

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 NMSF-078502A Unit Reporting Number	
1b. Type of Well GAS	6. If Indian, All. or Tribe RCVD DEC 7 '07	
2. Operator BURLINGTON 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 Lively 9. Well Number #8M	
4. Location of Well Unit D (NWNW), 555' FNL & 610' FWL Surf: Latitude 36.74503 N Longitude 107.63402 W	10. Field, Pool, Wildcat Basin Dakota/Blanco Mesaverde 11. Sec., Twn, Rge, Mer. (NMPM) D Sec. 12, T29N, R80W R08W API # 30-045-34511	
14. Distance in Miles from Nearest Town 12.5 Miles/Blanco	12. County San Juan	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 555'	17. Acres Assigned to Well MV/DK 320.00 (W/2)	
16. Acres in Lease 1840.000 640	18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 1072' from Vandervart 1-A	
19. Proposed Depth 7637'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6308' GL	22. Approx. Date Work will Start	
23. Proposed Casing and Cementing Program See Operations Plan attached	24. Authorized by: Jamie Goodwin (Regulatory Technician) Date 11/16/07	

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY Wayne J. Janssen TITLE Acting AFM DATE 12-6-07

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

HOLD C104 FOR NSL

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

DEC 13 2007

NMOCD

NOTIFY AZTEC OGD 24 HRS.
PRIOR TO CASING & CEMENT

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

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

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised October 12, 2005

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

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.
Santa Fe, NM 87505

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045- 34511	² Pool Code 72319/71599	³ Pool Name BASIN DAKOTA/BLANCO MESAVERDE
⁴ Property Code 18182	⁵ Property Name LIVELY	⁶ Well Number 8 M
⁷ GRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL AND GAS COMPANY LP	⁹ Elevation 6308'

¹⁰ Surface Location

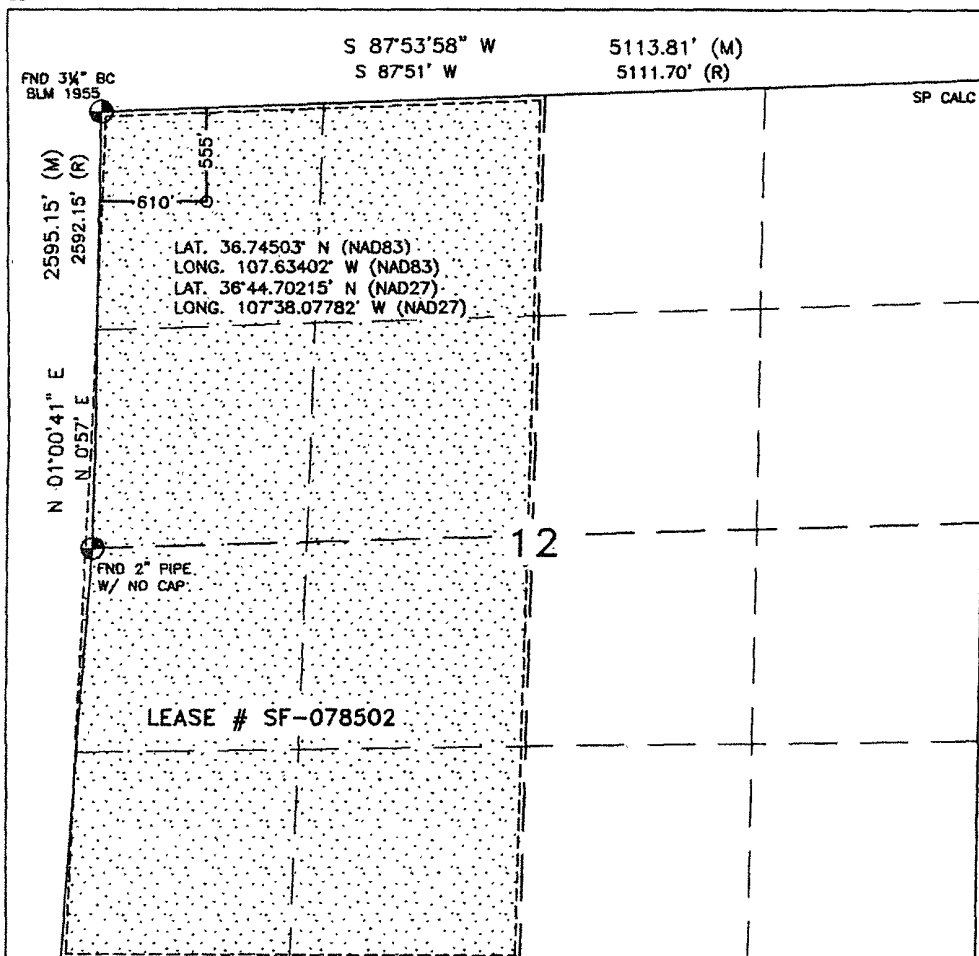
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	12	29N	8W		555'	NORTH	610'	WEST	SAN JUAN

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
D									
¹² Dedicated Acres 320.00 Acres - (W/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.

