

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-080675 Unit Reporting Number NMNM-78408B-DK NMNM-78408A-MV
1b. Type of Well GAS	6. If Indian, All. or Tribe RCVD MAR 12 '08
2. Operator BURLINGTON RESOURCES Oil & Gas Company, LP	7. Unit Agreement Name OIL CONS. DIV. San Juan 27-4 Unit DIST. 3
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 E (SW/NW), 1610' FNL & 1030' FWL BH: Unit C (NE/NW), 530' FNL & 2060' FWL SURF: Latitude 36.547020 N Longitude 107.240214 W BH: Latitude 36.549996/Longitude 107.240214	9. Well Number #133N 10. Field, Pool, Wildcat Blanco MV/Basin DK 11. Sec., Twn, Rge, Mer. (NMPM) E Sec. 27, T27N, R4W API # 30-039- 30420
14. Distance in Miles from Nearest Town 57 mile/Bloomfield	12. County Rio Arriba
15. Distance from Proposed Location to Nearest Property or Lease Line 530'	13. State NM
16. Acres in Lease 2395.610 2400.00	17. Acres Assigned to Well DK & MV - 320 (W/2)
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 50' SJ 27-4 133A	
19. Proposed Depth 8504'	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 7200' GL	22. Approx. Date Work will Start
23. Proposed Casing and Cementing Program See Operations Plan attached	
24. Authorized by: <u>Sasha Spangler</u> Sasha Spangler (Regulatory Technician)	11-5-07 Date

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY [Signature] TITLE AFM DATE 3/11/08

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

HOLD C104 FOR directional survey
As drilled 6102

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

MAR 19 2008 AV

NOTIFY AZTEC OCD 24 HRS.
PRIOR TO CASING & CEMENT

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

RECEIVED

NOV 05 2007

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesian, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised October 2005
Bureau of Land Management
Farmington Field Office
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039 - 30420	² Pool Code 72319/71599	³ Pool Name Polanco MESAVERDE / DAKOTA
⁴ Property Code 7452	⁵ Property Name SAN JUAN 27-4 UNIT	
⁷ OGRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL AND GAS COMPANY LP	
		⁶ Well Number 133N
		⁹ Elevation 7200

¹⁰ SURFACE LOCATION

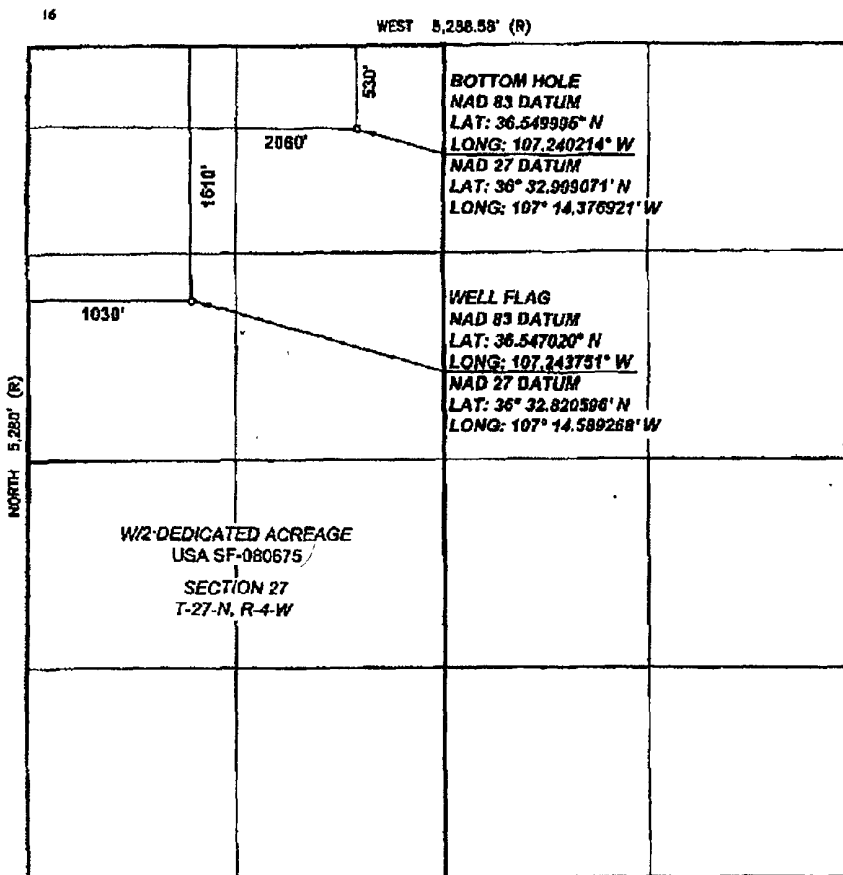
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	27	27-N	4-W		1610	NORTH	1030	WEST	RIO ARriba

