

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

MAY 05 2008

Bureau of Land Management
Farmington Field Office

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	5. Lease Number USA SF-078439 Unit Reporting Number	
1b. Type of Well GAS	6. If Indian, All. or Tribe RCVD JUN 3 '08	
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 Johnston Federal 9. Well Number #6E	
4. Location of Well Unit K (NESW), 2219' FSL & 1435' FWL Latitude 36.85362 N Longitude 107.75433 W	10. Field, Pool, Wildcat Basin Dakota 11. Sec., Twn, Rge, Mer. (NMPM) Sec. 35, T31N, R9W API # 30-045-34699	
14. Distance in Miles from Nearest Town 22 miles Aztec	12. County San Juan	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1435'		
16. Acres in Lease 2434.230	17. Acres Assigned to Well 314.25 (W/2)	
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 840' Johnston Federal #6R - MV		
19. Proposed Depth 2827' 7492'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6036' GL	22. Approx. Date Work will Start 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 5-2-08	
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by: <u>Sasha Spangler</u> Sasha Spangler (Regulatory Technician)	Date	

PERMIT NO.

APPROVAL DATE

APPROVED BY [Signature]

TITLE Attn

DATE 5/30/08

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

JUN 16 2008

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

NMOCD

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

RECEIVED

DISTRICT I
1826 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

Bureau of Land Management
Farmingington Field Office
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

DISTRICT III
1000 Rio Brazos Rd., Aztec, N.M. 87410

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

DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-045- 34699	*Pool Code 71599	*Pool Name BASIN DAKOTA
*Property Code 7208	*Property Name JOHNSTON FEDERAL	
*GRID No. 14538	*Operator Name BURLINGTON RESOURCES OIL AND GAS COMPANY LP	
		*Well Number 6 E
		*Elevation 6036'

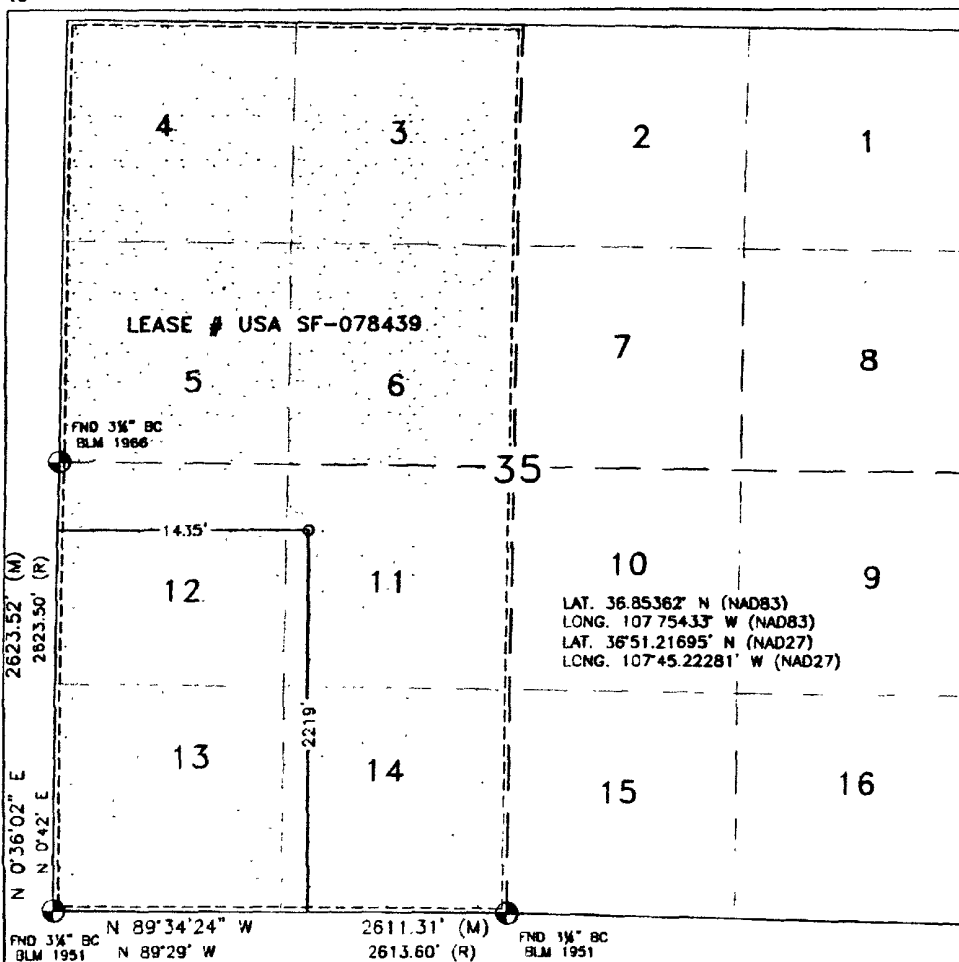
10 Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
K	35	31N	9W	11	2219'	SOUTH	1435'	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
K									
*Dedicated Acres 314.25 Acres - (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