Jamie Goodwin 9/17/07
Signature Date

Jamie Goodwin

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 6, 2007

Date of Survey

Signature and Seal of Professional Surveyor:

David H. Russell
DAVID H. RUSSELL
NEW MEXICO
REGISTERED PROFESSIONAL LAND SURVEYOR
1000

DAVID RUSSELL

Certificate Number

10201

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.	45-34511
5. Indicate Type of Lease	STATE <input type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.	Federal Lease SF-078502
7. Lease Name or Unit Agreement Name	Lively
8. Well Number	#8M
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 D : 555' feet from the N line and 610' feet from the West line
 Section 12 Township 29N Rng 8W NMPM County Rio Arriba

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
 6308' 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 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 Sasha Spangler TITLE Regulatory Technician DATE 11/2/2007

Type or print name Sasha Spangler E-mail address: spang@conocophillips.com 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):

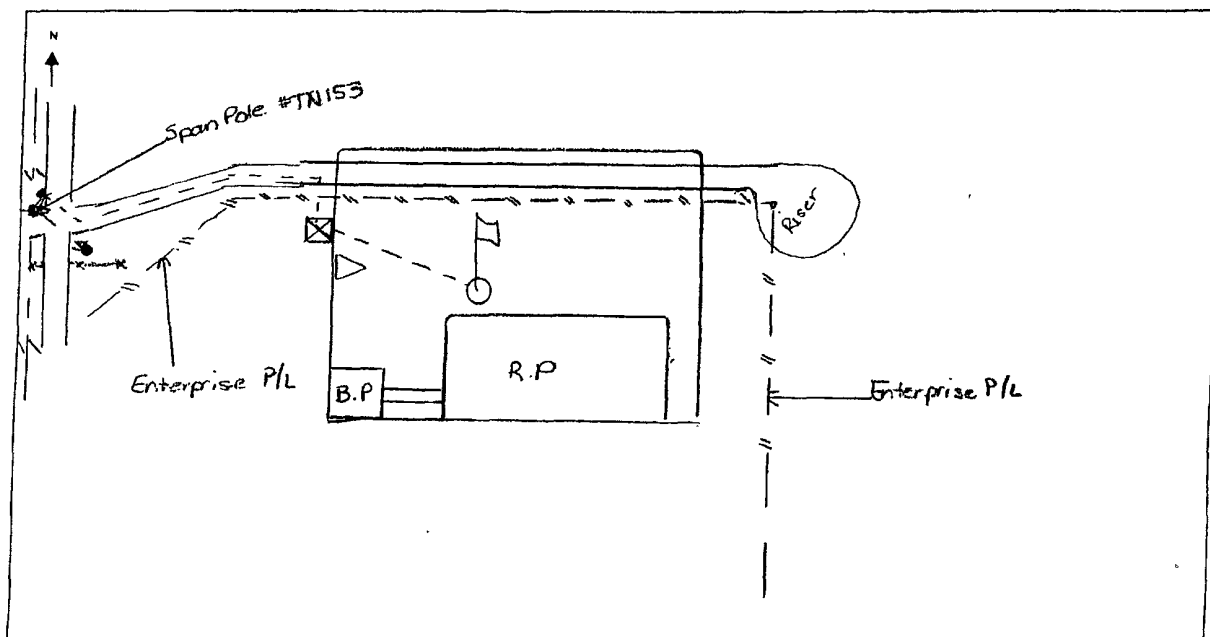


TECHNICAL SERVICES
A CORROSION COMPANY

CATHODIC PROTECTION PLAN FOR NEW WELLS

WELL NAME Lively #2M LEGALS D-12-29-8 COUNTY San Juan

PURPOSED C.P. SYSTEM: Drill GB and set rectifier on NW edge of location, set MP
off existing span pole (TN153) and trench approx 600' of AP from MP to rectifier.
Trench approx 200' of #8 neg from proposed well to rectifier.