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
C	27	27-N	4-W		530	NORTH	2060	WEST	RIO ARriba

¹² Dedicated Acres 320 W/2	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ 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



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 unshared 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 such a mineral or working interest, or in a voluntary pooling agreement or a compulsory pooling order heretofore entered by the Division.

Signature: *Rhonda Rogers*
Printed Name: Rhonda Rogers
Regulatory Technician
Title and E-mail Address:
Date: 9/14/07

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.

Date of Survey: 4/19/07
Signature and Seal of Professional Surveyor:

Certificate Number: NM 11393

Submit 3 Copies To Appropriate District
Office

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

State of New Mexico

Energy, Minerals and Natural Resources

Form C-103

May 27, 2004

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

WELL API NO.

30-039-30420

5. Indicate Type of Lease

STATE ☐

FEE ☐

☒

6. State Oil & Gas Lease No.

7. Lease Name or Unit Agreement Name

SAN JUAN 27-4 UNIT

8. Well Number

#133N

9. OGRID Number

14538

10. Pool name or Wildcat

Basin Dakota/Blanco Mesaverde

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 E : 1610 feet from the North line and 1030 feet from the West line
Section 27 Township 27N Range 4W NMPM County Rio Arriba

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
7200'

Pit or Below-grade Tank Application

☒

or Closure

☐

Pit type Drilling

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:

Workover

☒

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 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 10/8/2007

Type or print name

Sasha Spangler

E-mail address:

Telephone No.

505-326-9568

For State Use Only

APPROVED BY [Signature]

TITLE

Deputy Oil & Gas Inspector,
District #3

DATE

MAR 19 2008

Conditions of Approval (if any):

