


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	<b>RECEIVED</b>  NOV 08 2007  Bureau of Land Management Farmington Field Office	5. Lease Number USA SF-078571 Unit Reporting Number
1b. Type of Well GAS		6. If Indian, All. or Tribe  RCVD NOV 29 '07
2. Operator <b>BURLINGTON</b> RESOURCES Oil & Gas Company, LP		7. Unit Agreement Name OIL CONS. DIV. DIST. 3
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499  (505) 326-9700	8. Farm or Lease Name Day B 9. Well Number #4P	
4. Location of Well Unit C(NENW), 660' FNL & 1625' FWL  Latitude 36.59508' N Longitude 107.72545' W	10. Field, Pool, Wildcat Basin DK/Blanco MV  11. Sec., Twn, Rge, Mer. (NMPM) C Sec. 7, T27N, R8W  API # 30-045- 34505	
14. Distance in Miles from Nearest Town 16.5 miles/Blanco	12. County San Juan	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 660'		
16. Acres in Lease 640.440	17. Acres Assigned to Well MV/DK 320.44 (W/2)	
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 98.8 miles from Day B #4M		
19. Proposed Depth 7480'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6751' GL	22. Approx. Date Work will Start	
23. Proposed Casing and Cementing Program See Operations Plan attached	 H <sub>2</sub> S POTENTIAL EXIST	
24. Authorized by: <u>Sasha Spangler</u> Sasha Spangler (Regulatory Technician)	<u>11-8-07</u> Date	

PERMIT NO.

APPROVAL DATE

APPROVED BY [Signature]

TITLE AFM

DATE 11/29/07

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 4

Bond Numbers NMB-000015 and NMB-000089

DEC 13 2007



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".

NOTIFY AZTEC OCD 24 HRS.  
PRIOR TO CASING & CEMENT

1032-100  
Q.Q-OK

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 South 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

Bureau of Land Management  
Farmington Field Office

Form C-102

Revised October 12, 2005

to Appropriate District Office

Slate Lease - 4 Copies

Fee Lease - 3 Copies

☐ AMENDED REPORT

### WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-045-34505		Well Code 72319/71599		Well Name BASIN DAKOTA/BLANCO MESAVERDE	
Property Code 6948		Property Name DAY B			Well Number 4P
OGRI No 14538		Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY, LP			Elevation 6751

#### 10 Surface Location

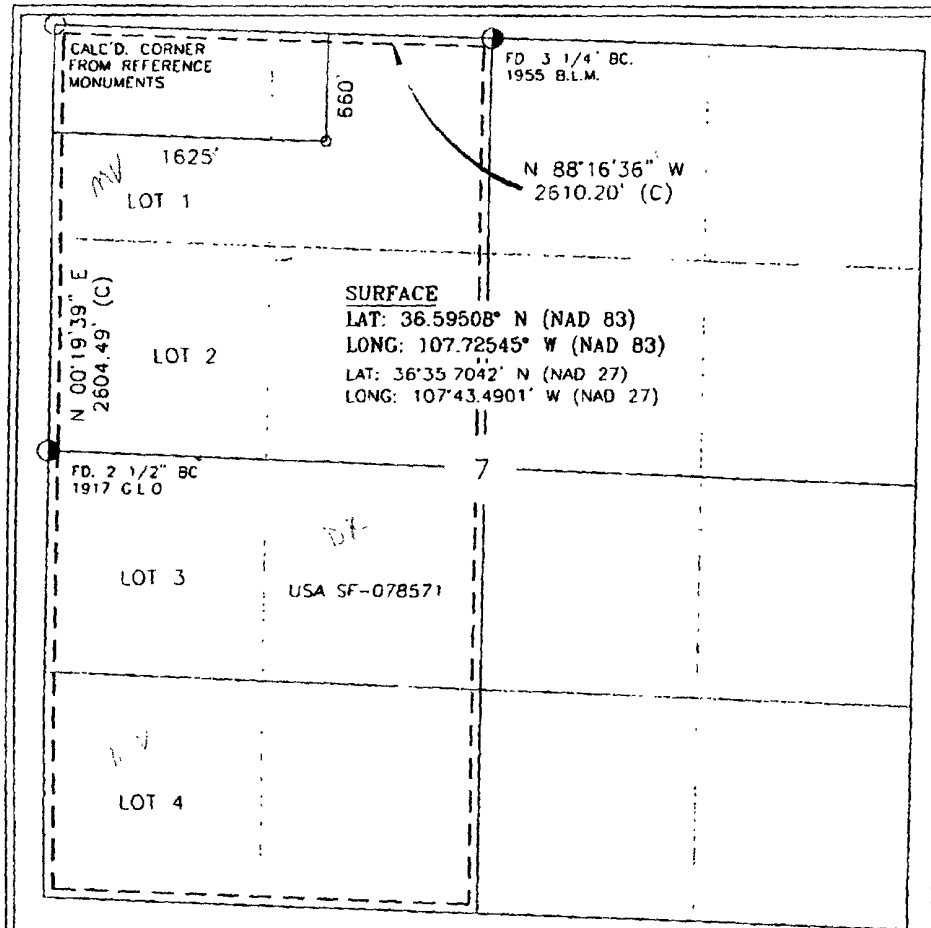
UL or lot no	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	7	27-N	8-W		660	NORTH	1625	WEST	SAN JUAN

