

RCVD APR 7 '08

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OIL CONS. DIV.

DIST. 3

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	RECEIVED MAR 12 2008 Bureau of Land Management Farmington Field Office	5. Lease Number USA SF-078266 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
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700		8. Farm or Lease Name Wood
		9. Well Number #3N
4. Location of Well Surf: Unit J(NWSE), 1990' FSL & 1875' FEL Surf: Latitude 36.72446° N Longitude 107.90557° W		10. Field, Pool, Wildcat Basin DK/Blanco MV
		11. Sec., Twn, Rge, Mer. (NMPM) Sec. 17. T29N, R10W Lot. 10/1 API # 30-045-34655
14. Distance in Miles from Nearest Town 10 miles/Bloomfield	12. County San Juan	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1875'		
16. Acres in Lease 670.160	17. Acres Assigned to Well 305.68 Acres - (E/2)	
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 1300' from San Juanito #1 - FC		
19. Proposed Depth 6660'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 5743' GR	22. Approx. Date Work will Start his 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".	
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by: <u>Crystal Walker</u> Crystal Walker (Regulatory Technician)		3/12/08 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 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

APR 10 2008

NMOCD

H₂S POTENTIAL EXIST

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

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

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

RECEIVED
Submit to Appropriate District Office
MAR 12 2008
State Lease - 4 Copies
Fee Lease - 3 Copies

Form C-102
Revised October 12, 2005

Bureau of Land Management
Farmington Field Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045- <u>34655</u>	² Pool Code 71599/72319	³ Pool Name BASIN DAKOTA, BLANCO MESA VERDE
⁴ Property Code <u>727616, 725977</u>	⁵ Property Name WOOD	⁶ Well Number 3 N
⁷ OGRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL AND GAS COMPANY LP	⁹ Elevation 5743'

¹⁰ Surface Location

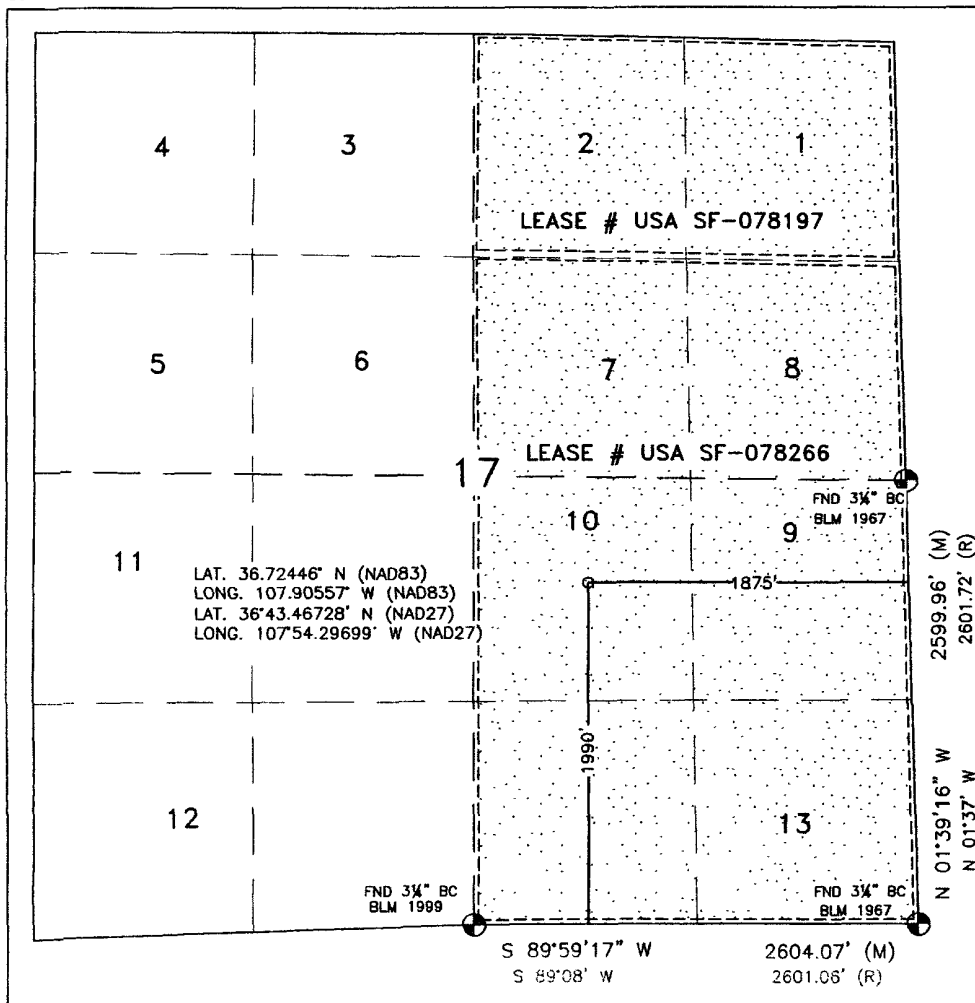
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
J	17	29N	10W	10	1990'	SOUTH	1875'	EAST	SAN JUAN

