

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	5. Lease Number USA SF-078399-424
1b. Type of Well GAS	6. If Indian, All. or Tribe
2. Operator BURLINGTON RESOURCES Oil & Gas Company, LP	7. Unit Agreement Name OIL CONS. DIV. 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 DIST. 3
4. Location of Well Unit K (NESW), 2000' FSL & 2210' FWL BH: Unit L (NWSW), 1425' FSL & 710' FWL Latitude 36.70853 N. Longitude 107.54179 W. BH: Latitude 36.70795 N. Longitude 107.54690 W.	9. Well Number #67M 10. Field, Pool, Wildcat Blanco MV/Basin DK 11. Sec., Twn, Rge, Mer. (NMPM) K Sec. 23, T29N, R7W L Sec. 23, T29N, R7W API # 30-039-30440
14. Distance in Miles from Nearest Town 19.3 Miles/Blanco	12. County Rio Arriba
15. Distance from Proposed Location to Nearest Property or Lease Line 2000'	13. State NM
16. Acres in Lease 760-000 2160	17. Acres Assigned to Well MV/DK 320 (W/2)
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 600' from San Juan 29-7 Unit #179	20. Rotary or Cable Tools Rotary
19. Proposed Depth 7520	22. Approx. Date Work will Start
21. Elevations (DF, FT, GR, Etc.) 6255' GL	
23. Proposed Casing and Cementing Program See Operations Plan attached	
24. Authorized by: <u>Jamie Goodwin</u> Jamie Goodwin (Regulatory Technician)	HOLD C16 FOR <u>directional survey & as drilled C-102</u> <u>12/14/07</u> Date

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY [Signature] TITLE RTM DATE 12/14/07

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 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

JAN 16 2008

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

RECEIVED

DEC 17 2007

Bureau of Land Management

Farmington Field Office Form C-102

Revised October 12, 2005

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

State of New Mexico
Energy, Minerals & Natural Resources Department

DISTRICT II
1501 W. Grand Avenue, Artesia, N.M. 88210

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

DISTRICT III
1000 Edo Brenos Rd., Aztec, N.M. 87410

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

DISTRICT IV
1230 E. St. Francis Dr., Santa Fe, NM 87505

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-039- 30440		*Pool Code 71599 / 72319	*Pool Name BASIN DAKOTA, BLANCO MESAVERDE
*Property Code 7465	*Property Name SAN JUAN 29-7 UNIT		*Well Number 67M
*OBSD No. 14538	*Operator Name BURLINGTON RESOURCES OIL AND GAS COMPANY LP		*Elevation 6255'

10 Surface Location

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
K	23	29N	7W		2000'	SOUTH	2210'	WEST	RIO ARRIBA

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
L	23	29N	7W		1425'	SOUTH	710'	WEST	RIO ARRIBA

*Dedicated Acres 320.00 Acres - (W/2)	*Leak or Infill	*Consolidation Code	*Order No.
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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

10

LEASE # USA
SF-078349

LEASE # USA
SF-078424

LEASE # FEE

FLAG
LAT. 38.70833° N (NAD83)
LONG. 107.54170° W (NAD83)

BOTTOM HOLE
LAT. 38.70796° N (NAD83)
LONG. 107.54680° W (NAD83)

DIRECTIONAL DRILL
LAT. 38.42.57140° N (NAD27)
LONG. 107.32.47101° W (NAD27)

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 mineral interest believed to be 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 or a compulsory pooling order heretofore entered by the division.

Patsy Clugston 8/28/07
Signature Date
Patsy Clugston
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.