#### 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									
Dedicated Acres 320.44 W/2			Joint or Infill		Consolidation Code		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 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.

Jamie Goodwin 9/21/2007  
Signature Date  
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 31, 2007  
Date of Survey  
Signature and Seal of Professional Surveyor  
ROY A. RUSH  
NEW MEXICO  
REGISTERED PROFESSIONAL LAND SURVEYOR  
18894  
180  
Certificate Number

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.	30-045- 34505
5. Indicate Type of Lease	STATE <input type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.	Federal Lease - USA SF-078571
7. Lease Name or Unit Agreement Name	Day B
8. Well Number	#4P
9. OGRID Number	14538
10. Pool name or Wildcat	Basin Dakota/Blanco Mesa Verde

SUNDY 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 C : 660' feet from the North line and 1625' feet from the West line  
Section 7 Township 27N Rng 8W NMPM County San Juan

11. Elevation (Show whether DR, RKB, RT, GR, etc.)  
6751' GL

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 bbbs; 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 Drill 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 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 11/7/2007

Type or print name Sasha Spangler E-mail address: spangs@concophillips Telephone No. 505-326-9568  
**For State Use Only**

APPROVED BY [Signature] TITLE Deputy Oil & Gas Inspector, District #3 DATE DEC 13 2007  
Conditions of Approval (if any):