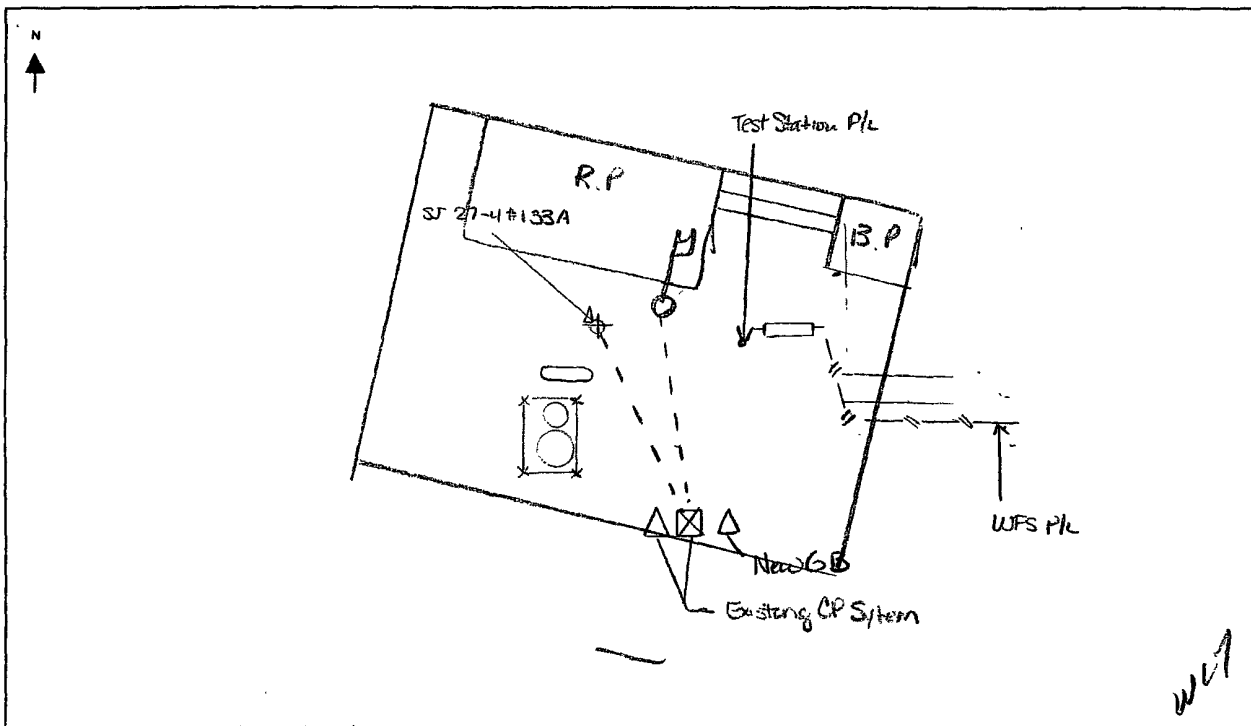


TECHNICAL SERVICES
A CORROSION COMPANY

CATHODIC PROTECTION PLAN FOR NEW WELLS

WELL NAME SJ 27-4 #133N LEGALS E-27-27-4 COUNTY Rio Arriba

PURPOSED C.P. SYSTEM: Drill new GB to east side of existing GB 16' west SD' axis. Upgrade existing solar trench to approx 175' at #3 neg from pumphead well to solar. Retrench neg if need be to #133A



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

COMMENTS: 5.1 x 8.8 a = 1.72 ohm GB

NEAREST POWER SOURCE N/A DISTANCE: _____
PIPELINES IN AREA: _____

TECHNICIAN: Michelle Hingosa DATE: 11/2/07

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 27-4 UNIT 133N

DEVELOPMENT

Lease:		AFE #: WAN.ZA2.7190/7191DK				AFE \$:	
Field Name: hBR_SAN JUAN 27-4 UNIT		Rig: H&P Rig 282		State: NM	County: RIO ARRIBA		API #:
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						
R20002	MESAVERDE(R20002)						
R20076	DAKOTA(R20076)						
<i>Directional</i>							
Location: Surface Datum Code: NAD 27 Straight Hole							
Latitude: 36.547010		Longitude: -107.243152		X:	Y:	Section: 27	Range: 004W
Footage X: 1030 FWL		Footage Y: 1610 FNL		Elevation: 7200 (FT)		Township: 027N	
Tolerance:							
Location Type: Restricted		Start Date (Est.): 1/1/2008		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 7216 Units = FT							
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks	
Total Depth	0	7216	☐				
Surface Casing	200	7016	☐			12-1/4 hole. 200' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 203 cuft. Circulate cement to surface.	
OJAM	3465	3751	☐				
KRLD	3653	3563	☐				
FRLD	3842	3374	☐			Possible Gas	
PCCF	4075	3141	☐				
LEWS	4252	2964	☐				
Intermediate Casing	4352	2864	☐			8 3/4" Hole. 7", 20/23 ppf, J-55, STC/LTC Casing. Cement with 1040 cuft. Circulate cement to surface.	
CHRA	5012	2204	☐				
UCLFH	5627	1589	☐			Gas	
MASSIVE CLIFF HOUSE	5745	1471	☐	743		Gas	
MENF	5875	1341	☐				
PTLK	6215	1001	☐				
MNCS	6732	484	☐				
GLLP	7370	-154	☐				
GRHN	8180	-964	☐				
GRRS	8244	-1028	☐				
TWLS	8267	-1051	☐	1200		Gas	
CBRO	8399	-1183	☐				
CBRL	8440	-1224	☐				
OAK CANYON	8484	-1268	☐				
ENCINAL	8504	-1288	☐			TD T/ENCN	
TOTAL DEPTH DK	8504	-1288	☐			6-1/4" Hole. 4-1/2", 10.5/11.6 ppf, J-55 STC casing. Cement with 565 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 27-4 UNIT 133N

DEVELOPMENT

Intermediate	SJ 27-4 Unit 142B	SWSE 21-27N-04W
Intermediate	SJ 27-4 Unit 101	NE 28-27N-04W

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
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Comments: Location/Tops/Logging - DK 27N04W27NW2 AND MVNM027N004W27NW2 - Estimated Perf 8177. New Loc 5/17/07.