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
J									
¹² Dedicated Acres 305.68 Acres - (E/2)			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 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 or a compulsory pooling order heretofore entered by the division.

Crystal Walker 3/12/08
Signature Date

Crystal Walker 3-12-08
Printed Name

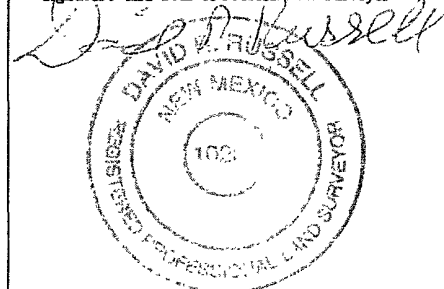
¹⁸ SURVEYOR CERTIFICATION

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.

SEPTEMBER 26, 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

State of New Mexico
Energy, Minerals and Natural Resources

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

Form C-103
May 27, 2004

<p>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)</p>		<p>WELL API NO. 30-045- 34655</p>
<p>1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other</p>		<p>5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input type="checkbox"/></p>
<p>2. Name of Operator BURLINGTON RESOURCES OIL & GAS COMPANY LP</p>		<p>6. State Oil & Gas Lease No. USA SF-078266</p>
<p>3. Address of Operator 3401 E. 30TH STREET, FARMINGTON, NM 87402</p>		<p>7. Lease Name or Unit Agreement Name Wood</p>
<p>4. Well Location Unit Letter <u>J</u> : <u>1990'</u> feet from the <u>South</u> line and <u>1875'</u> feet from the <u>East</u> line Section <u>17</u> Township <u>29N</u> Range <u>10W</u> NMPM County <u>San Juan</u></p>		<p>8. Well Number 3N</p>
<p>11. Elevation (Show whether DR, RKB, RT, GR, etc.) 5743'</p>		<p>9. OGRID Number 14538</p>
<p>Pit or Below-grade Tank Application <input type="checkbox"/> or Closure <input type="checkbox"/></p>		<p>10. Pool name or Wildcat Basin DK/Blanco MV</p>
<p>Pit type <u>New Drill</u> Depth to Groundwater <u>>100'</u> Distance from nearest fresh water well <u>>1000'</u> Distance from nearest surface water <u>>100'</u></p>		
<p>Pit Liner Thickness: <u>12</u> mil Below-Grade Tank: Volume _____ bbls; Construction Material _____</p>		

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 ☒

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:

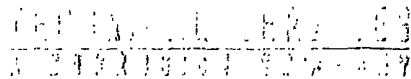
Burlington Resources proposes to construct a new drilling pit and an associated vent/flare pit. Based on Burlington's interpretation of the Ecosphere's risk ranking criteria, the new drilling pit will be a lined pit as detailed in Burlington's Revised Drilling / Workover Pit Construction / Operation 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 12/13/2007

