

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RCVD MAY 6 '08
OIL CONS. DIV.

DIST. 3

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	RECEIVED FEB 13 2008 Bureau of Land Management Farmington Field Office	5. Lease Number USA SF - 080668 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 27-4 Unit	
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name	9. Well Number #140C
4. Location of Well Unit I (NESE), 1790' FSL & 240' FEL Unit O (SWSE), 1200' FSL & 1930' FEL Latitude 36.585555556 N. Longitude 107.230255556 W. Latitude 36.5836700000 N. Longitude 107.2364700000 W.	10. Field, Pool, Wildcat Blanco Mesaverde/Basin Dakota	11. Sec., Twn, Rge, Mer. (NMPM) Sec. 10, T27N, R4W Sec. 10, T27N, R4W API # 30-039-30484
14. Distance in Miles from Nearest Town 18' Miles/Gobernador, NM	12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1790'	17. Acres Assigned to Well MV/DK 320.0 (E/2)	
16. Acres in Lease 2557.800	18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 52' from San Juan 27-4 Unit 140/MV	
19. Proposed Depth TD/8474 - 8134	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6799.2' GL	22. Approx. Date Work will Start	
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by: <u>Jamie Goodwin</u> Jamie Goodwin (Regulatory Technician)	Date <u>2/11/08</u>	

PERMIT NO.

APPROVAL DATE

APPROVED BY [Signature]

TITLE AFM

DATE 5/2/08

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

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

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

MAY 08 2008

NMOCD

ACTION DOES NOT RELIEVE THE LESSEE AND OPERATOR FROM OBTAINING ANY OTHER AUTHORIZATION REQUIRED FOR OPERATIONS ON FEDERAL AND INDIAN LANDS

NOTIFY AZTEC OCD 24 HRS.
PRIOR TO CASING & CEMENT

RECEIVED

FEB 13 2008

District I

1625 N. French Dr., Hobbs, NM 88240

District II

1301 W. Grand Avenue, 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 & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102

Revised October 12, 2005

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-30484	² Pool Code 72319/71599	³ Pool Name Blanco	³ Basin MESAVERDE/DAKOTA
⁴ Property Code 7452	⁵ Property Name SAN JUAN 27-4		⁶ Well Number 140C
⁷ OGRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP		⁹ Elevation 6799.2

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
I	10	27-N	04-W		1,790	SOUTH	240	EAST	RIO ARriba

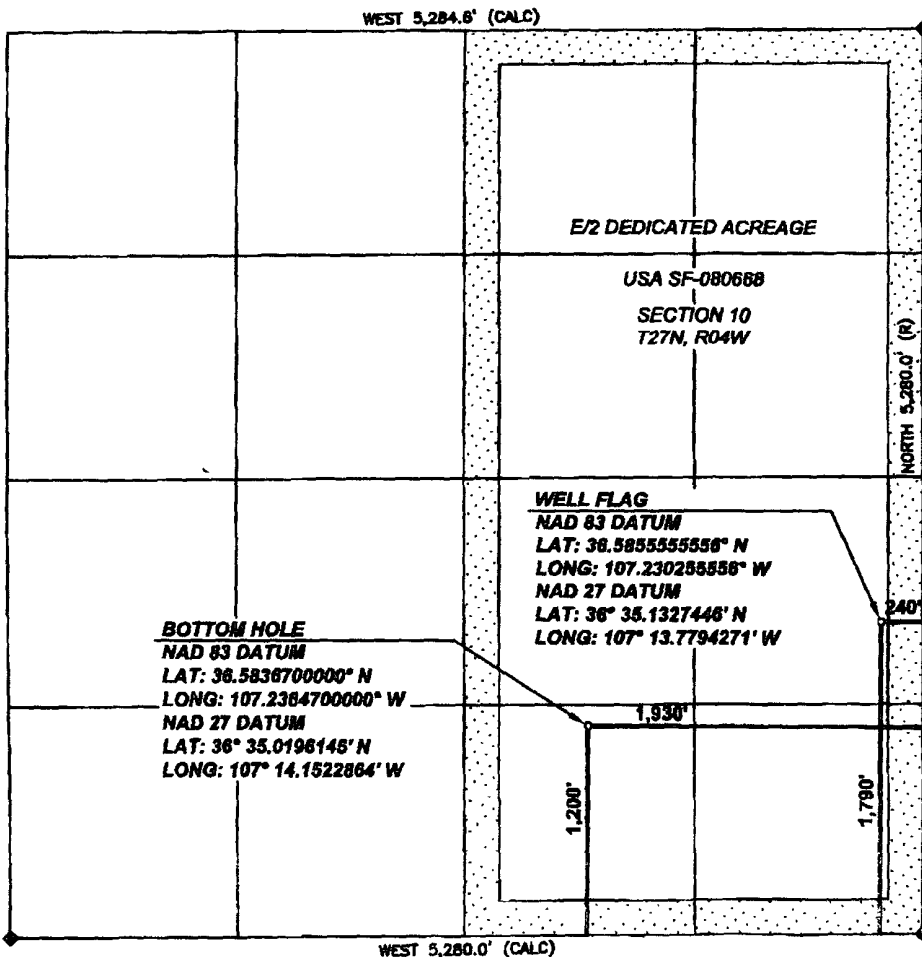
¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn.	Feet from the	North/South line	Feet from the	East/West line	County
O	10	27-N	04-W		1,200	SOUTH	1,930	EAST	RIO ARriba