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

COMMENTS: _____

NEAREST POWER SOURCE Overhead A.C. SP # TN153 DISTANCE: 600'

PIPELINES IN AREA: Enterprise P/L x2

TECHNICIAN: Michelle Hingosa DATE: 9/26/2007

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

RL

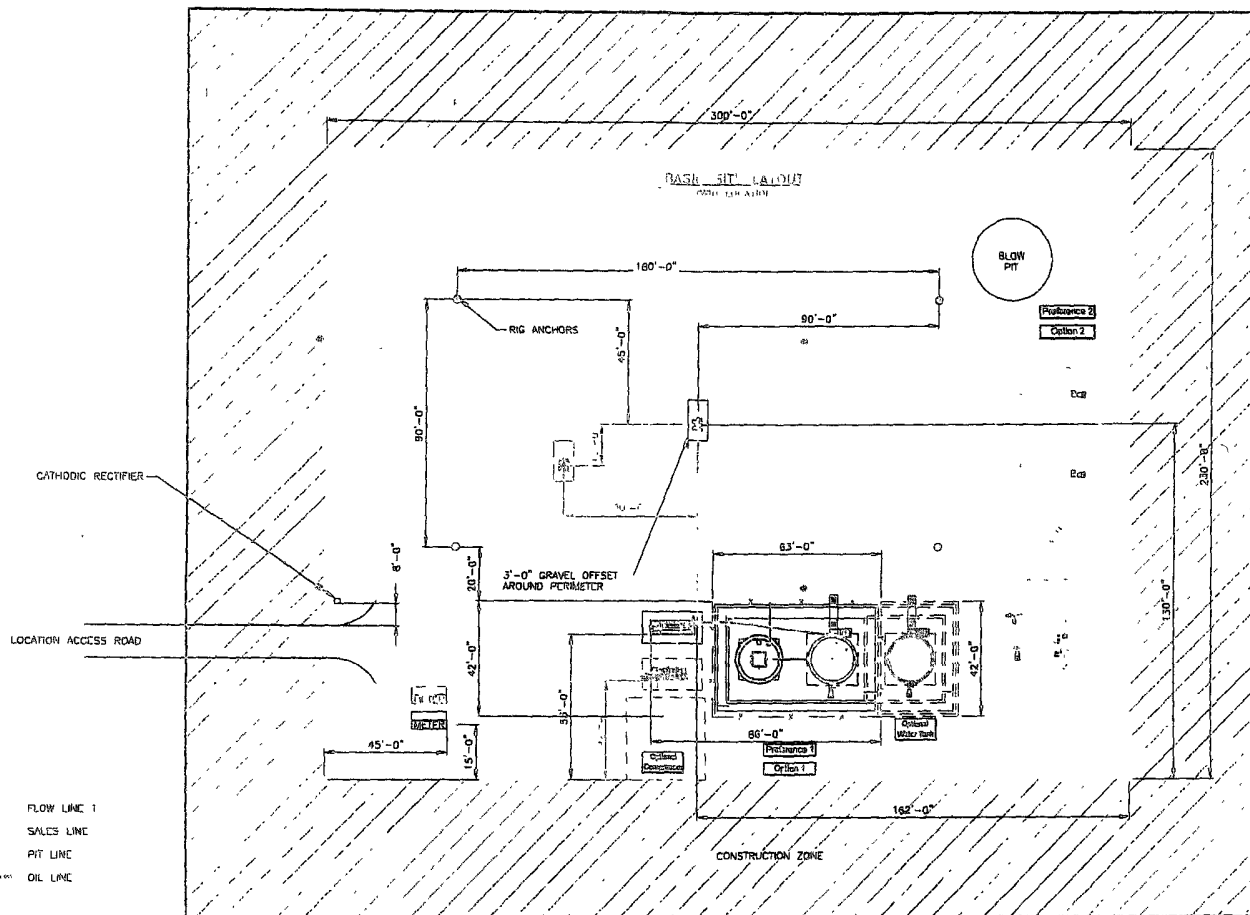
PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