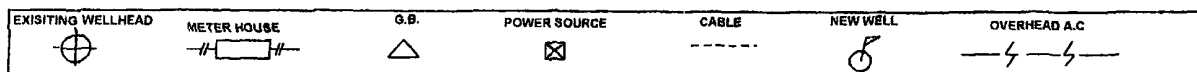
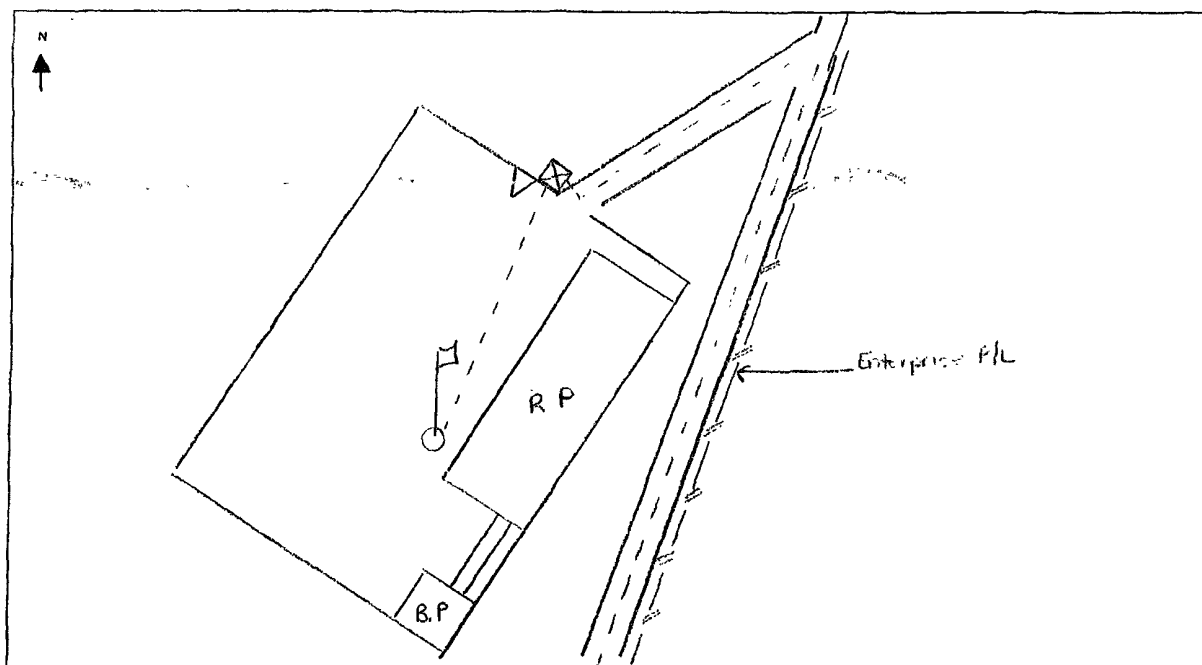
Type or print name Sasha Spangler E-mail address: spangs@concoPhillips.com Telephone No. 505-326-9568
For State Use Only

APPROVED BY [Signature] TITLE Deputy Oil & Gas Inspector DATE APR 10 2008
Conditions of Approval (if any): District #3



WELL NAME Wood #3N LEGALS J-17-29-10 COUNTY San Juan

PURPOSED C.P. SYSTEM: Drill GB and set rectifier on N edge of location (W side of access). Trench approx 1600' of A/C from existing rectifier to new rectifier. Trench approx 175' of 8" pipe from pumped well to rectifier.