¹² Dedicated Acres MV-320ac. (E/2) DK-320ac. (E/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

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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 unleased 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 to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. <i>Sasha Spangler</i> Signature Sasha Spangler 11-02-07 Printed Name Regulatory Technician Title and E-mail Address 11-02-07 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. Date of Survey: 11/09/06 Signature and Seal of Professional Surveyor: Certificate Number: NM 11393

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- 30484

5. Indicate Type of Lease

STATE ☒FEE ☐

6. State Oil & Gas Lease No.

SF-080668

7. Lease Name or Unit Agreement Name

San Juan 27-4 Unit

8. Well Number

#140C

9. OGRID Number

14538

10. Pool name or Wildcat

Blanco Mesaverde/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 I : 1790 feet from the South line and 240 feet from the East line
 Section 10 Township 27N Rng 4W NMPM County Rio Arriba

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

6800' GR

Pit or Below-grade Tank Application

or Closure ☐☒ Closed Loop system

<100

Pit type New Drill Depth to Groundwater 250

Distance from nearest fresh water well

>1000'

Distance from nearest surface water

>1000'

Pit Liner Thickness:

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 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 Crystal Walker TITLE Regulatory Technician DATE 2/12/2008

Type or print name

Crystal Walker

E-mail address: tal.walker@conocophillipsTelephone No. 505-326-9837**For State Use Only**

Deputy Oil & Gas Inspector,

District #3

APPROVED BY [Signature]

TITLE

DATE MAY 08 2008

Conditions of Approval (if any):