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 undivided 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.

Sasha Spangler **01-10-08**
Signature Date

Sasha Spangler
Printed Name

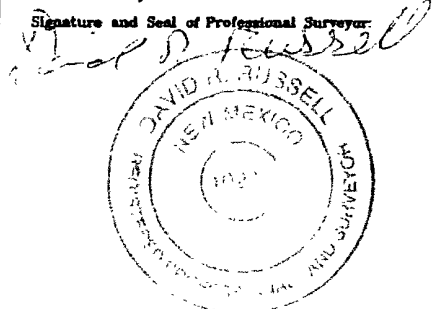
18 SURVEYOR CERTIFICATION

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.

NOVEMBER 14, 2007

Date of Survey

Signature and Seal of Professional Surveyor



DAVID RUSSELL

Certificate Number

10201

District I

Energy, Minerals and Natural Resources

May 27, 2004

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- 341099
5. Indicate Type of Lease	STATE <input type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.	USA SF-078439
7. Lease Name or Unit Agreement Name	Johnston Federal
8. Well Number	#6E
9. OGRID Number	14538
10. Pool name or Wildcat	Basin Dakota

SUNDRIY 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 K : 2219' feet from the South line and 1435' feet from the West line
Section 35 Township 31N Rng 9W NMPM County San Juan

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
6036' GR

Pit or Below-grade Tank Application ☐ or Closure ☐

Pit type New Drill Depth to Groundwater <50 Distance from nearest fresh water well >1000 Distance from nearest surface water <1000
Pit Liner Thickness: 12 mil Below-Grade Tank: Volume 4400 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: 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, 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 3/24/2008

Type or print name Crystal Walker E-mail address: crystal.walker@conocophillips.com Telephone No. 505-326-9837

For State Use Only

APPROVED BY [Signature] TITLE Deputy Oil & Gas Inspector DATE JUN 16 2008
Conditions of Approval (if any): District #3