LIVELY 8M

DEVELOPMENT

Lease:		AFE #: WAN.CDR.7293				AFE \$:	
Field Name: hBR_SAN JUAN		Rig: Aztec Rig 301		State: NM	County: SAN JUAN		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						
FRR	BASIN DAKOTA (PRORATED GAS)						
RON	BLANCO MESAVERDE (PRORATED GAS)						
Location: Surface Datum: Code: NAD 27 String Hole:							
Latitude: 36.745024		Longitude: -107.633410		X:	Y:	Section: 12	Range: 008W
Footage X: 610 FWL		Footage Y: 555 FNL		Elevation: 6308 (FT)		Township: 029N	
Tolerance:							
Location Type: Year Round		Start Date (Est.): 1/1/2007		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 6320 Units = FT							
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks	
Surface Casing	200	6120	<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.	
OJAM	2062	4258	<input type="checkbox"/>				
KRLD	2204	4116	<input type="checkbox"/>				
FRUITLAND COAL	2792	3528	<input type="checkbox"/>				
PCCF	3063	3257	<input type="checkbox"/>				
LEWS	3190	3130	<input type="checkbox"/>				
Intermediate Casing	3290	3030	<input type="checkbox"/>			8 3/4" Hole. 7", 20 ppf, J-55, STC Casing. Cement with 741 cuft. Circulate cement to surface.	
HUERFANITO BENTONITE	3705	2615	<input type="checkbox"/>				
CHACRA	4030	2290	<input type="checkbox"/>				
MASSIVE CLIFF HOUSE	4789	1531	<input type="checkbox"/>	350		Gas	
MENF	4847	1473	<input type="checkbox"/>				
PTLK	5232	1088	<input type="checkbox"/>				
MNCS	5624	696	<input type="checkbox"/>				
UPPER GALLUP	6499	-179	<input type="checkbox"/>				
GRHN	7267	-947	<input type="checkbox"/>				
GRRS	7320	-1000	<input type="checkbox"/>				
TWLS	7375	-1055	<input type="checkbox"/>	2050		Gas	
PAGUATE	7462	-1142	<input type="checkbox"/>				
CBRO	7485	-1165	<input type="checkbox"/>				
CBRL	7515	-1195	<input type="checkbox"/>				
ENCINAL	7573	-1253	<input type="checkbox"/>				
Total Depth	7637	-1317	<input type="checkbox"/>			<p>10.5*</p> <p>6-1/4" hole, 4-1/2" 10/6/11.6 ppf, J-55, STC/LTC casing. Cement w/ 588 cuft. Circulate cement a minimum of 100' inside the previous casing string.</p>	
Reference Wells:							
Reference Type	Well Name			Comments			



SEE SHEET 1 OF 5 FOR PAVING DETAILS
ALL UNDERGROUND PIPE IS TO BE CURVED A MIN. OF 3'-0" TOP

SHEET 1 OF 5

ENGINEERING REVIEW										REFERENCE DRAWINGS		CONOCO PHILLIPS			
NO.	DESCRIPTION	DATE	BY	CHK'D	DATE	DESIGNED	DATE	PROJECT	NO.	DESCRIPTION	NO.	DESCRIPTION	CLIENT NO.	CLIENT NAME	CLIENT DATE
1	PROCESS								101						
2	Mechanical														
3	Process														
4	Electrical														
5	P&ID														
6	Civil/Structural														
7	PROJECT														
SAN JUAN BUSINESS UNIT										HIGH PRESSURE 3 PHASE FACILITY DIAGRAM- SITE LAYOUT					
CONOCO PHILLIPS										HF3PHASE-REV1					
DATE										SHEET NO. 1 OF 5					