AUGUST 2, 2007
Date of Survey

David B. Russell
Signature and Seal of Professional Surveyor

DAVID B. RUSSELL
NEW MEXICO
10201
PROFESSIONAL LAND SURVEYOR

DAVID RUSSELL
Certificate Number 10201

Office

Energy, Minerals and Natural Resources

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- 30440

5. Indicate Type of Lease

STATE ☐FEE ☐

6. State Oil & Gas Lease No.

USA SF-078424

7. Lease Name or Unit Agreement Name

San Juan 29-7 Unit

8. Well Number

67M

9. OGRID Number

14538

10. Pool name or Wildcat

Basin DK / Blanco MV

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 K : 2000 feet from the South line and 2210 feet from the West line
 Section 23 Township 29N Range 7W NMPM County Rio Arriba

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

6255' GL

Pit or Below-grade Tank Application

☒ or Closure ☐

<200

Pit type Workover 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 ☐**SUBSEQUENT REPORT OF:**REMEDIAL WORK ☐ALTERING CASING ☐COMMENCE DRILLING OPNS. ☐P AND A ☐CASING/CEMENT JOB ☐

OTHER:

Drilling Pit ☒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

Sasha Spangler

TITLE

Regulatory Technician

DATE

10/10/2007

Type or print name

Sasha Spangler

E-mail address:

Telephone No.

505-326-9568

For State Use Only

Deputy Oil & Gas Inspector,

District #3

APPROVED BY

[Signature]

TITLE

DATE

JAN 16 2008

Conditions of Approval (if any): Pits to be closed per Rule 60. F.1

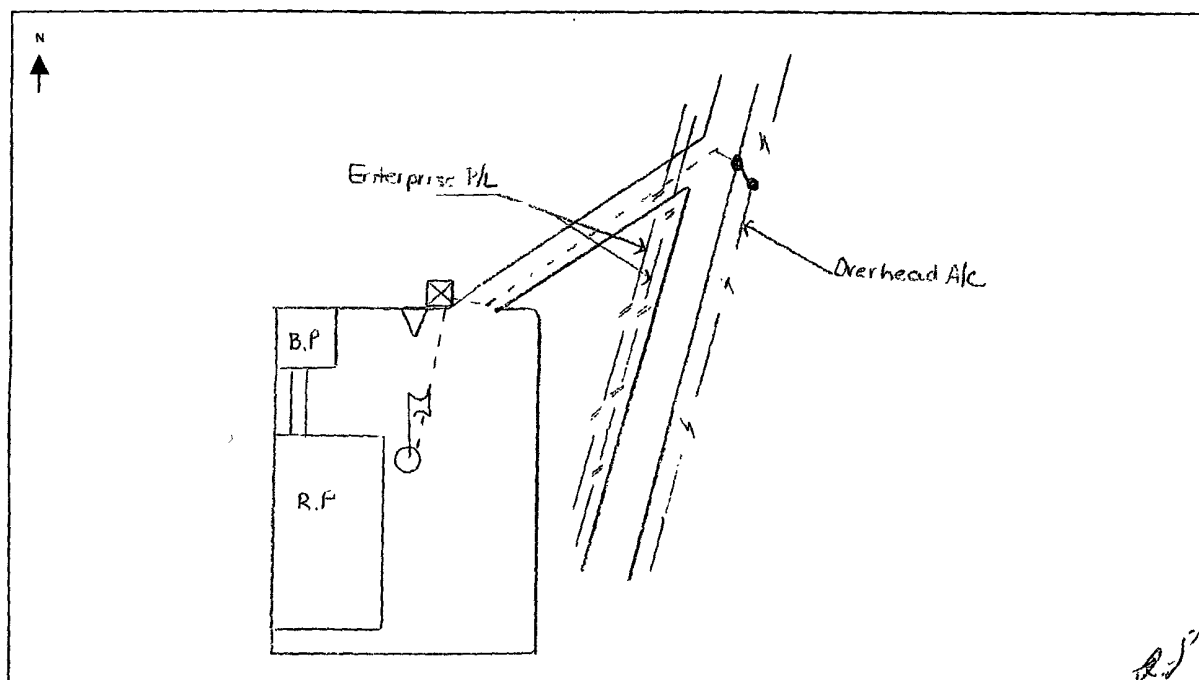


TECHNICAL SERVICES
A CORROSION COMPANY

CATHODIC PROTECTION PLAN FOR NEW WELLS

WELL NAME ST 29-7 #67M LEGALS K-23-29-2 COUNTY Kimberly

PURPOSED C.P. SYSTEM: Drill GB and set rectifier on N edge of location (W side of lease access). Set MP of existing span pole and trench approx 150' of ALC to rectifier. Trench approx 200' of #8 neg from proposed well to GB.