COMMENTS: _____

NEAREST POWER SOURCE: Existing Power Line #3 (119902253) DISTANCE: 1600'
PIPELINES IN AREA: Enter Power Line

TECHNICIAN: M. J. Johnson DATE: 10/22/57

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

Wood 9 M

PROJECT PROPOSAL - New Drill / Sidetrack

WOOD 3N

DEVELOPMENT

Lease:		AFE #: WAN.CDR.7300		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:	
				Phone:	

Primary Objective (Zones):

Zone	Zone Name
FRR	BASIN DAKOTA (PRORATED GAS)
RON	BLANCO MESAVERDE (PRORATED GAS)

Location: Datum Code: NAD 27

Latitude: 36.724455	Longitude: -107.904950	X:	Y:	Section: 17	Range: 010W
Footage X: 1875 FEL	Footage Y: 1990 FSL	Elevation: 5743 (FT)	Township: 029N		
Tolerance:					

Location Type: Year Round	Start Date (Est.): 1/1/2009	Completion Date:	Date In Operation:
---------------------------	-----------------------------	------------------	--------------------

Formation Data: Assume KB = 5755	Units = FT
----------------------------------	------------

Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Total Depth	0	5755	<input type="checkbox"/>			
Surface Casing	200	5555	<input type="checkbox"/>			12-1/4 hole. 200' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 159 cuft. Circulate cement to surface.
OJO ALAMO	848	4907	<input type="checkbox"/>			
KIRTLAND	983	4772	<input type="checkbox"/>			
FRUITLAND	1706	4049	<input type="checkbox"/>			Possible Gas
PICTURED CLIFFS	2068	3687	<input type="checkbox"/>			
LEWIS	2178	3577	<input type="checkbox"/>			
Intermediate Casing	2278	3477	<input type="checkbox"/>			8 3/4" Hole. 7", 20 ppf, J-55, STC Casing. Cement with 513 cuft. Circulate cement to surface.
HUERFANITO BENTONITE	2745	3010	<input type="checkbox"/>			
CHACRA	3068	2687	<input type="checkbox"/>			
MASSIVE CLIFF HOUSE	3719	2036	<input type="checkbox"/>	422		Gas
MENEFEE	3786	1969	<input type="checkbox"/>			
MASSIVE POINT LOOKOUT	4341	1414	<input type="checkbox"/>			
MANCOS	4702	1053	<input type="checkbox"/>			
UPPER GALLUP	5598	157	<input type="checkbox"/>			
GREENHORN	6350	-595	<input type="checkbox"/>			
GRANEROS	6406	-651	<input type="checkbox"/>			
TWO WELLS	6468	-713	<input type="checkbox"/>	1229		Gas
PAGUATE	6517	-762	<input type="checkbox"/>			
CUBERO	6575	-820	<input type="checkbox"/>			
ENCINAL	6629	-874	<input type="checkbox"/>			
TOTAL DEPTH DK	6660	-905	<input type="checkbox"/>			6-1/4" Hole. 4-1/2", 10.6/11.6 ppf, J-55 STC/LTC casing. Cement with 596 cuft. Circulate cement a minimum of 100' inside the previous casing string.

Reference Wells:

Reference Type	Well Name	Comments
Production	Hubbell 5 (17-1) SW17-29N-10W	

PROJECT PROPOSAL - New Drill / Sidetrack

WOOD 3N

DEVELOPMENT

Production	Wood 3	
Production	Hubbell 5E	

Logging Program:

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

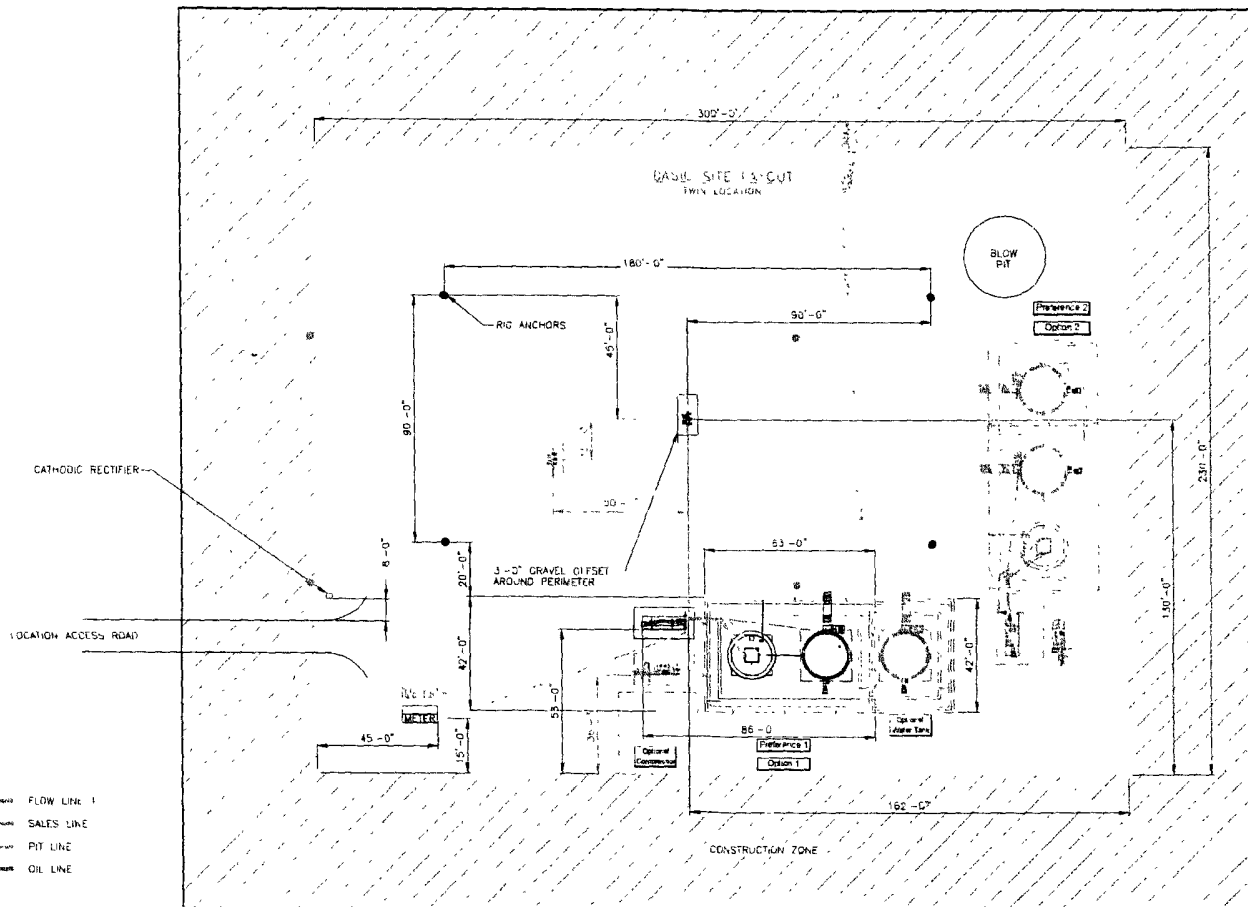
TD Logs: ☐ Triple Combo ☐ Dipmeter ☐ RFT ☐ Sonic ☐ VSP ☐ TDT ☒ Other

Mudlogger begin 100 ft above Greenhorn, Mudlogger call TD. Encinal sand changing across section. TD at base of thickest Encinal sand (see logs included)

Additional Information:

Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks
----------	-------	-----------	---------	----------------	---------

Comments



FLOW LINE 1
 SALES LINE
 PIT LINE
 OIL LINE

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

SHEET 1 OF 5

ENGINEERING REVIEW										REFERENCE DRAWINGS		<div>CONOCOPhillips</div> <div>HIGH PRESSURE 3 PHASE FACILITY DIAGRAM - SITE LAYOUT</div>																			
DISCIPLINE															NO.		DESCRIPTION														
REVIEWED																															
DATE																															
METALLURGY																															
MECHANICAL																															
PIPING																															
ELECTRICAL																															
I & C																															
SANITARY/STRUCTURAL																															
PROJECT																															
DESCRIPTION										DATE		BY		CHK'D		ENG		DES		PLN		SAN JUAN BUSINESS UNIT		CLIENT NO.		CLIENT NAME		ISSUE DATE		SHEET NO.	
																								DRAWN BY		SCALE NONE		LOCATION DATE 6/20/07		1 of 5	
																										HP3PHASE-REV1					