Zones - DK 27N04W27NW2 AND MVNM027N004W27NW2

General/Work Description -

Already a MV well in the same Qtr/Qtr - SJ 27-4 #133A. plc 7/30/07

ConocoPhillips or its affiliates

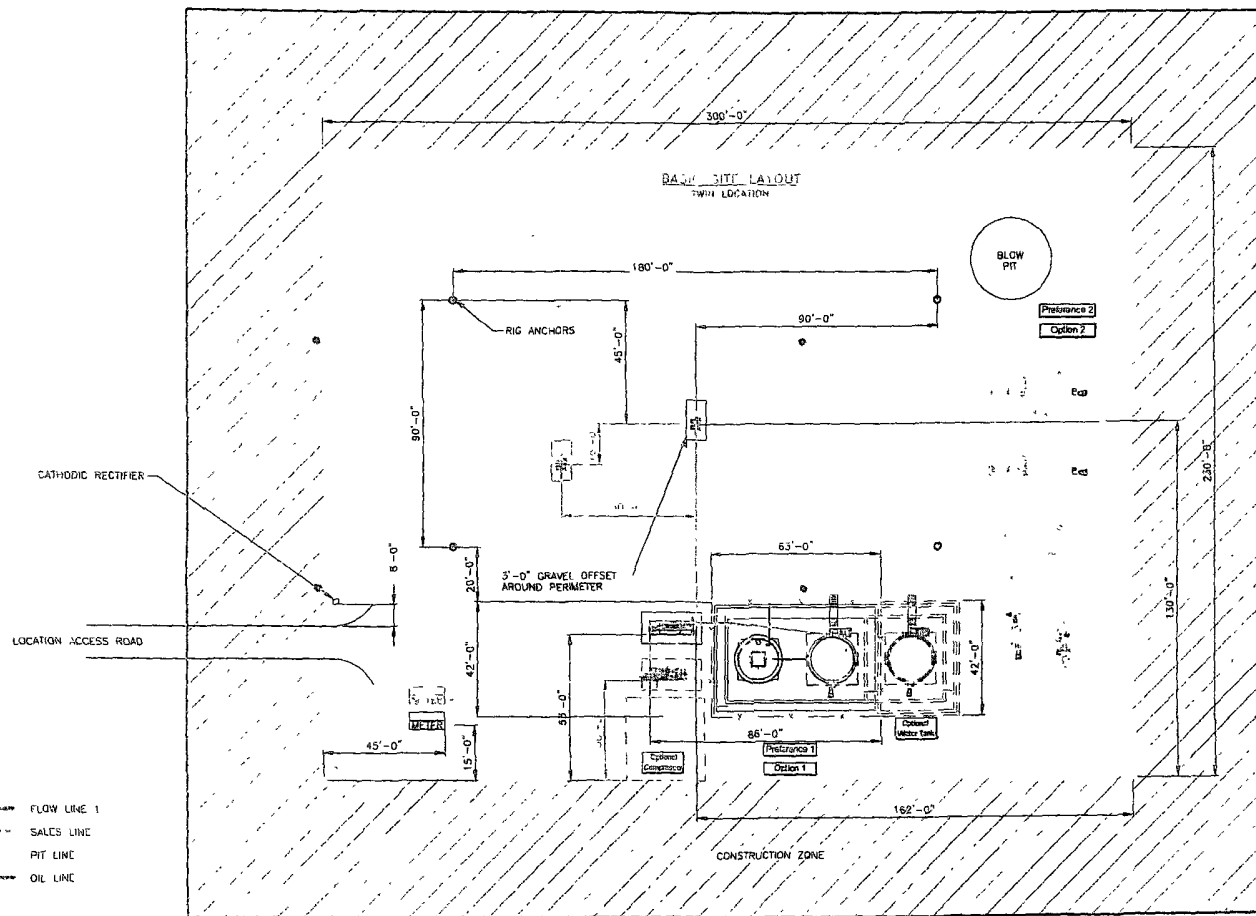
Survey Report

Company:	ConocoPhillips/SJBU	Local Co-ordinate Reference:	Well SJ 27-4 #133N
Project:	San Juan Basin	TVD Reference:	WELL @ 7215.0ft (Original Well Elev)
Site:	Monty's Site for directional MV/DK wells	MD Reference:	WELL @ 7215.0ft (Original Well Elev)
Well:	SJ 27-4 #133N	North Reference:	True
Wellbore:	SJ 27-4 #133N	Survey Calculation Method:	Minimum Curvature
Design:	Plan #1	Database:	EDM Central Planning