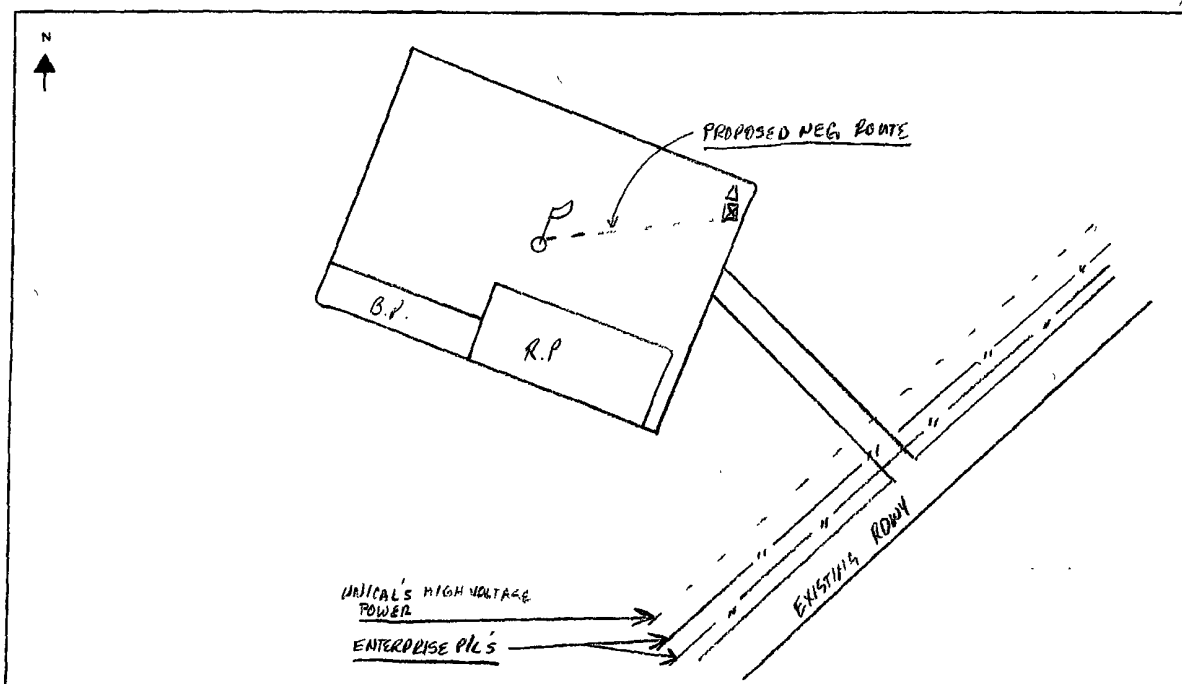


TECHNICAL SERVICES  
A CORROSION COMPANY

### CATHODIC PROTECTION PLAN FOR NEW WELLS

WELL NAME DAY B#4P LEGALS 7-27-8 COUNTY S.J.

PURPOSED C.P. SYSTEM: DRILL G.B. & SET 12V-10A SOLAR ON EAST SIDE OF LOC. TRENCH FOR  
W.P. NEG FROM SOLAR TO W.H.



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

COMMENTS: \_\_\_\_\_

NEAREST POWER SOURCE N/A DISTANCE: \_\_\_\_\_  
PIPELINES IN AREA: 2 ENTERPRISE PLS @ MAIN RD.

TECHNICIAN: [Signature] DATE: 10/28/07

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

[Signature]

# PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

DAY B 4P

DEVELOPMENT

Lease:		AFE #: WAN.CDR.7313		AFE \$:	
Field Name: hBR_SAN JUAN		Rig: H&P Rig 283		State: NM	County: SAN JUAN
Geologist:		Phone:		Geophysicist:	
Geoscientist: Riley, Brook		Phone: +1 505-324-6108		Prod. Engineer:	
Res. Engineer: McKee, Cory J		Phone: 505-326-9826		Proj. Field Lead:	
<b>Primary Objective (Zones):</b>					
<b>Zone</b>	<b>Zone Name</b>				
FRR	BASIN DAKOTA (PRORATED GAS)				
RON	BLANCO MESAVERDE (PRORATED GAS)				
<b>Location: Surface</b>					
Datum Code: NAD 27		<b>Straight Hole</b>			
Latitude: 36.595072	Longitude: -107.724837	X:	Y:	Section: 07	Range: 008W
Footage X: 1625 FWL	Footage Y: 660 FNL	Elevation: 6751 (FT)	Township: 027N		
Tolerance:					
Location Type: Year Round		Start Date (Est.): 1/1/2008		Completion Date:	
Formation Data: Assume KB = 6763		Units = FT			
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT
Surface Casing	320	6443	<input type="checkbox"/>		
OJO ALAMO	1973	4790	<input type="checkbox"/>		
KIRTLAND	2053	4710	<input type="checkbox"/>		
FRUITLAND	2613	4150	<input type="checkbox"/>		Possible Gas
PICTURED CLIFFS	2875	3888	<input type="checkbox"/>		
LEWIS	2995	3768	<input type="checkbox"/>		
HUERFANITO BENTONITE	3383	3380	<input type="checkbox"/>		
CHACRA	3813	2950	<input type="checkbox"/>		
MASSIVE CLIFF HOUSE	4548	2215	<input type="checkbox"/>	600	Gas
MENEFEE	4573	2190	<input type="checkbox"/>		
MASSIVE POINT LOOKOUT	5153	1610	<input type="checkbox"/>		
MANCOS	5498	1265	<input type="checkbox"/>		
UPPER GALLUP	6338	425	<input type="checkbox"/>		
GREENHORN	7122	-359	<input type="checkbox"/>		
GRANEROS	7180	-417	<input type="checkbox"/>		
TWO WELLS	7243	-480	<input type="checkbox"/>	1800	Gas
PAGUATE	7296	-533	<input type="checkbox"/>		
CUBERO	7350	-587	<input type="checkbox"/>		
ENCINAL	7433	-670	<input type="checkbox"/>		
TOTAL DEPTH DK	7480	-717	<input type="checkbox"/>		
12-1/4 hole. 320' 8 5/8" 24 ppf, J-55, STC casing. Cement with 319 cuft. Circulate cement to surface.					
7 7/8" Hole. 4-1/2", 11.6 ppf, N-80 LTC casing. Cement with 2228 cuft. Circulate cement to surface.					
<b>Reference Wells:</b>					
Reference Type	Well Name	Comments			

# PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

DAY B 4P

DEVELOPMENT

<b>Logging Program:</b>			
Intermediate Logs:	<input type="checkbox"/> Log only if show	<input type="checkbox"/> GR/ILD	<input type="checkbox"/> Triple Combo

TD Logs:	<input type="checkbox"/> Triple Combo	<input type="checkbox"/> Dipmeter	<input type="checkbox"/> RFT	<input type="checkbox"/> Sonic	<input type="checkbox"/> VSP	<input type="checkbox"/> TDT	<input checked="" type="checkbox"/> Other
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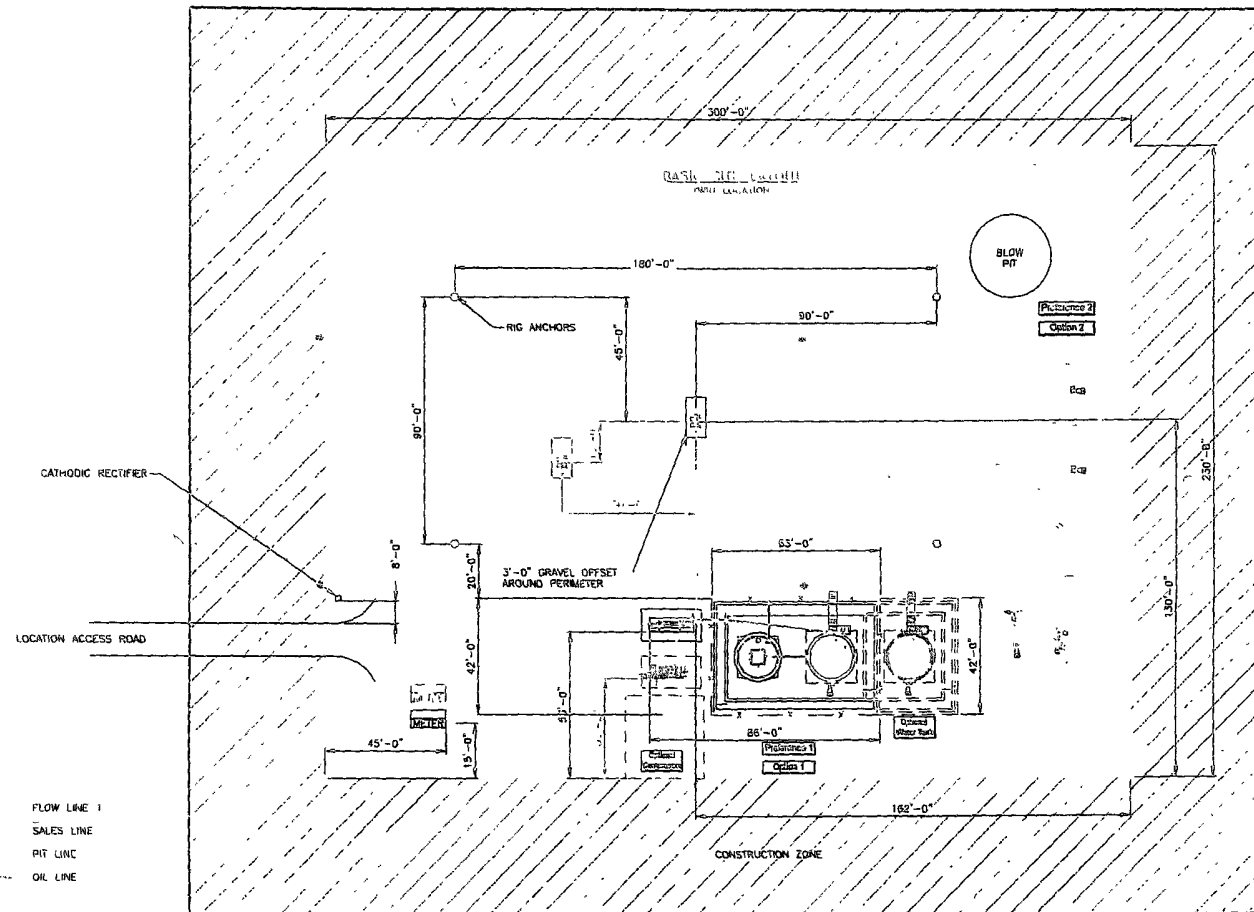
GR/CBL. Est bottom perf: ~20' above TD.