H:\projects\SanJuan\Regulatory\San Juan Location Site Layout.dwg 06/28/2007 - 02:39pm

LATITUDE: 36.72446°N
 LONGITUDE: 107.90557°W
 DATUM: NAD 83

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

BURLINGTON RESOURCES O&G CO LP

WOOD #3N

1990' FSL & 1875' FEL

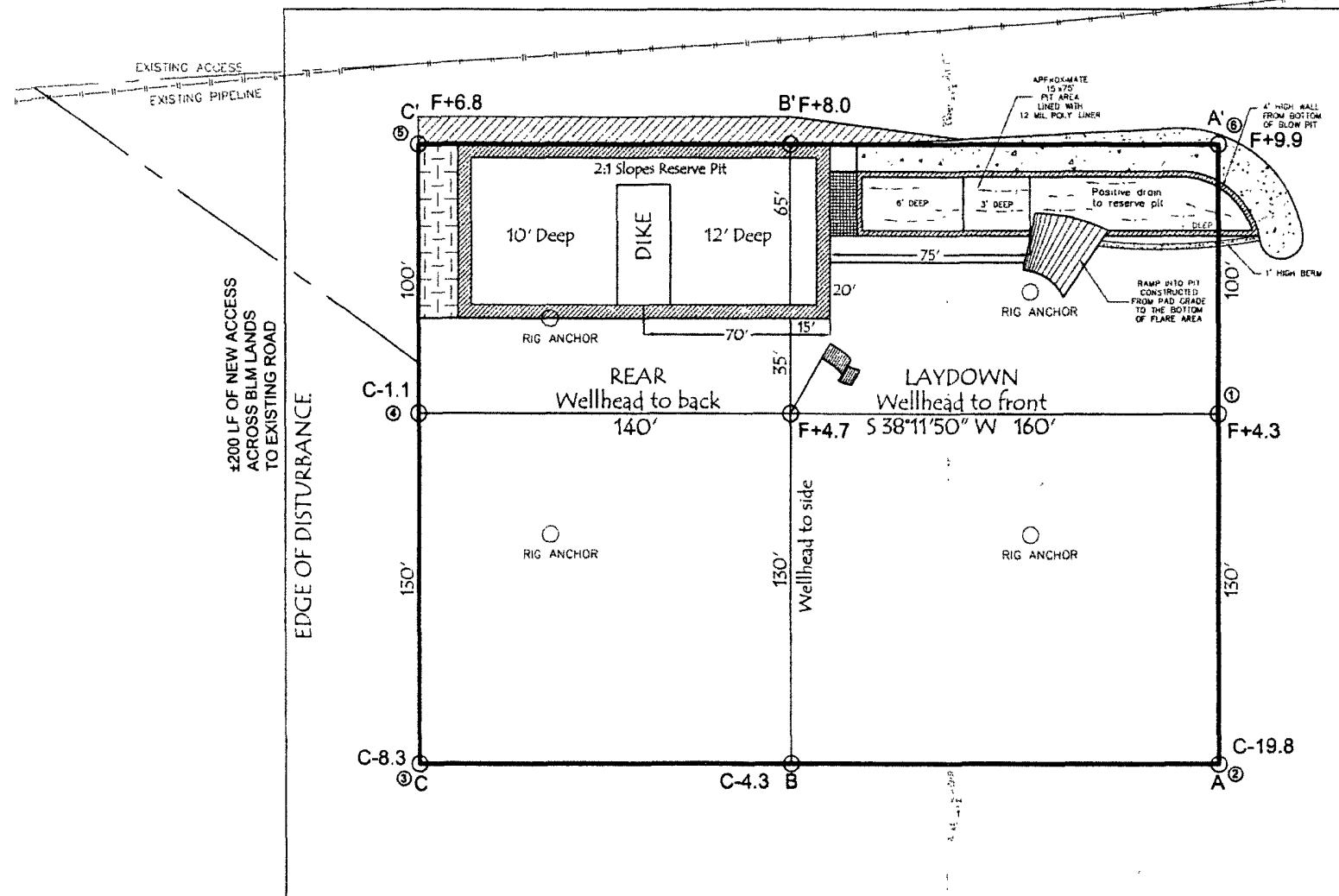
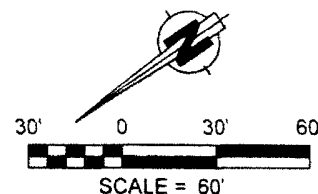
LOCATED IN THE NW/4 SE/4 OF SECTION 17,