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

COMMENTS: possible solar ALC over 500' per Randy

NEAREST POWER SOURCE Overhead ALC DISTANCE: 150'
PIPELINES IN AREA: Enterprise P/L x2

TECHNICIAN: Michelle Hingorani DATE: 10/9/01

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 29-7 UNIT 67M

DEVELOPMENT

Lease:		AFE #: WAN.CDR.7155				AFE \$:	
Field Name: hBR_SAN JUAN 29-7 UNIT		Rig: Aztec Rig 730		State: NM	County: RIO ARRIBA	API #:	
Geologist:		Phone:		Geophysicist:		Phone:	
Geoscientist: Riley, Brook		Phone: +1 505-324-6108		Prod. Engineer:		Phone:	
Res. Engineer: McKee, Cory J		Phone: 505-326-9826		Proj. Field Lead:		Phone:	
Primary Objective (Zones):							
Zone	Zone Name						
RON	BLANCO MESAVERDE (PRORATED GAS)						
FRR	BASIN DAKOTA (PRORATED GAS)						
Location: Surface Datum Code: NAD 27							
Latitude: 36.709523	Longitude: -107.541183	X:	Y:	Section: 23		Range: 007W	
Footage X: 2210 FWL	Footage Y: 2000 FSL	Elevation: 6255	(FT)	Township: 029N			
Tolerance:							
Location: Bottom Hole Datum Code: NAD 27							
Latitude: 36.707953	Longitude: -107.546293	X:	Y:	Section: 23		Range: 007W	
Footage X: 710 FWL	Footage Y: 1425 FSL	Elevation:	(FT)	Township: 029N			
Tolerance:							
Location Type: Year Round		Start Date (Est.): 1/1/2008		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 6271		Units = FT					
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks	
Surface Casing	215	6056	☐			12-1/4" hole. 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 170 cu. ft. Circulate cement to surface.	
OJAM	2167	4104	☐				
KRLD	2298	3973	☐				
FRLD	2579	3692	☐			Possible Gas	
PCCF	3068	3203	☐				
LEWS	3238	3033	☐				
CHRA	4043	2228	☐				
Intermediate Casing	4300	1971	☐			8-3/4" hole. 7", 23.0 ppf, L-80, LT&C casing. Cement with 1048 cu. ft. Circulate cement to surface.	
UCLFH	4611	1660	☐			Gas	
MASSIVE CLIFF HOUSE	4798	1473	☐	614		Gas	
MENF	4916	1355	☐				
PTLK	5249	1022	☐				
MNCS	5641	630	☐				
GLLP	6551	-280	☐				
GRHN	7215	-944	☐				
GRRS	7272	-1001	☐				
TWLS	7317	-1046	☐	2200		Gas	
BRO	7427	-1156	☐				
BRL	7455	-1184	☐				
TOTAL DEPTH DK	7520	-1249	☐			6-1/4" hole. 4-1/2", 11.6 ppf, L-80, LT&C casing. Cement with 441 cu. ft. Circulate cement a minimum of 100 ft. inside the previous casing string. No open hole logs. Cased hole TDT with CB to surface.	

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 29-7 UNIT 67M

DEVELOPMENT

ENCINAL	7520	-1249	☐	TD T/ENCN
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, MUDLOG 100' above GRHN to TD							

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

Comments: Location/Tops/Logging - MVNM029N007W23SW2 DK 29N07W23SW1 Avoid N, do not twin, prefer L,M, have significant topo.
Mudlog 100' above GRHN to TD.