No below grade pits or tanks

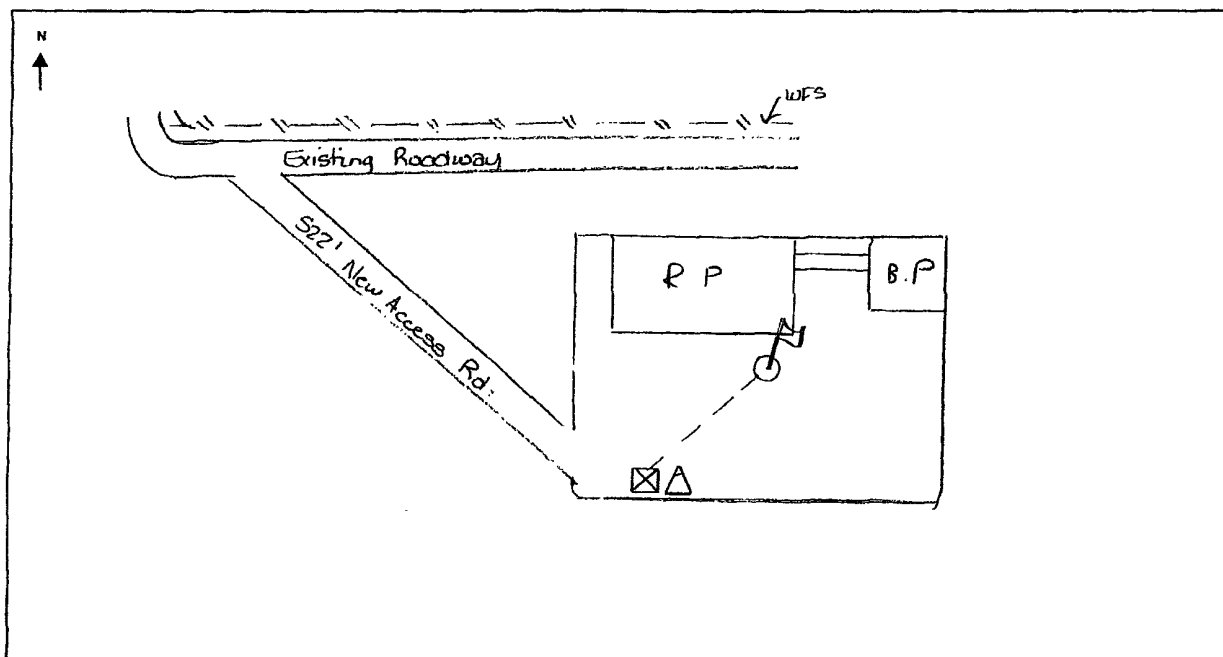


TECHNICAL SERVICES
A CORRIGATOR COMPANY

CATHODIC PROTECTION PLAN FOR NEW WELLS

WELL NAME SS-27-4 #14DC LEGALS J-10-27-4 COUNTY Rio Arriba

PURPOSED C.P. SYSTEM: Drill G.B. and set solar on south edge of location. Trench approx. 200' of #8 neg. cable from solar to wellhead



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

COMMENTS: _____

NEAREST POWER SOURCE _____ DISTANCE: _____

PIPELINES IN AREA: WFS

TECHNICIAN: Michael H. Hingorani DATE: 9/29/06

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 140C

DEVELOPMENT

Lease:		AFE #: WAN.ZA2.7567			AFE \$:	
Field Name: hBR_SAN JUAN 27-4 UNIT		Rig: XXX Deferred PDT		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)					
Location: Surface Datum Code: NAD 27						
Latitude: 36.585546		Longitude: -107.229657		X:	Y:	Section: 10 Range: 004W
Footage X: 240 FEL		Footage Y: 1790 FSL		Elevation: 6799 (FT)	Township: 027N	
Tolerance:						
Location: Bottom Datum Code: NAD 27						
Latitude: 36.583631		Longitude: -107.234656		X:	Y:	Section: 10 Range: 004W
Footage X: 1750 FEL		Footage Y: 1230 FSL		Elevation: (FT)	Township: 027N	
Tolerance: 1930 1200						
Location Type: Restricted		Start Date (Est.): 1/1/2020		Completion Date:		Date In Operation:
Formation Data: Assume KB = 6813 Units = FT						
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	320	6493	☐			12-1/4" hole. 9-5/8", 32.3 ppf, H-40, STC casing. Cement with 320 cubic ft. Circulate cement to surface.
OJO ALAMO	3050	3763	☐			
KIRTLAND	3272	3541	☐			
FRUITLAND	3392	3421	☐			Possible Gas
PICTURED CLIFFS	3645	3168	☐			
LEWIS	3771	3042	☐			
HUERFANITO BENTONITE	3976	2837	☐			
CHACRA	4653	2160	☐			
Intermediate Casing	4800	2013	☐			8-3/4" hole. 7", 23 ppf, L-80, LTC casing. Cement with 1149 cubic ft. Circulate cement to surface.
UPPER CLIFF HOUSE	5263	1550	☐			Gas
MASSIVE CLIFF HOUSE	5450	1363	☐	820		Gas
MENEFEE	5533	1280	☐			
POINT LOOKOUT	5852	961	☐			
MANCOS	6172	641	☐			
GALLUP	6870	-57	☐			
GREENHORN	7810	-997	☐			
GRANEROS	7876	-1063	☐			
TWO WELLS	7933	-1120	☐	1300		Gas
PAGUATE	8001	-1188	☐			
CUBERO	8017	-1204	☐			
LOWER CUBERO	8060	-1247	☐			
OAK CANYON	8111	-1298	☐			

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 27-4 UNIT 140C

DEVELOPMENT

ENCINAL	8134	-1321	☐
Total Depth	8134	-1321	☐

6-1/4" hole, 4-1/2", 11.6 ppf, L-80, LTC casing. Cement with 456 cubic ft. Circulate cement a minimum of 100' inside the previous casing string.