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

Comments: Location/Tops/Logging - MVNM027N008W07NW2 DK 27N08W07NW2 Avoid F (Day 4M), prefer D,E,C, no twin options, topo is an issue, can not stake in line with 4M & XTO/Schwerdtfeger 12A in section 6.

Zones - MVNM027N008W07NW2 DK 27N08W07NW2

General/Work Description - Well name changed from Day B 4N to Day B 4P.



SEE SHEET 2, 3 FOR PIPING DETAILS  
ALL UNDERGROUND PIPES TO BE BURIED A MIN. OF 3'-0\"/>

SHEET 1 OF 3

ENGINEERING REVIEW										REFERENCE DRAWINGS		CONOCO-PHILLIPS		
DATE	BY	CHK'D	DES	ISC	PRJ	PROCESS	DESIGNED	DATE	NO.	DESCRIPTION		HIGH PRESSURE 3 PHASE		
						MECHANICAL						FACILITY DIAGRAM- SITE LAYOUT		
						PIPING								
						ELECTRICAL								
						P. & C.								
						CIVIL/STRUCTURAL								
						PROJECT								
										SAN JUAN BUSINESS UNIT				
												CLIENT NO.	CLIENT APPR.	INPR. DATE
												DESIGN BY	TITLE: 1602	CHECKED DATE: 6/20/07
												DWG NO.		SHEET NO.
												HP3PHASE-REV1		1 OF 3

\\nrc\c\agp\scott\michael\regulatory\San Juan Location Site Layout.dwg, 06/28/2007 - 02:39pm