Zones - MVNM029N007W23SW2 DK 29N07W23SW1

General/Work Description - 7/18/07-is economic as a DD per CLM wfp
LEWIS INCLUDED

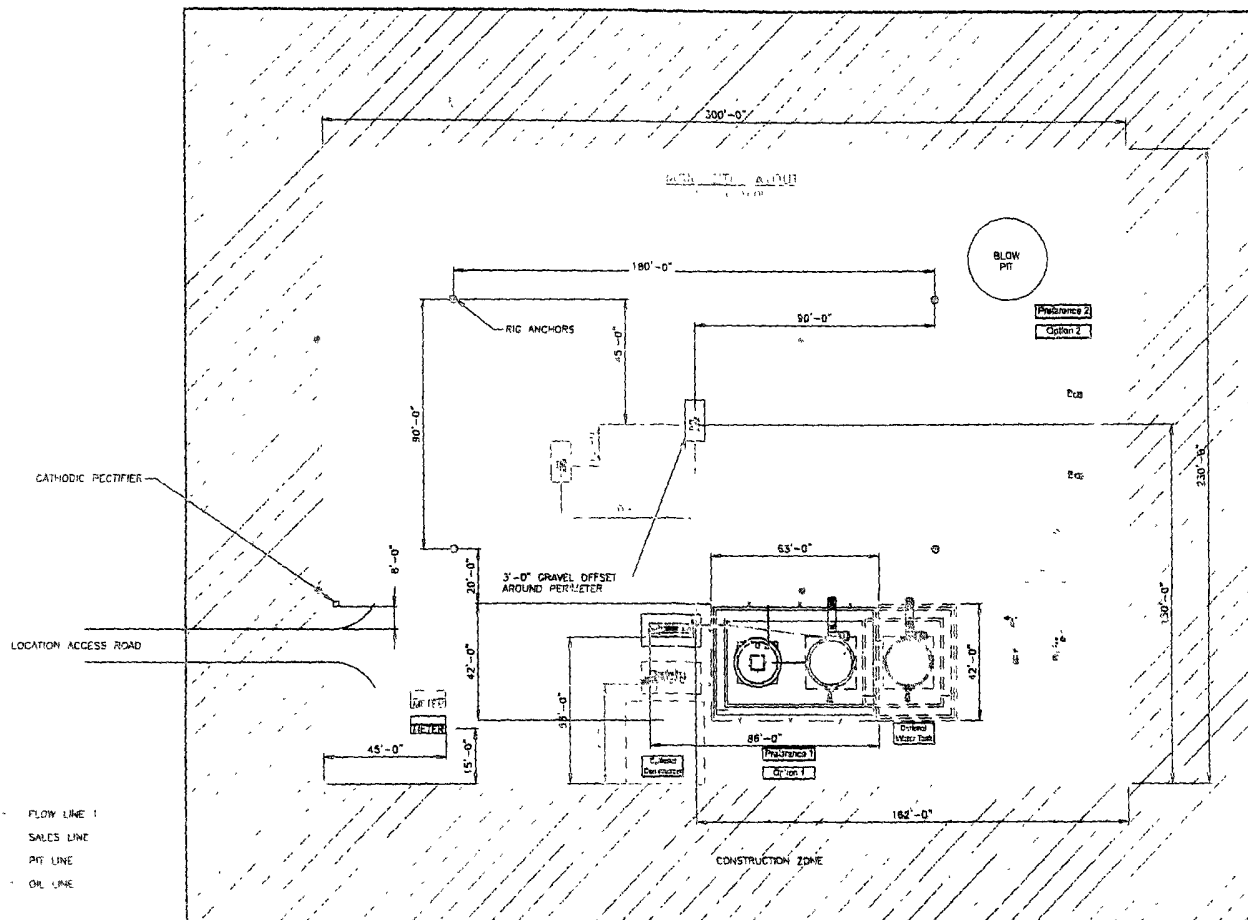
ConocoPhillips or its affiliates

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well SJ 29-7 #67M
Company:	ConocoPhillips Lower 48	TVD Reference:	Generic Rig RKB @ 6270.0ft (Generic Rig)
Project:	San Juan Basin	MD Reference:	Generic Rig RKB @ 6270.0ft (Generic Rig)
Site:	Russell's Site for Directional MV/DK wells	North Reference:	True
Well:	SJ 29-7 #67M	Survey Calculation Method:	Minimum Curvature
Wellbore:	SJ 29-7 #67M		
Design:	APD Directional Plan		

Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (d)	Dip Direction (d)
2,334.3	2,167.0	Ojo		0.00	
2,481.3	2,298.0	Kirtland		0.00	
2,796.7	2,579.0	Fruitland		0.00	
3,345.4	3,068.0	Pictured Cliffs		0.00	
3,536.2	3,238.0	Lewis		0.00	
4,397.2	4,043.0	Chacra		0.00	
4,966.0	4,611.0	Upper Cliffhouse		0.00	
5,153.0	4,798.0	Mass. Cliffhouse		0.00	
5,271.0	4,916.0	Menefee		0.00	
5,604.0	5,249.0	Point Lookout		0.00	
5,996.0	5,641.0	Mancos		0.00	
6,906.0	6,551.0	Upper Gallup		0.00	
7,570.0	7,215.0	Greenhorn		0.00	
7,627.0	7,272.0	Graneros		0.00	
7,672.0	7,317.0	Two Wells		0.00	
7,782.0	7,427.0	Cubero		0.00	
7,810.0	7,455.0	Lower Cubero		0.00	
7,875.0	7,520.0	TD		0.00	
7,875.0	7,520.0	Encinal		0.00	



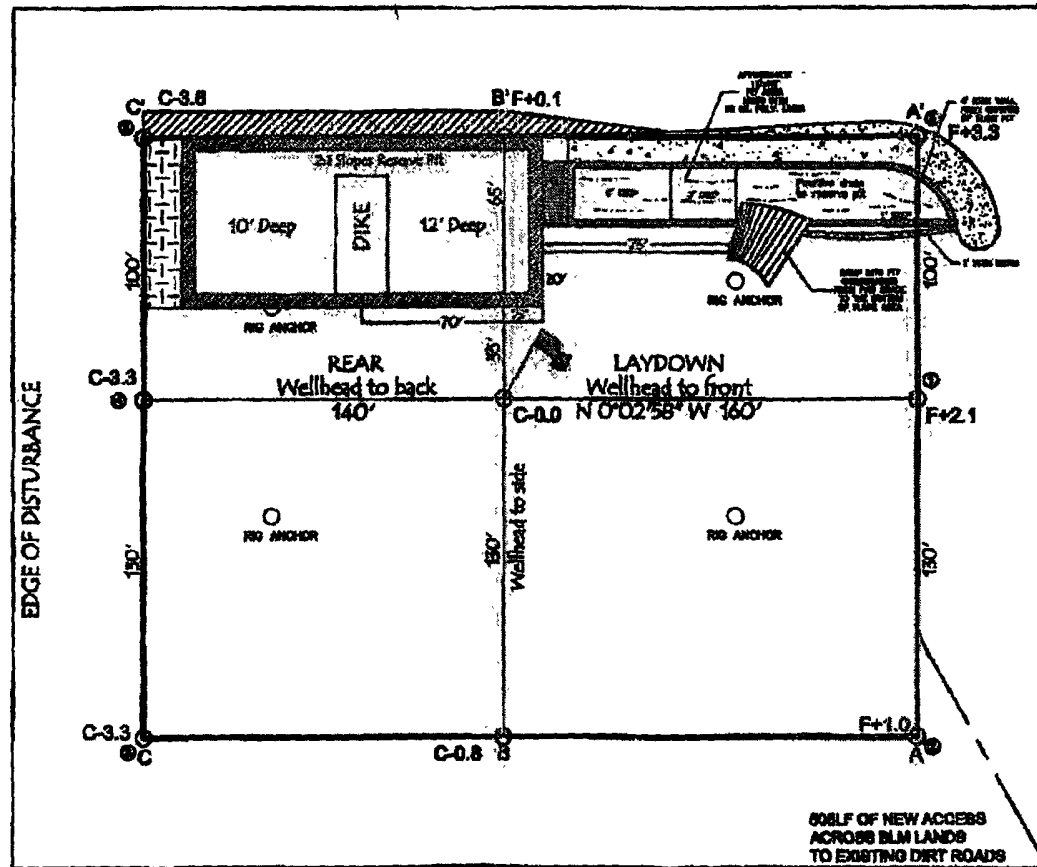
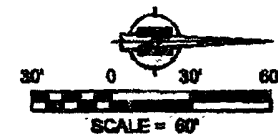
SEE SHEET 2 OF 3 FOR DRIVING DETAILS
ALL DIMENSIONS ARE IN FEET OR FEET AND INCHES