Targets									
Target Name	hit/miss target	Dip Angle	Dip Dir	TVD	+N/-S	+E/-W	Northing	Easting	
- Shape		(°)	(°)	(ft)	(ft)	(ft)	(m)	(m)	
									Latitude Longitude
SJ 27-4 #133N - ICP		0 00	0.00	4,352.0	1,080.0	1,030.0	324 71	318 70	30° 59' 35.201 N 109° 25' 32.261 W
- plan hits target									
- Point									
SJ 27-4 #133N - PCP		0 00	0 00	8,504.0	1,080 0	1,030 0	324.71	318 70	30° 59' 35 201 N 109° 25' 32.261 W
- plan hits target									
- Point									

Formations						
Measured Depth	Vertical Depth	Name	Lithology	Dip	Dip Direction	
(ft)	(ft)			(°)	(°)	
8,792.2	8,484.0	Oak Canyon		0.00		
6,523.2	6,215.0	Pt. Lookout		0.00		
7,678.2	7,370.0	Gallup		0.00		
8,707.2	8,399.0	Upper Cubero		0.00		
5,320.2	5,012.0	Chacra		0.00		
4,560.2	4,252.0	Lewis		0 00		
7,040.2	6,732.0	Mancos Shale		0 00		
3,738.5	3,465.0	Ojo Alamo		0.00		
8,488.2	8,180.0	Greenhorn		0.00		
4,382.2	4,075.0	Pictured Cliffs		0.00		
6,183.2	5,875.0	Menefee		0.00		
8,748.2	8,440.0	Lower Cubero		0.00		
3,944.6	3,653.0	Kirtland		0 00		
8,552.2	8,244.0	Graneros		0 00		
8,812.2	8,504.0	TD		0 00		
5,935.2	5,627.0	Cliffhouse		0 00		
6,053.2	5,745.0	Mass. Cliffhouse		0.00		
4,144.0	3,842.0	Fruitland		0 00		
8,575.2	8,267.0	Two Wells		0.00		

Checked By: _____ Approved By: _____ Date: _____



SEE SHEET 2 OF 5 FOR PIPING DETAILS
ALL UNDERGROUND PIPE IS TO BE BURIED - MIN. OF 3'-0" TOP

SHEET 1 OF 5

										ENGINEERING REVIEW			REFERENCE DRAWINGS			ConocoPhillips			CONOCOPHILLIPS HIGH PRESSURE 3 PHASE FACILITY DIAGRAM - SITE LAYOUT			
										DESCRIPTION	REMOVED	TITLE	REV	DESCRIPTION								
										PROCESS												
										MECHANICAL												
										PIPELINE												
										ELECTRICAL												
										I & C												
										CON/STRUCTURAL												
DESCRIPTION										DATE	BY	CHK'D	ENG	DES	REV	SAN JUAN BUSINESS UNIT			CLIENT NO.	CLIENT APPR.	ISSUE DATE	
																			SCALE: 1/8"=1'	DRAWN DATE 6/20/07	SHEET NO.	
																			DATE	HP3PHASE-REV1	1 OF 5	