# BURLINGTON RESOURCES OIL & GAS COMPANY LP

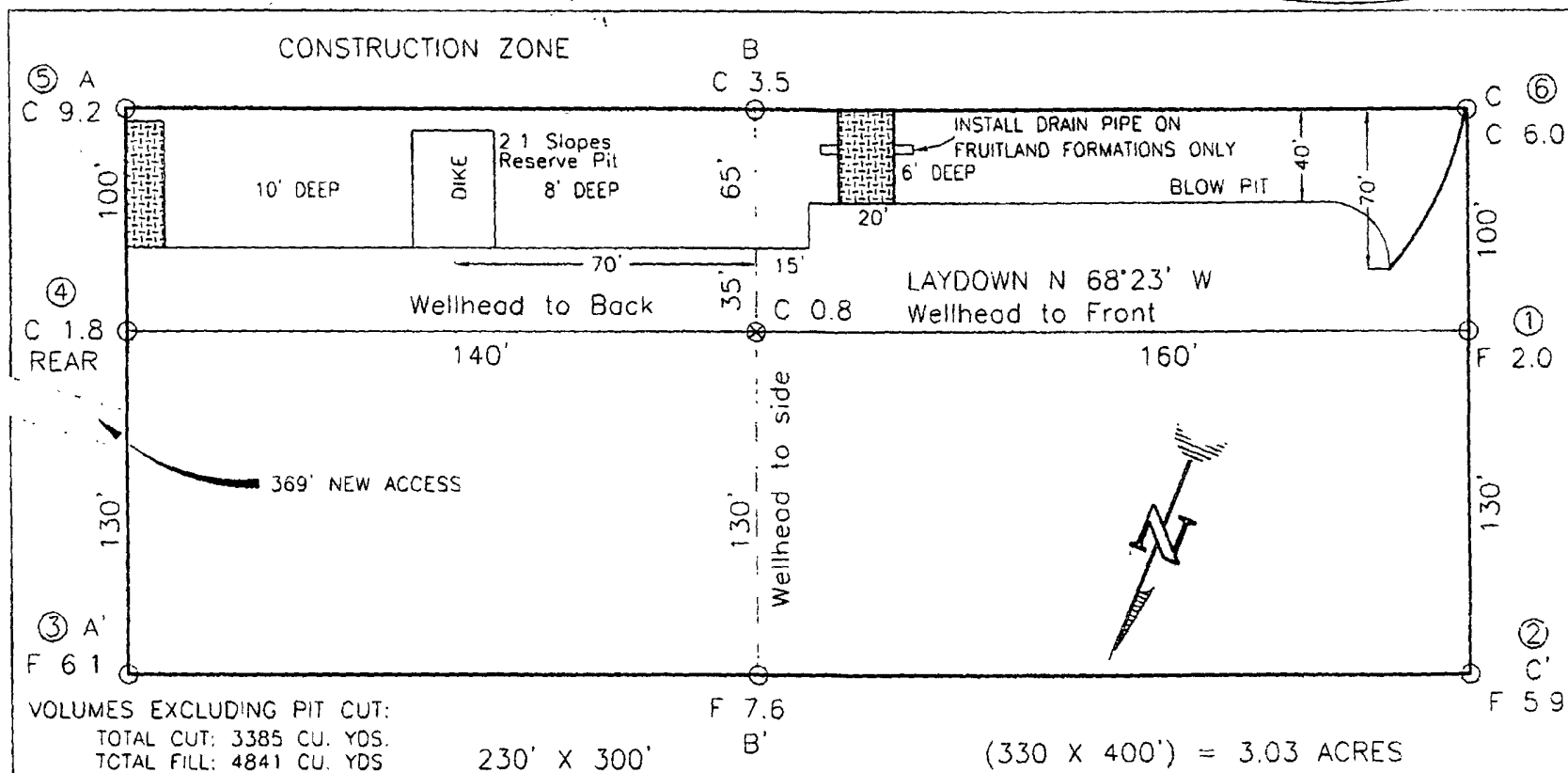
DAY B No. 4P, 660 FNL 1625 FWL

SECTION 7, T-27-N, R-8-W, N.M.P.M., SAN JUAN COUNTY, NEW MEXICO

GROUND ELEVATION: 6751, DATE: AUGUST 31, 2007

NAD 83  
LAT. = 36.59508° N.  
LONG. = 107.72545° W.

NAD 27  
LAT. = 36°35.7042' N.  
LONG. = 107°43.4901' W.




RESERVE PIT DIKE. TO BE 8' ABOVE DEEP SIDE (OVERFLOW - 3' WIDE AND 1' ABOVE SHALLOW SIDE).

BLOW PIT: OVERFLOW PIPE HALFWAY BETWEEN TOP AND BOTTOM AND TO EXTEND OVER PLASTIC LINER AND INTO BLOW PIT.

NOTE: DAGGETT ENTERPRISES, INC IS NOT LIABLE FOR UNDERGROUND UTILITIES OR PIPELINES. NEW MEXICO ONE CALL TO BE NOTIFIED 48 HOURS PRIOR TO EXCAVATION OR CONSTRUCTION.

NOTE. ESTIMATED VOLUMES CALCULATED BY AVERAGE END AREA AT CROSS-SECTION SHOWN

NOTE 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

REVISION	DATE	REVISED BY
 Daggett Enterprises, Inc. Surveying and Oil Field Services P. O. Box 510 Farmington, NM 87499 Phone (505) 326-1772 Fax (505) 326-6019 NEW MEXICO L.S. 8894		
DRAWN BY: G.V.	CADFILE: BR664_PLB	
ROW# BR664	DATE: 9/13/07	