SHEET 1 OF 3

ENGINEERING REVIEW										REFERENCE DRAWINGS		CONOCOPhillips			HIGH PRESSURE 5 PHASE FACILITY DIAGRAM- SITE LAYOUT		
NO.	DESCRIPTION	DATE	BY	CHKD	APP	REV	NO.	DESCRIPTION	DATE	NO.	DESCRIPTION	SAN JUAN BUSINESS UNIT			DATE: 10/10/00		
1	PROCESS						1										
2	MECHANICAL						2										
3	ELECTRICAL						3										
4	HAZARDOUS WASTE						4										
5	ENVIRONMENTAL						5										
6	SAFETY						6										
7	DESIGN						7										
8	CONSTRUCTION						8										
9	OPERATION						9										
10	MAINTENANCE						10										
11	TRAINING						11										
12	COMPLIANCE						12										
13	PERMITTING						13										
14	LEGAL						14										
15	FINANCIAL						15										
16	MARKETING						16										
17	SALES						17										
18	ADMINISTRATIVE						18										
19	GENERAL						19										
20	OTHER						20										

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

FINISHED PAD ELEVATION: 8255.0', NAVD 88



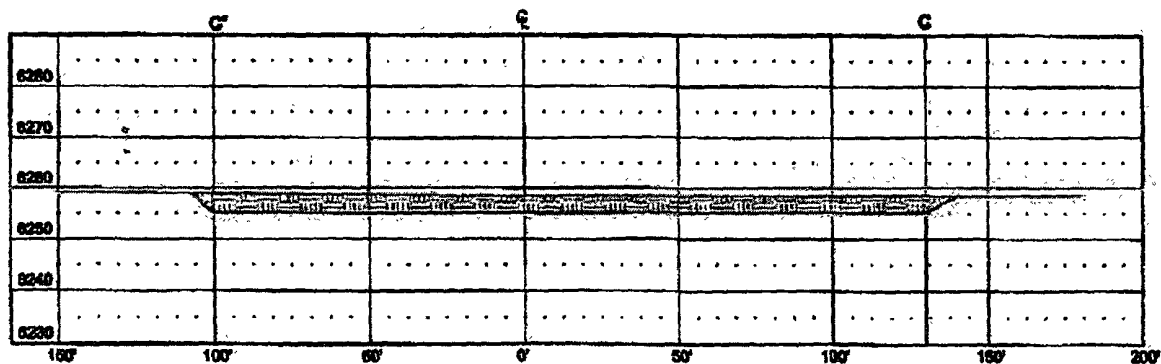
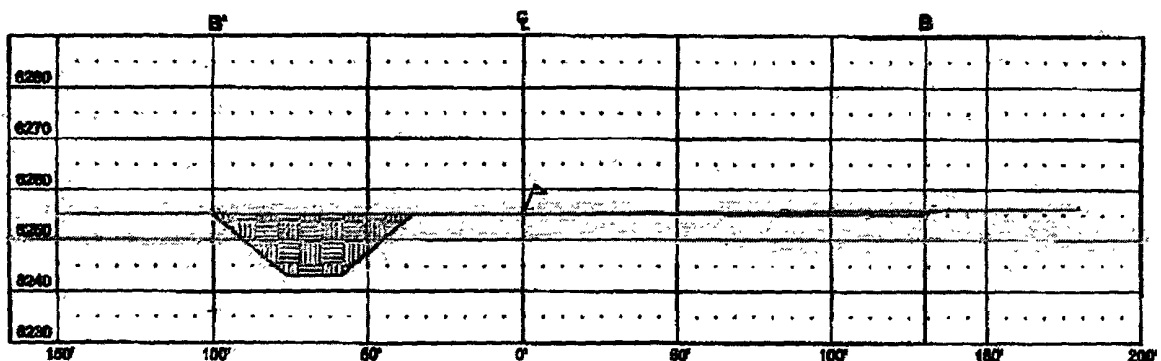