COMPANY

BURLINGTON RESOURCES

Charge Code

WAN.ZA2.5606

WELL NAME

JOHNSTON FEDERAL # 6 E

DATE

1/11/2008

DUAL WELL

WELL NAME

TRIPLE WELL

WELL NAME

COORDINATES

SEC TNSHP RANGE

G 35 31 N 9 W

LATITUDE

36.85362 N

LONGITUDE

107.75433 W

COUNTY

SAN JUAN

RECTIFIER

SIZE

30/12

NEEDED

x

EXISTING

1 PHASE

3 PHASE

SOLARGROUND BED

x

240 V METER POLE

100 A

x

480 V METER POLED C CABLES

8

175 ft

A C CABLES

8

200 ft

city Fmt

PRIMARY POWER

1 phase

DISTANCE TO POWER

210 ft

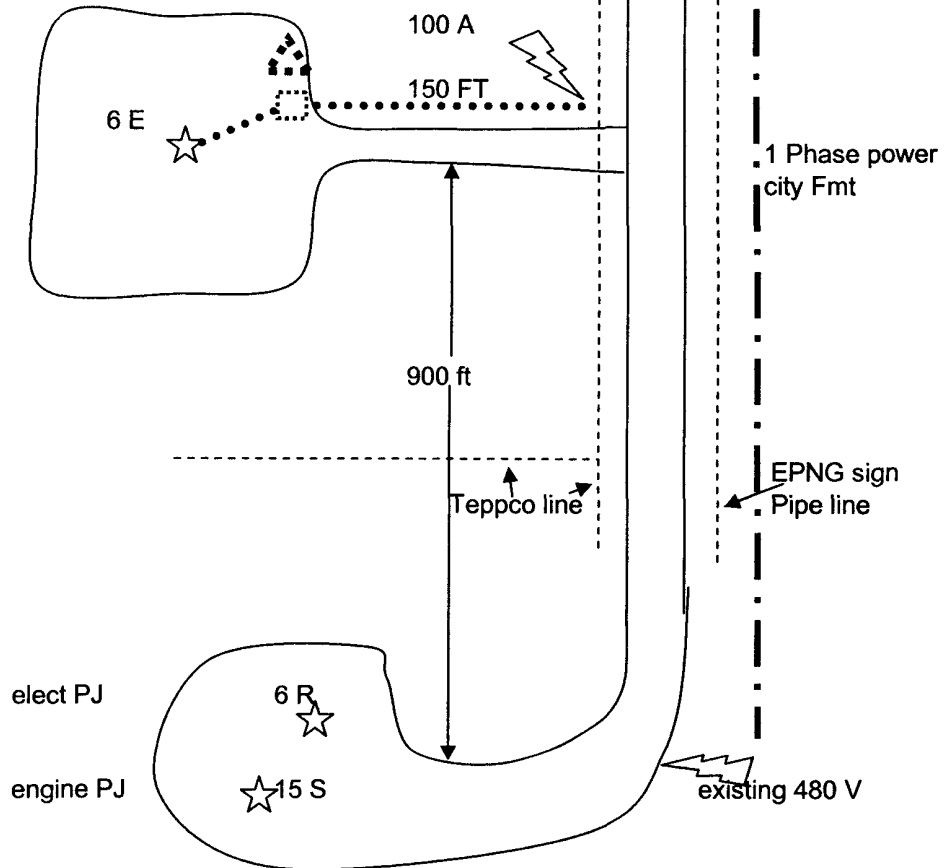
UNDERGROUNDPUMPJACKWATER PUMPCOMPRESSORRTUSAMSTANKS**COMMENTS**

set 240 V meter pole - install rectifier system - plow 150 ft ac to loc.