Address: 5140 Phillips Avenue, Houston, TX 77056-1000, 28/28/2007 - 020390

BURLINGTON RESOURCES OIL & GAS COMPANY LP

SAN JUAN 27-4 UNIT 133N

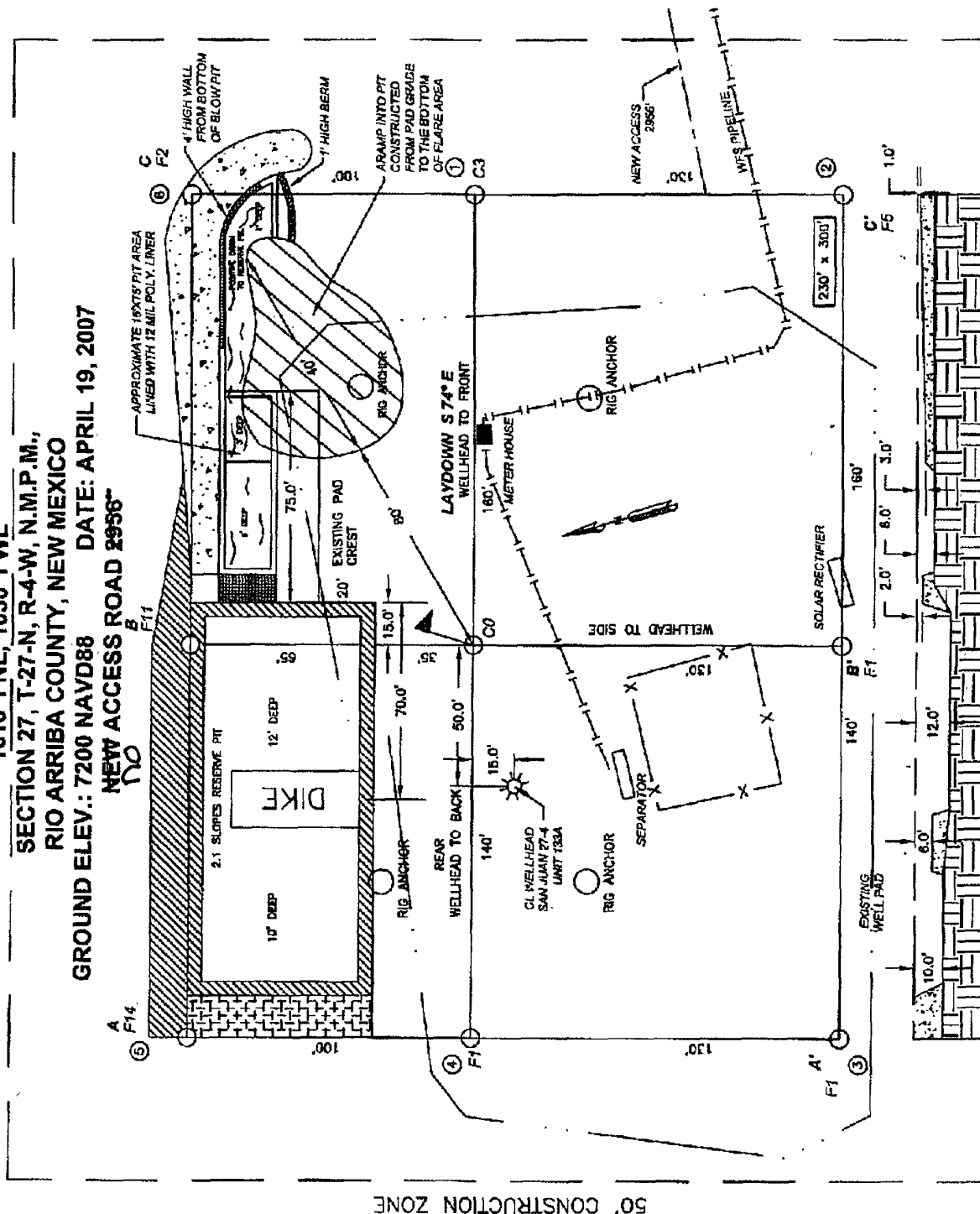
1610' FNL, 1030' FWL

SECTION 27, T-27-N, R-4-W, N.M.P.M.,
RIO ARriba COUNTY, NEW MEXICO

GROUND ELEV.: 7200 NAVD88 DATE: APRIL 19, 2007

NEW ACCESS ROAD 2956"

- NOTES:
1. RESERVE PIT DIKE: TO BE 8' ABOVE DEEP SIDE (OVERFLOW-3' WIDE AND 1' ABOVE SHALLOW SIDE).
 2. C.C.I. SURVEYS 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 AND OR ACCESS ROAD AT LEAST TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION.



330' x 400' = 3.03 ACRES

PIT CROSS SECTION

NAD 83 LAT.: 36.547020° N LONG.: 107.243751° W

P.O. BOX 328
BLOOMFIELD, NM, 87413
PHONE: (505) 925-7707

CCI

CHENAU CONSULTING INC.