T29N, R10W, N.M.P.M..

SAN JUAN COUNTY, NEW MEXICO

GROUND ELEVATION: 5743', NAVD 88

FINISHED PAD ELEVATION: 5747.6', NAVD 88



330' x 400' = 3.03 ACRES OF DISTURBANCE
 SCALE: 1" = 60'
 JOB No.: COPC114
 DATE: 10/04/07

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

BURLINGTON RESOURCES O&G CO LP

WOOD #3N

1990' FSL & 1875' FEL

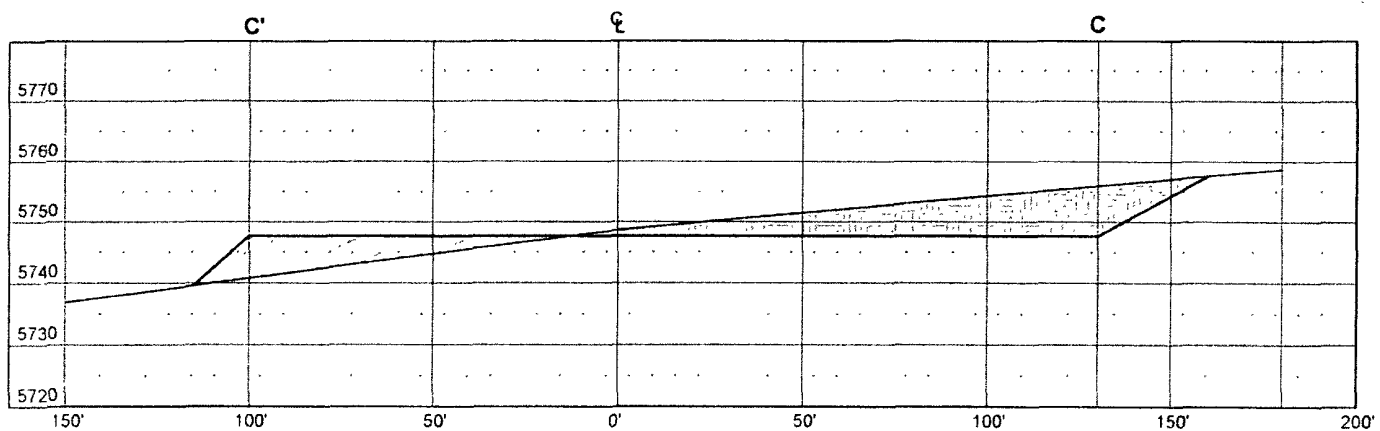