sandy soil

WELL NAME

loc not built yet



TANK



SEP OR
DEHY



SOLAR



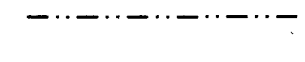
METER POLE



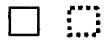
PUMP
JACK



GND/BED EXISTING CABLE



RECT



PIT



WELL



proposed
solar/gb



PROPOSED CABLE



FOREIGN PL



POWER LINE



CONOCO PL



PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

JOHNSTON FEDERAL 6E

DEVELOPMENT

Lease:		AFE #: WAN.CDR.7382		AFE \$: 637,337.39	
Field Name: hBR_SAN JUAN		Rig: H&P Rig 282		State: NM	County: SAN JUAN
Geologist:		Phone:		Geophysicist:	
Geoscientist:		Phone:		Prod. Engineer:	
Res. Engineer: Prabowo, Wahyu		Phone: 505-326-9797		Proj. Field Lead:	
Primary Objective (Zones):					
Zone	Zone Name				
FRR	BASIN DAKOTA (PRORATED GAS)				
Location: Surface		Datum Code: NAD 27		Straight Hole	
Latitude: 36.853616	Longitude: -107.753714	X:	Y:	Section: 35	Range: 009W
Footage X: 1435 FWL	Footage Y: 2219 FSL	Elevation: 6036	(FT)	Township: 031N	
Tolerance:					
Location Type:		Start Date (Est.): 1/1/2009		Completion Date:	
Formation Data:		Assume KB = 6050		Units = FT	
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT
Surface Casing	200	5850	<input type="checkbox"/>		
OJO ALAMO	1569	4481	<input type="checkbox"/>		
KIRTLAND	1684	4366	<input type="checkbox"/>		
FRUITLAND	2295	3755	<input type="checkbox"/>		Possible Gas
PICTURED CLIFFS	2876	3174	<input type="checkbox"/>		
LEWIS	2991	3059	<input type="checkbox"/>		
Intermediate Casing	3141	2909	<input type="checkbox"/>		
HUERFANITO BENTONITE	3570	2480	<input type="checkbox"/>		
CHACRA	3917	2133	<input type="checkbox"/>		
UPPER CLIFF HOUSE	4369	1681	<input type="checkbox"/>		Gas
MASSIVE CLIFF HOUSE	4591	1459	<input type="checkbox"/>	162	Gas
MENEFEE	4677	1373	<input type="checkbox"/>		
POINT LOOKOUT	5066	984	<input type="checkbox"/>		
MANCOS	5416	634	<input type="checkbox"/>		
GALLUP	6383	-333	<input type="checkbox"/>		
GREENHORN	7099	-1049	<input type="checkbox"/>		
GRANEROS	7146	-1096	<input type="checkbox"/>		
TWO WELLS	7203	-1153	<input type="checkbox"/>	2000	Gas
PAGUATE	7283	-1233	<input type="checkbox"/>		
CUBERO	7314	-1264	<input type="checkbox"/>		
LOWER CUBERO	7331	-1281	<input type="checkbox"/>		
OAK CANYON	7376	-1326	<input type="checkbox"/>		
ENCINAL	7388	-1338	<input type="checkbox"/>		
TOP SET TD	7432	-1382	<input type="checkbox"/>		Top Set TD 20' above Burro Canyon
BURRO CANYON	7462	-1412	<input type="checkbox"/>		Final TD 30' Below Burro Canyon

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

JOHNSTON FEDERAL 6E

DEVELOPMENT 10.5#

Total Depth	7492	-1442	<input type="checkbox"/>	6-1/4" hole, 4-1/2" 10.5/11.6 ppf, J-55, STC/LTC casing. Cement w/ 592 cuft. Circulate cement a minimum of 100' inside the previous casing string.
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MORRISON	7529	-1479	<input type="checkbox"/>	
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Reference Wells:		
Reference Type	Well Name	Comments
Production	JOHNSTON FEDERAL 30	31N-9W35 NE SW SE
Production	PRITCHARD 5M	31N-9W34 SW SE NE
Production	JOHNSTON FEDERAL 6R	31N-9W35 SE NW SW
Production	JOHNSTON FEDERAL 6	31N-9W35 SW NE SW

Logging Program:			
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 checked="" type="checkbox"/> TDT	<input type="checkbox"/> Other
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Cased Hole GR / CBL
Mudlog from 100' above Greenhorn to TD - mudlogger will call Top Set and Final TD
Burro Canyon test No open hole logs required