Reference Wells:		
Reference Type	Well Name	Comments
Production	27-4 #140	SE 10-27N-4W
Production	SJ 27-4 #139M	SE 09-27N-4W
Production	SL 27-4 #143A	SE 22-27N-4W
Production	SJ 27-4 #3A	SE 15-27N-4W
Production	SJ 27-4 #98	SW 10-27N-4W
Production	SJ 27-4 #22	SW 14-27N-4W

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 from 100' above Greenhorn to TD - mudlogger will call TD.							

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

ConocoPhillips or its affiliates Planning Report

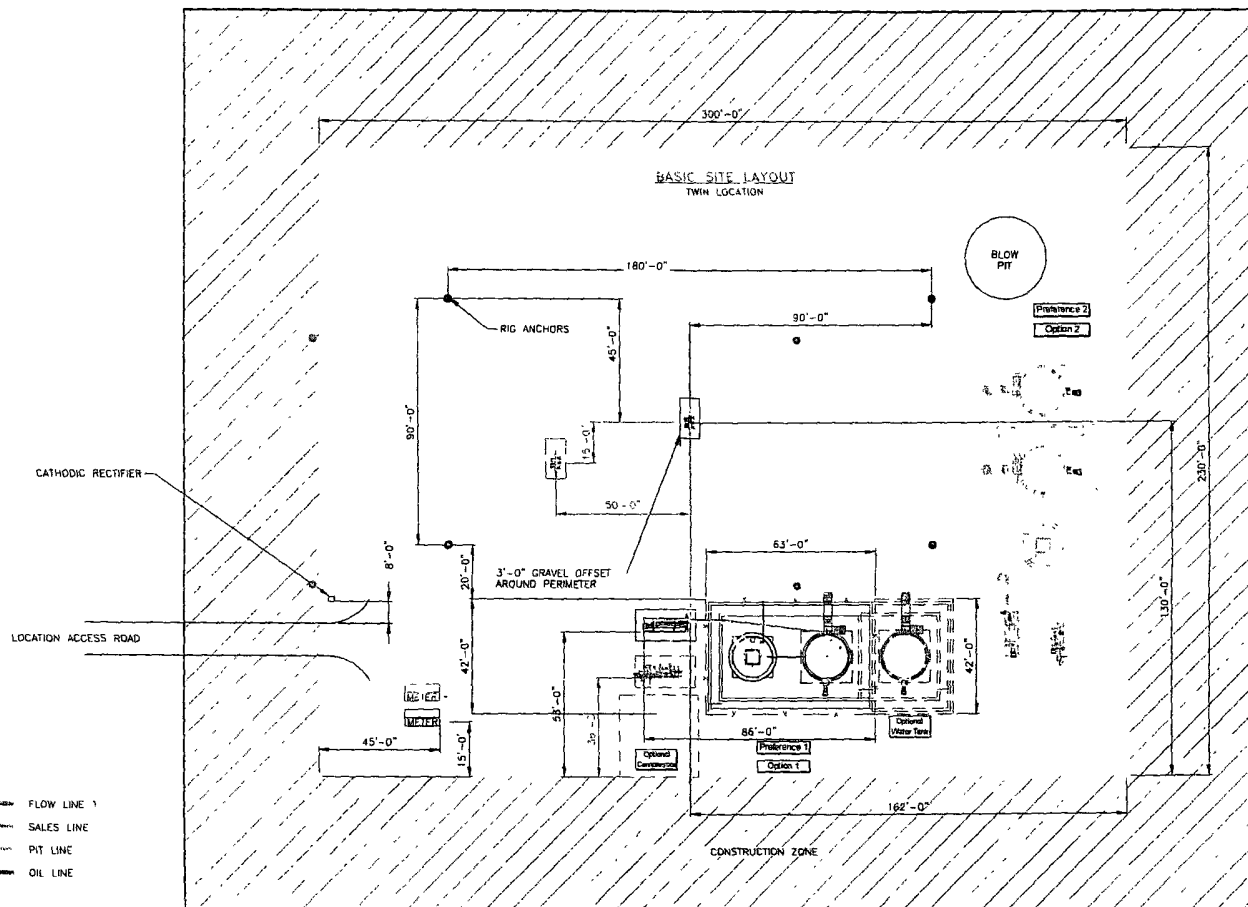
Database: EDM Central Planning
Company: ConocoPhillips SJB
Project: La Plata County, CO
Site: Russell's Site for Directional MV/DK wells
Well: SJ 27-4 #140C
Wellbore: Principal
Design: APD Plan