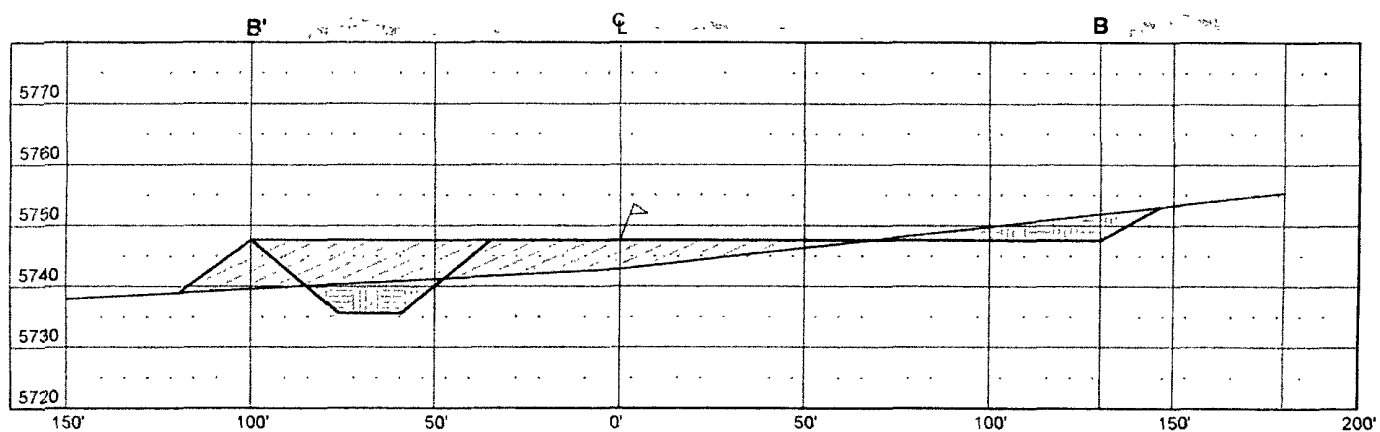
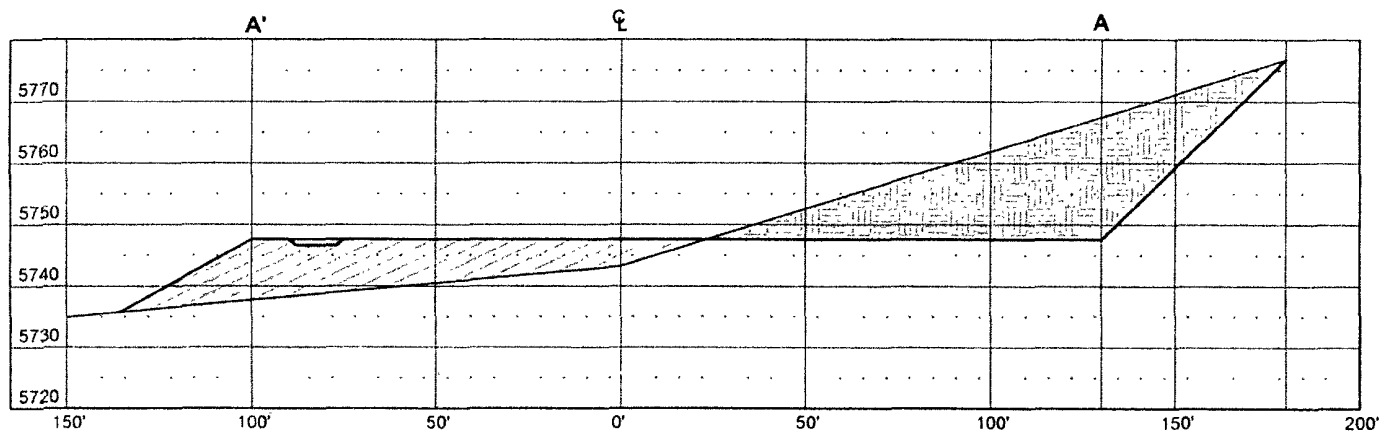
LOCATED IN THE NW/4 SE/4 OF SECTION 17.

T29N, R10W, N.M.P.M.,

SAN JUAN COUNTY, NEW MEXICO

GROUND ELEVATION: 5743', NAVD 88

FINISHED PAD ELEVATION: 5747.6', 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.: COPC114

DATE: 10/04/07

CUT

 FILL

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