATITUDE: 36.72311°N
LONGITUDE: 107.52889°W
DATUM: NAD 83

BURLINGTON RESOURCES O&G CO LP

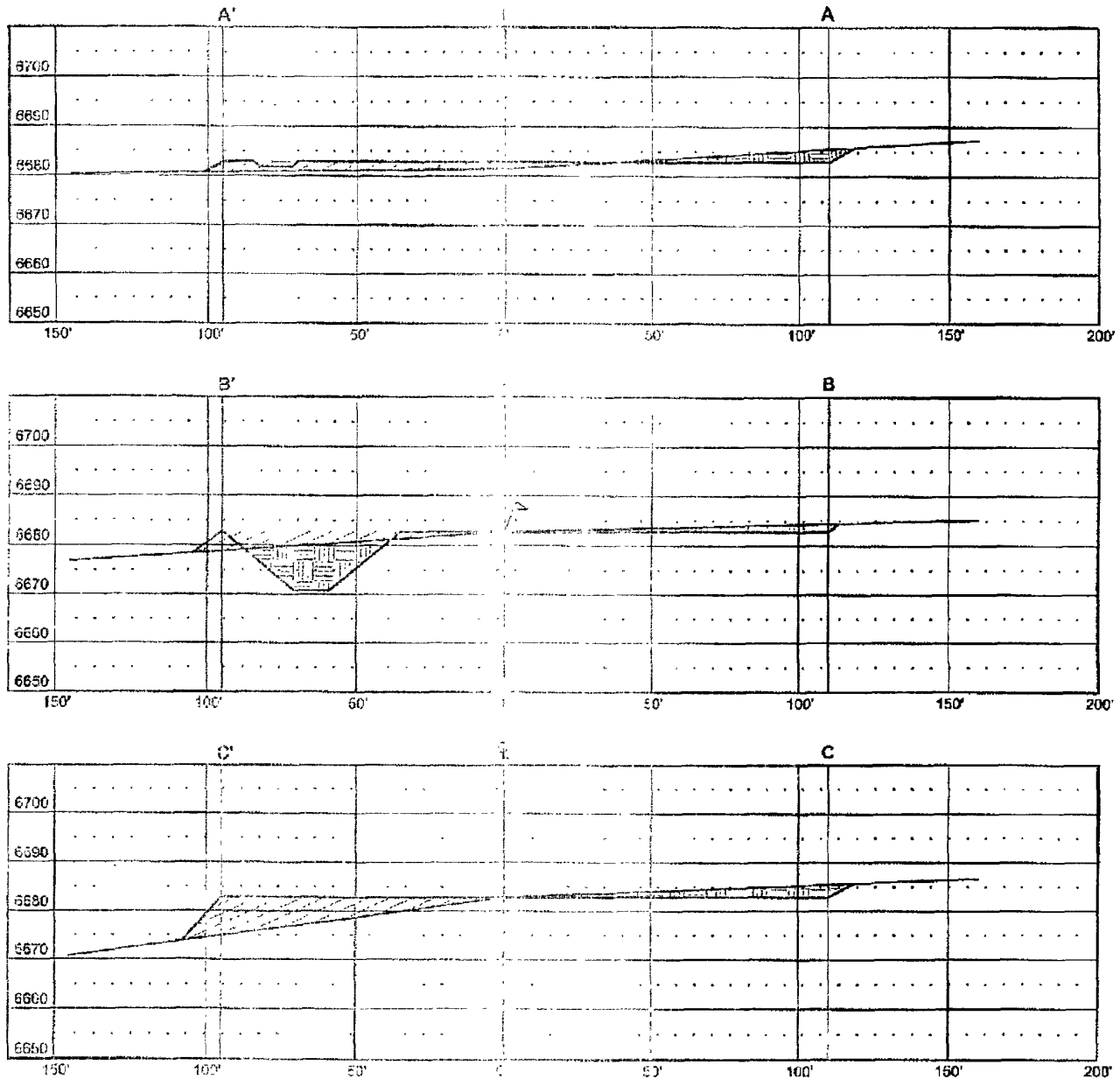
SAN JUAN 29-7 UNIT 588
1605' FSL & 1050' FEL

LOCATED IN THE NE/4 SE/4 OF SECTION 17,
T29N, R7W, N.M.P.M.,

RIO ARriba COUNTY, NEW MEXICO

GROUND ELEVATION: 6683', NAVD 88

FINISHED PAD ELEVATION: 6682.9', 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.: COPC083
DATE: 07/13/07



Russell Surveying
1409 W. Aztec Blvd. #2
Aztec, New Mexico 87410
(505) 334-8637