Local Co-ordinate Reference:
TVD Reference:
MD Reference:
North Reference:
Survey Calculation Method:

Well SJ-27-4 #140C
WELL @ 6814 0ft (Generic Rig RKB)
WELL @ 6814 0ft (Generic Rig RKB)
True
Minimum Curvature

Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
3,255.6	3,050.0	Ojo Alamo		0.00	
3,503.3	3,272.0	Kirtland		0.00	
3,637.2	3,392.0	Fruitland		0.00	
3,919.5	3,645.0	Pictured Cliffs		0.00	
4,060.1	3,771.0	Lewis		0.00	
4,288.7	3,976.0	Huerfano Bentonite		0.00	
4,993.6	4,653.0	Chacra		0.00	
5,603.7	5,263.0	Upper Cliffhouse		0.00	
5,790.7	5,450.0	Mass. Cliffhouse		0.00	
5,873.7	5,533.0	Menefee		0.00	
6,192.7	5,852.0	Pt. Lookout		0.00	
6,512.7	6,172.0	Mancos Shale		0.00	
7,210.7	6,870.0	Gallup		0.00	
8,150.7	7,810.0	Greenhorn		0.00	
8,216.7	7,876.0	Graneros		0.00	
8,273.7	7,933.0	Two Wells		0.00	
8,341.7	8,001.0	Paguate		0.00	
8,357.7	8,017.0	Cubero		0.00	
8,400.7	8,060.0	Lower Cubero		0.00	
8,451.7	8,111.0	Oak Canyon		0.00	
8,474.7	8,134.0	Encinal		0.00	



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

SHEET 1 OF 5

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h:\projects\SanJuan\BusinessUnit\Regulatory\San Juan Location Site Layout.dwg, 06/20/2007 - 02:35pm