CONOCO PHILLIPS SAN JUAN BUSINESS UNIT FACILITY DIAGRAM- SITE LAYOUT 05/28/2007 - 06/05/2007

LATITUDE 36 74503°N
 LONGITUDE: 107.63402°W
 DATUM: NAD 83

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

BURLINGTON RESOURCES O&G CO LP

LIVELY #8M

555' FNL & 610' FWL

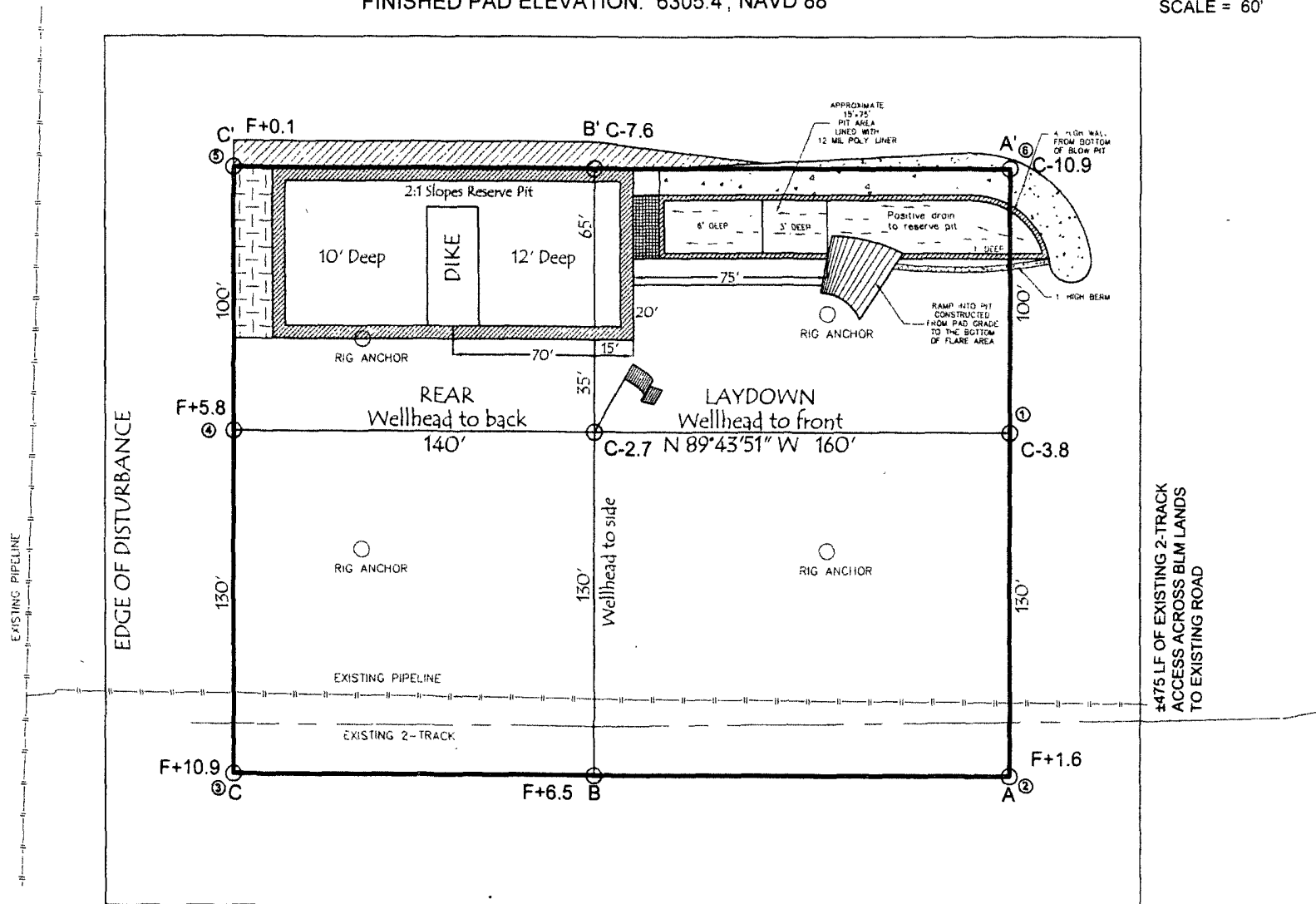
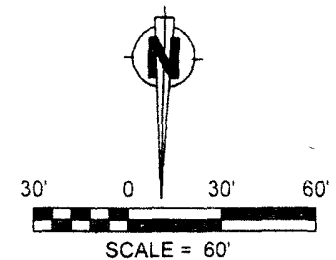
LOCATED IN THE NW/4 NW/4 OF SECTION 12,

T29N, R8W, N.M.P.M.,

SAN JUAN COUNTY, NEW MEXICO

GROUND ELEVATION: 6308', NAVD 88

FINISHED PAD ELEVATION: 6305.4', NAVD 88



330' x 400' = 3.03 ACRES OF DISTURBANCE
 SCALE: 1" = 60'
 JOB No.: COPC098
 DATE: 09/12/07

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.