BURLINGTON RESOURCES OIL & GAS COMPANY LP

SAN JUAN 27-4 UNIT 133N

1610' FNL, 1030' FWL

SECTION 27, T-27-N, R-4-W, N.M.P.M.,

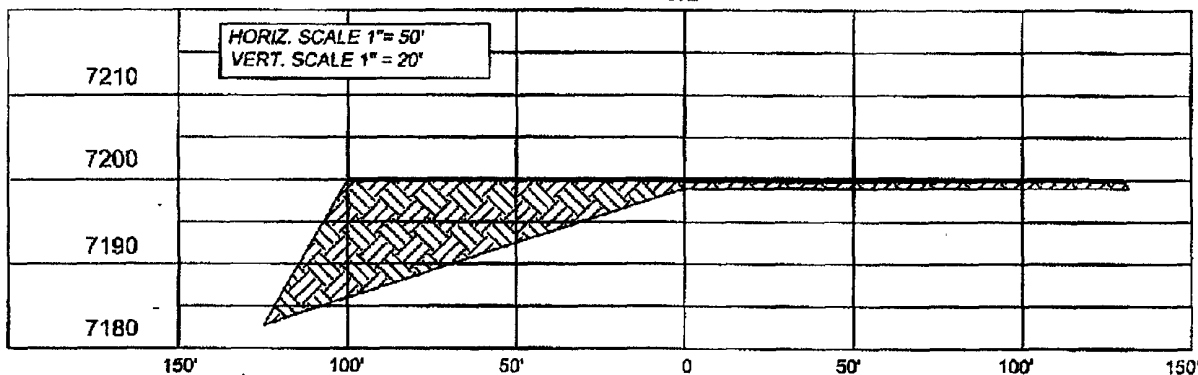
RIO ARriba COUNTY, NEW MEXICO

ELEV.: 7200 NAVD88

No NEW ACCESS ROAD 2950'

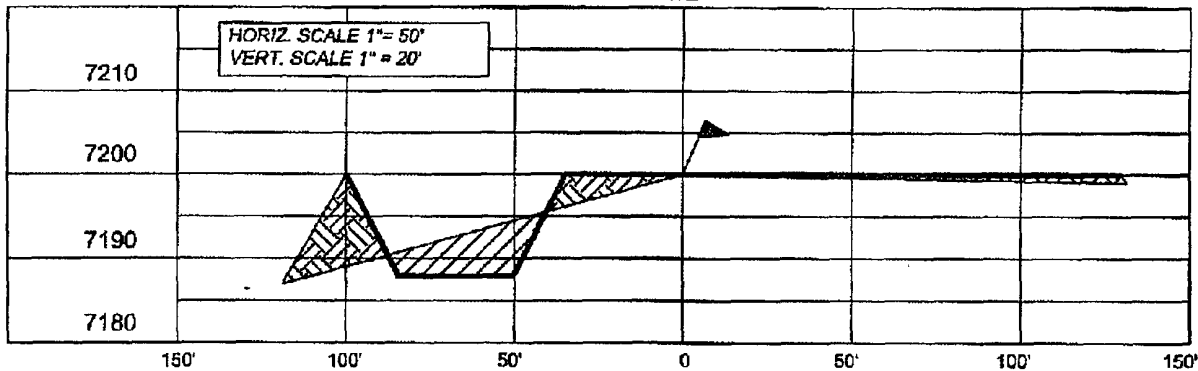
A - A'

C/L



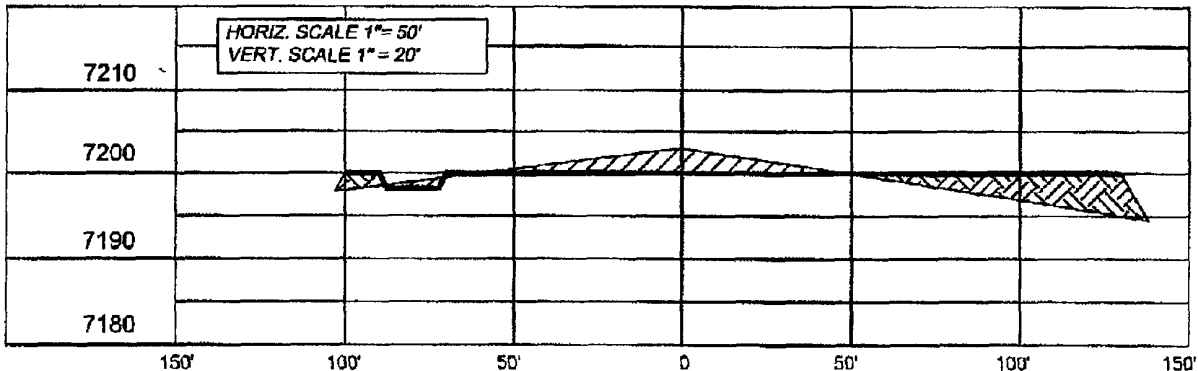
B - B'

C/L



C - C'

C/L



NOTE: CCI 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 AND OR ACCESS ROAD PRIOR TO CONSTRUCTION.

REVISIONS

NO.	DESCRIPTION	REVISED BY	DATE
1	ISSUE FOR REVIEW	L.H.	4/19/07
2	BOTTOM HOLE	L.H.	8/2/07

CCI

P.O. BOX 328
BLOOMFIELD, NM, 87413
PHONE: (505) 325-7707

CHEHAULT CONSULTING INC.