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

LATITUDE: 36.85362°N
 LONGITUDE: 107.75433°W
 DATUM: NAD 83

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

BURLINGTON RESOURCES O&G CO LP

JOHNSTON FEDERAL #6 E

2219' FSL & 1435' FWL

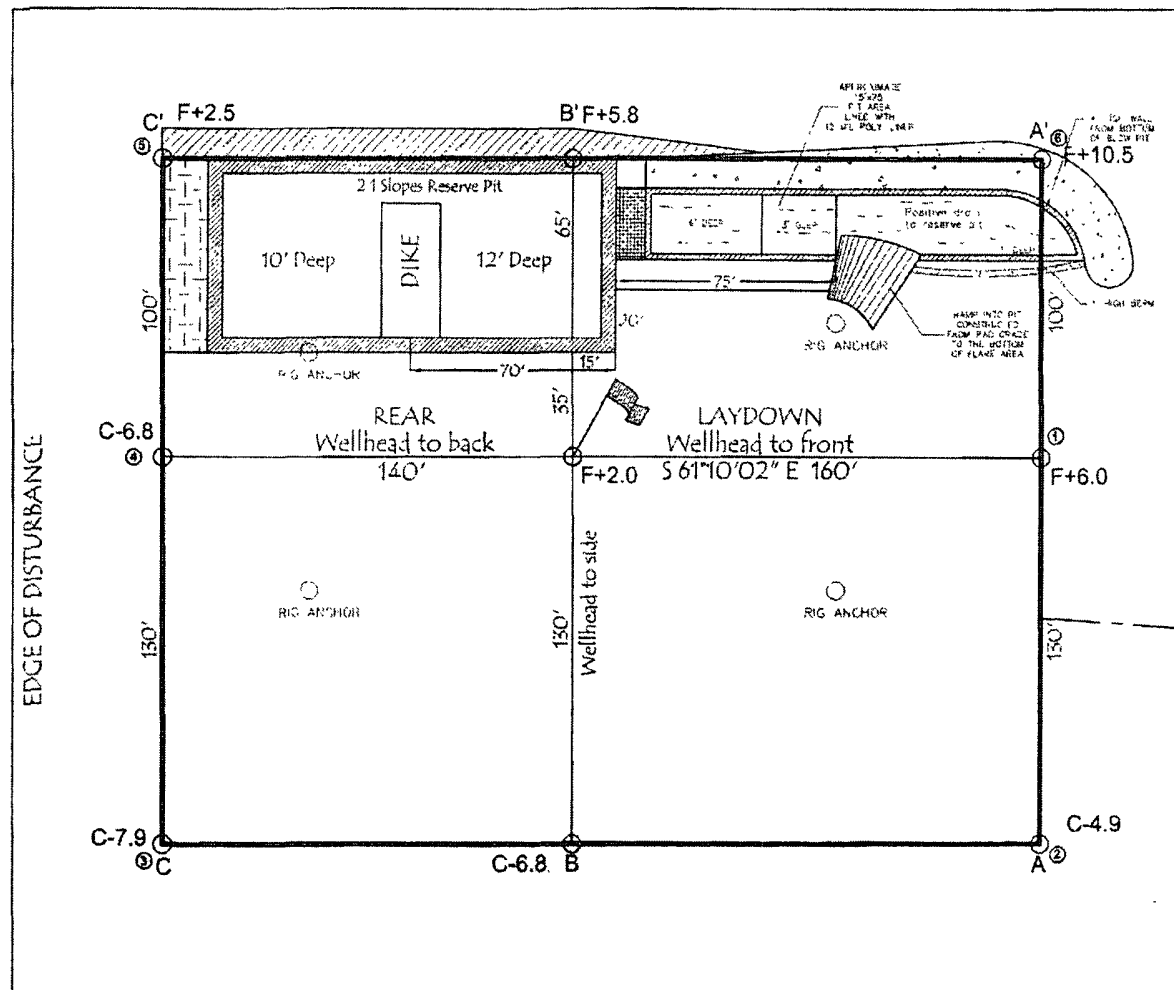
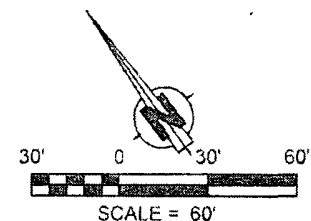
LOCATED IN THE NE/4 SW/4 OF SECTION 35,

T31N, R9W, N.M.P.M.,

SAN JUAN COUNTY, NEW MEXICO

GROUND ELEVATION: 6036', NAVD 88

FINISHED PAD ELEVATION: 6038.1', NAVD 88



330' x 400' = 3.03 ACRES OF DISTURBANCE
 SCALE: 1" = 60'
 JOB No.: COP132
 DATE: 01/02/08

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.