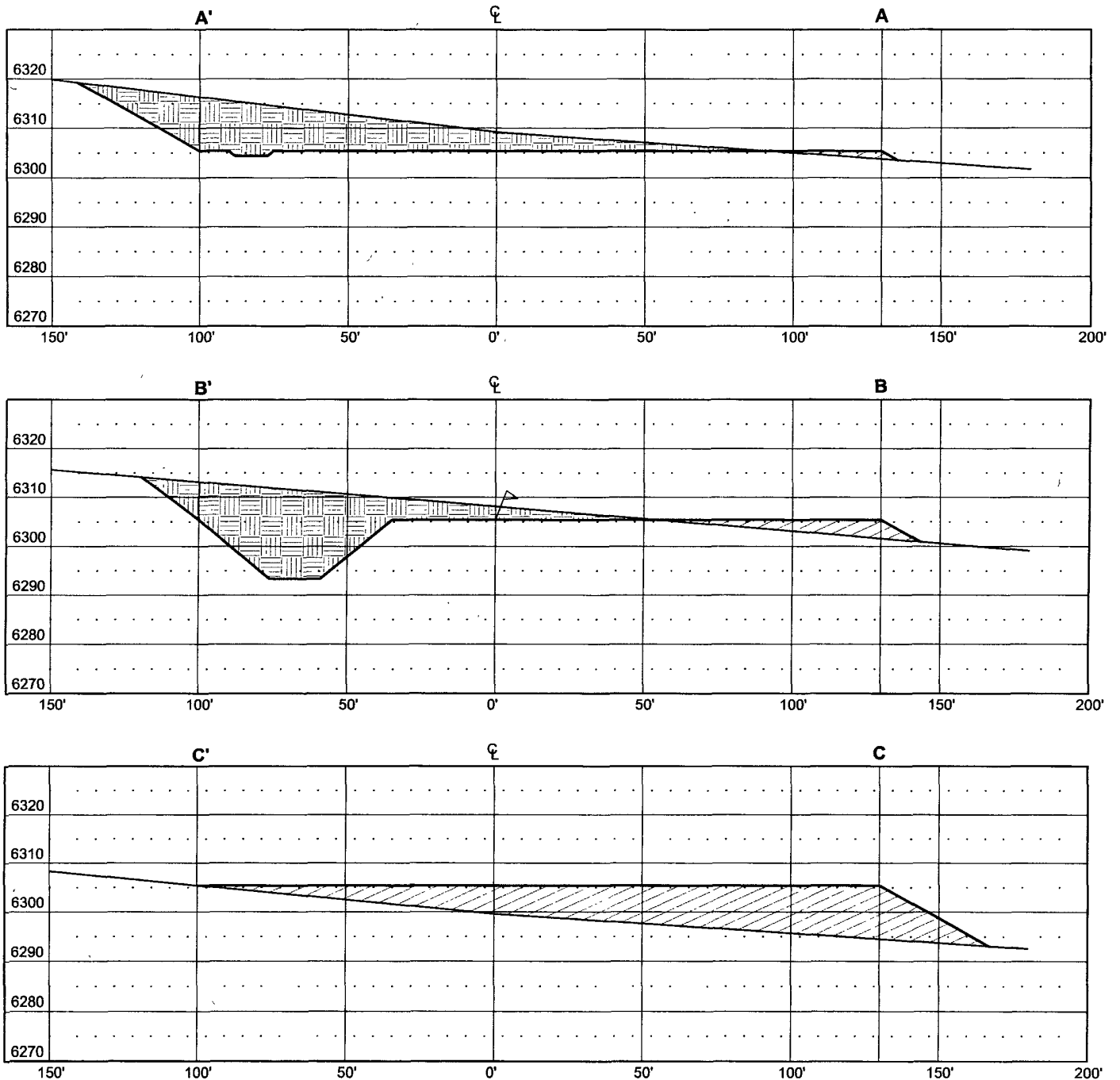


Russell Surveying
 1409 W. Aztec Blvd. #2
 Aztec, New Mexico 87410
 (505) 334-8637

LATITUDE: 36.74503°N
LONGITUDE: 107.63402°W
DATUM: NAD 83

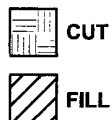
BURLINGTON RESOURCES O&G CO LP

LIVELY #8M
555' FNL & 610' FWL
LOCATED IN THE NW/4 NW/4 OF SECTION 12,
T29N, R8W, N.M.P.M.,
SAN JUAN COUNTY, NEW MEXICO
GROUND ELEVATION: 6308', NAVD 88
FINISHED PAD ELEVATION: 6305.4', 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.: COPC098
DATE: 09/12/07



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