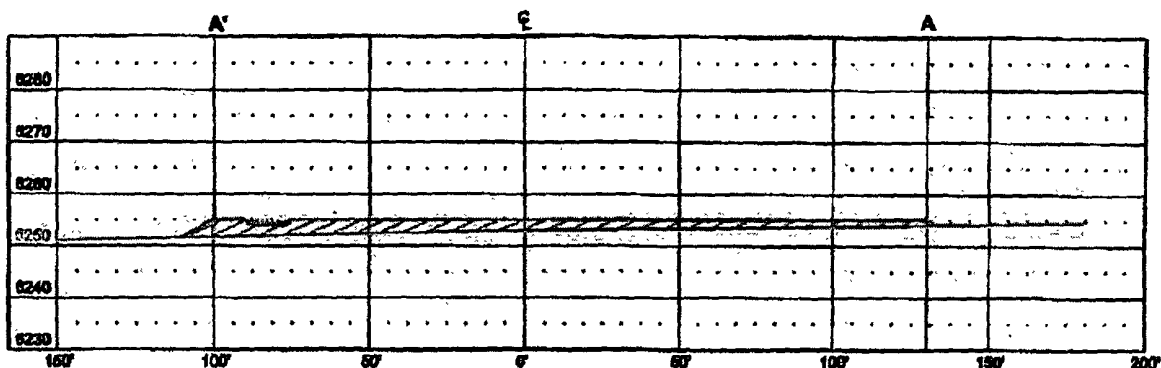
NOTE:
RESERVE PIT DECK: TO BE 5' ABOVE DEEP SIDE (OVERFLOW - 3' WIDE AND 1' ABOVE SHALLOW SIDE).
RUSSELL SURVEYING, INC. IS NOT LIABLE FOR UNDERGROUND UTILITIES OR PIPELINES.
CONTRACTOR SHOULD CALL ONE-CALL FOR LOCATION OF ANY MARKED OR UNMARKED, BURIED PIPELINES OR
CABLES ON WELL PAD, IN CONSTRUCTION ZONE AND/OR ACCESS ROAD AT LEAST TWO (2) WORKING DAYS PRIOR
TO CONSTRUCTION.

Russell Surveying
1400 W. Aztec Blvd. #2
Aztec, New Mexico 87410
(505) 334-5537

LATITUDE: 36.70953°N
 LONGITUDE: 107.54179°W
 DATUM: NAD 83

BURLINGTON RESOURCES O&G CO LP

SAN JUAN 28-7 UNIT 87M
 2000' FSL & 2210' FWL
 LOCATED IN THE NE4 SW/4 OF SECTION 23,
 T28N, R7W, N.M.P.M.,
 RIO ARriba COUNTY, NEW MEXICO
 GROUND ELEVATION: 6255.0', NAVD 88
 FINISHED PAD ELEVATION: 6255.0', 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'
 HORIZ. SCALE: 1" = 50'
 JOB No.: COPC085
 DATE: 08/15/07



Russell Surveying
 1408 W. Aztec Blvd. #2
 Aztec, New Mexico 87410
 (505) 334-9637