# BURLINGTON RESOURCES OIL & GAS COMPANY LP

DAY B No. 4P, 660 FNL 1625 FWL

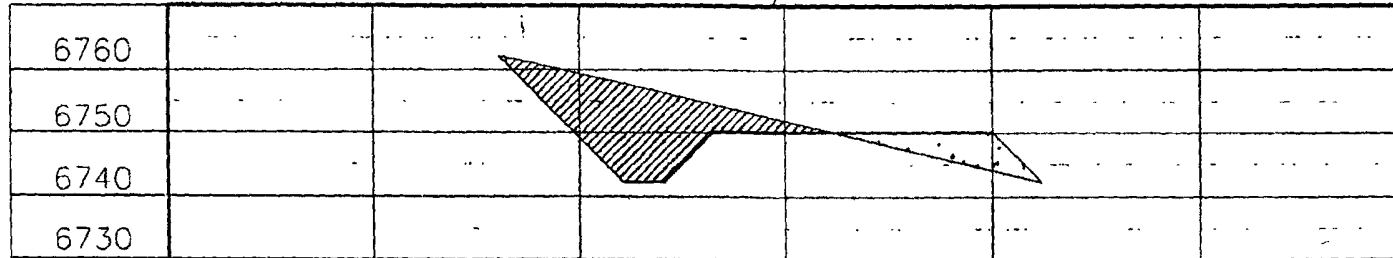
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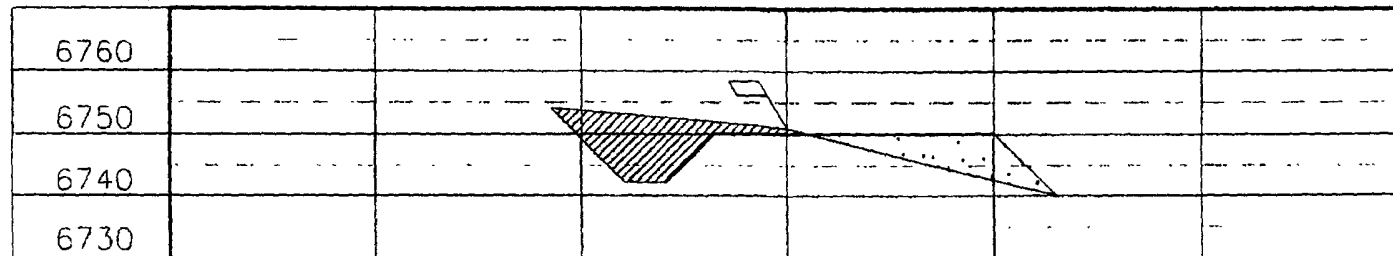
ELEV. A-A'

C/L



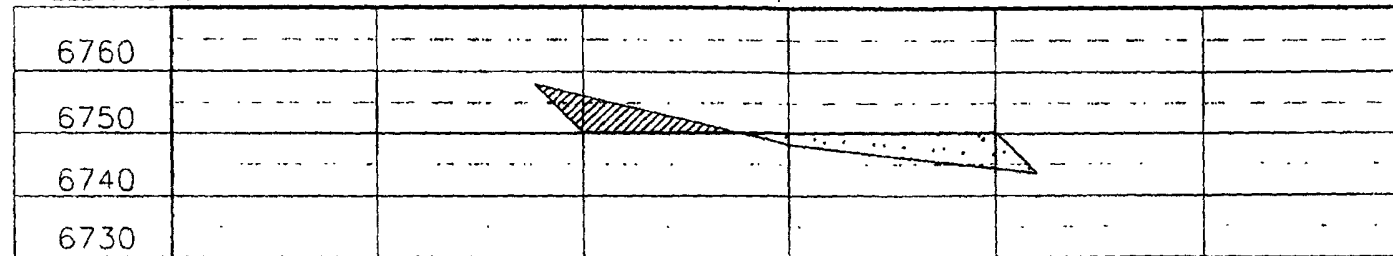
ELEV. B-B'

C/L




ELEV. C-C'

C/L



NOTE: DAGGETT ENTERPRISES, INC. IS NOT LIABLE FOR UNDERGROUND UTILITIES OR PIPELINES NEW MEXICO ONE CALL TO BE NOTIFIED 48 HOURS PRIOR TO EXCAVATION OR CONSTRUCTION.

NOTE: 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.

REVISION	DATE	REVISED BY
 <b>Daggett Enterprises, Inc.</b> Surveying and Oil Field Services P. O. Box 510 Farmington, NM 87499 Phone (505) 326-1772 • Fax (505) 326-6019 NEW MEXICO LS 8894		
DRAWN BY: G.V.		CADFILE: BR684_CFB
RWB: BR684		DATE: 9/13/07