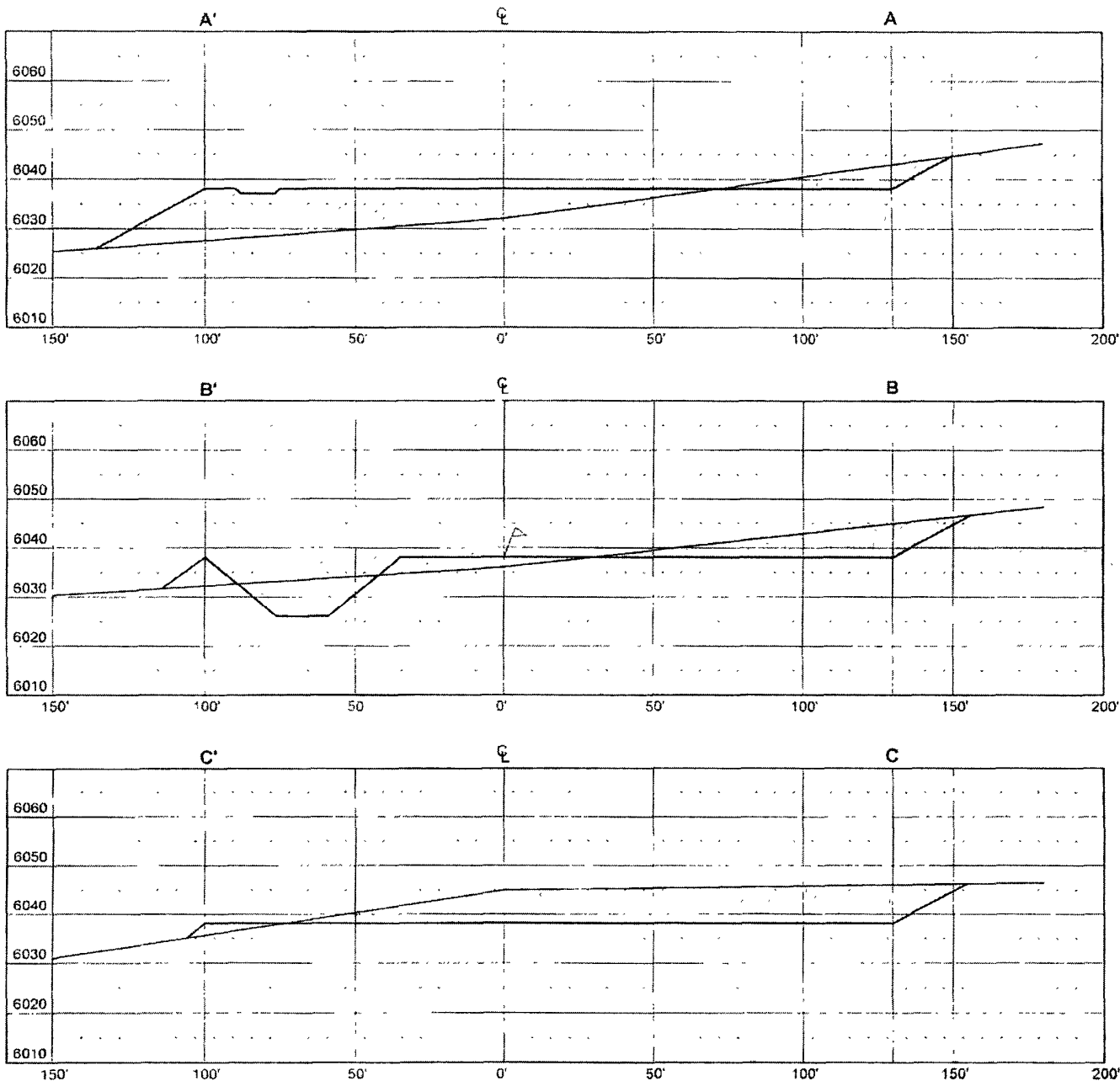


Russell Surveying
 1409 W. Aztec Blvd. #2
 Aztec, New Mexico 87410
 (505) 334-8637

LATITUDE: 36.85362°N
LONGITUDE: 107.75433°W
DATUM: NAD 83

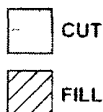
BURLINGTON RESOURCES O&G CO LP

JOHNSTON FEDERAL #6 E
2219' FSL & 1435' FWL
LOCATED IN THE NE/4 SW/4 OF SECTION 35,
T31N, R9W, N.M.P.M.,
SAN JUAN COUNTY, NEW MEXICO
GROUND ELEVATION: 6036', NAVD 88
FINISHED PAD ELEVATION: 6038.1', 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.: COPC132
DATE: 01/02/08



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