BURLINGTON RESOURCES OIL & GAS COMPANY LP

SAN JUAN 27-4 UNIT #140C

1790' FSL, 240' FEL

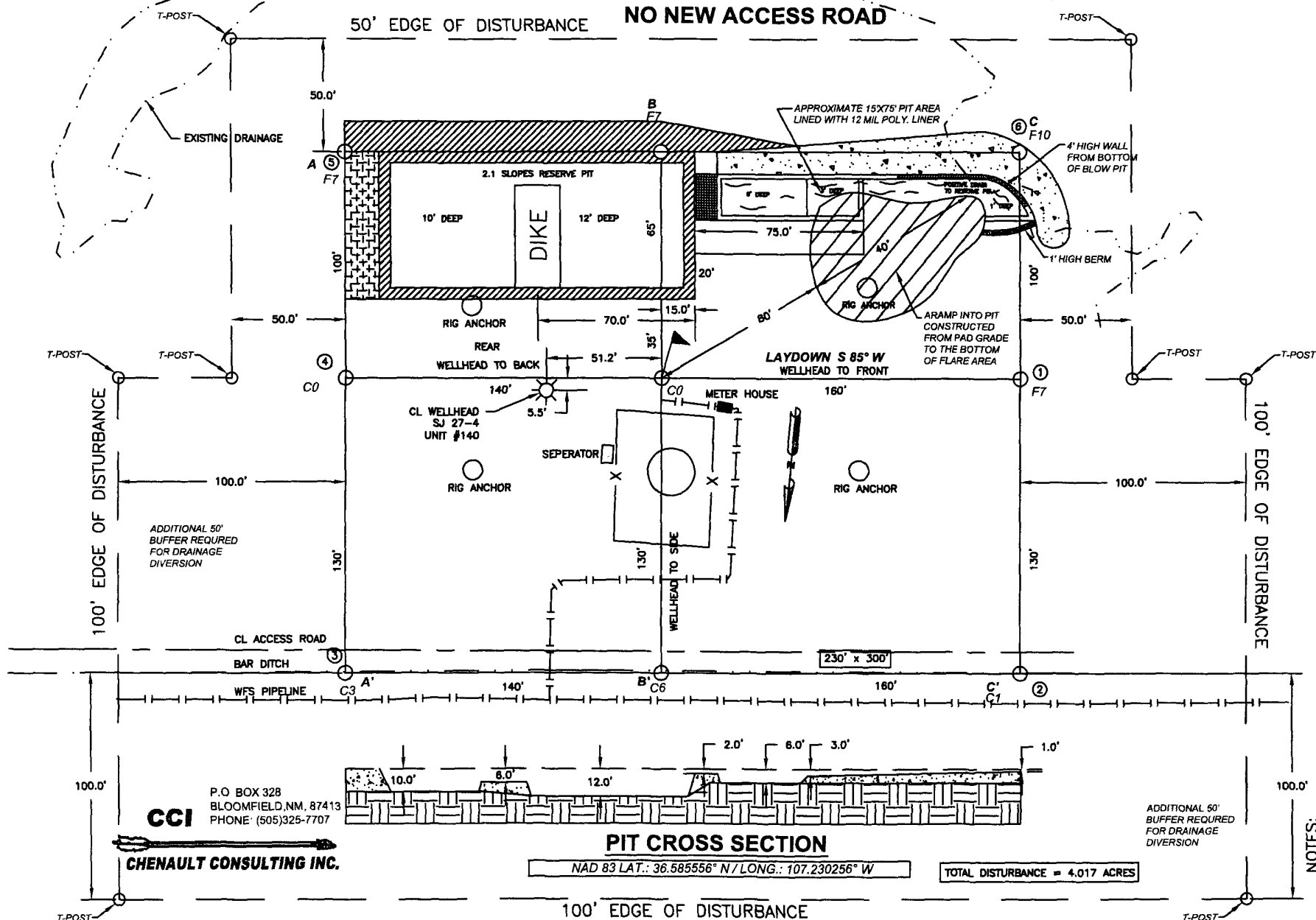
SECTION 10, T-27-N, R-4-W, N.M.P.M.,

RIO ARRIBA COUNTY, NEW MEXICO

GROUND ELEV.: 6799 NAVD88

DATE: NOVEMBER 12, 2007

NO NEW ACCESS ROAD



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

BURLINGTON RESOURCES OIL & GAS COMPANY LP

SAN JUAN 27-4 UNIT #140C

1790' FSL, 240' FEL

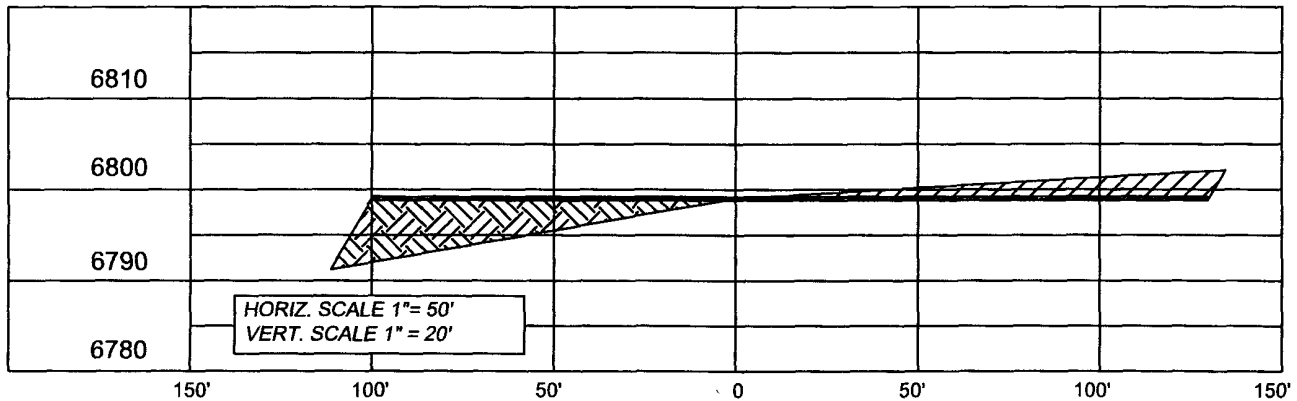
SECTION 10, T-27-N, R-4-W, N.M.P.M.,

RIO ARriba COUNTY, NEW MEXICO

ELEV.: 6799 NAVD88

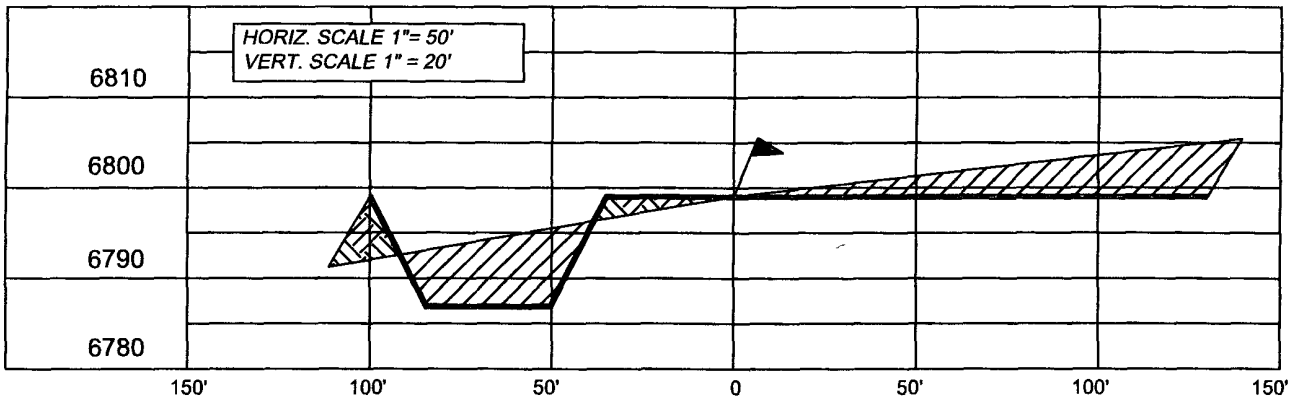
A - A'

C/L



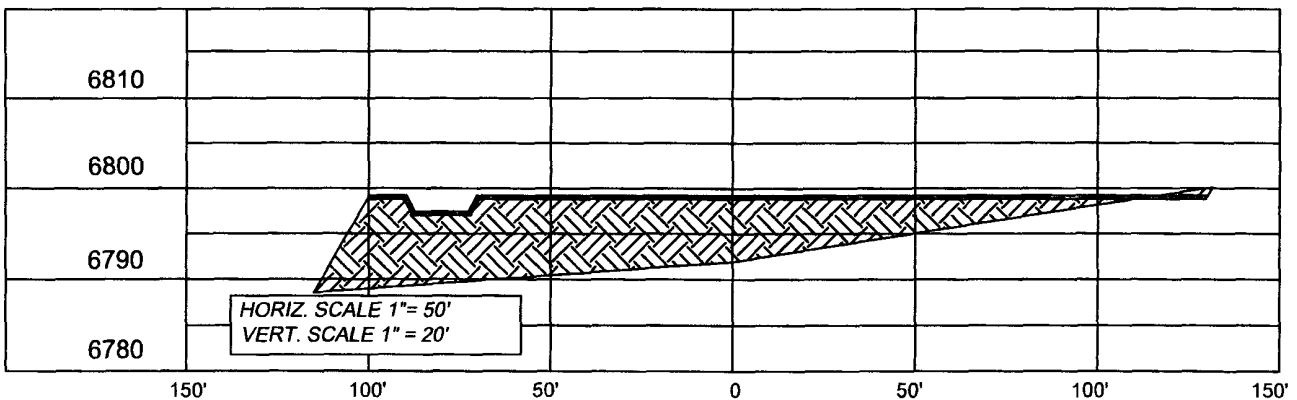
B - B'

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	ISSUED FOR REVIEW	L.H.	11/9/06
2	EDGE OF DISTURBANCE	TJR	11/12/07

CCI

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

CHENAULT CONSULTING INC.