

RCVD FEB 27 '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 SEP 17 2007 Bureau of Land Management Farmington Field Office	5. Lease Number USA SF-080956
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 Martin	
	9. Well Number #100	
4. Location of Well Unit P(SESE), 670' FSL & 815' FEL Surf: Latitude 36° 76307 N Longitude 107° 97203 W	10. Field, Pool, Wildcat Basin Fruitland Coal	
	11. Sec., Twn, Rge, Mer. (NMPM) Sec. 34, T30N, R11W API # 30-045- 34431	
14. Distance in Miles from Nearest Town 4.4/Aztec	12. County San Juan	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 670'		
16. Acres in Lease 346.54	17. Acres Assigned to Well 321.87 (S/2)	
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 1900' from Martin 2		
19. Proposed Depth 2276'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 5764' GL	22. Approx. Date Work will Start	
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by: <u>Rhonda Rogers</u> Rhonda Rogers (Regulatory Technician)	G 9-17-07 Date	

PERMIT NO. APPROVAL DATE
 APPROVED BY [Signature] TITLE AFM DATE 2/25/08

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 2

Bond Numbers NMB-000015 and NMB-000089

NOTIFY AZTEC OCD 24 HRS.
PRIOR TO CASING & CEMENT

NMOCD

FEB 27 2008

H₂S POTENTIAL EXIST

DISTRICT I
1825 N. French Dr., Hobbs, NM 88240

DISTRICT II
1201 W. Grand Avenue, Artesia, NM 88210

DISTRICT III
1090 N. Main St., Lordsburg, NM 87410

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

State of New Mexico
Energy, Minerals & Natural Resources Department

RECEIVED

Form C-108
Revised October 12, 2006

SEP 17 2007

OIL CONSERVATION DIVISION
Bureau of Land Management
1220 South St. Francis Dr.
Santa Fe, NM 87505
Farmington Field Office

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-045-34431		*Pool Code 71629	*Pool Name BASIN FRUITLAND COAL (GAS)
*Property Code 7290	*Property Name MARTIN		*Well Number 100
*CURD No. 14538	*Operator Name BURLINGTON RESOURCES OIL AND GAS COMPANY LP		*Elevation 5784'

10 Surface Location

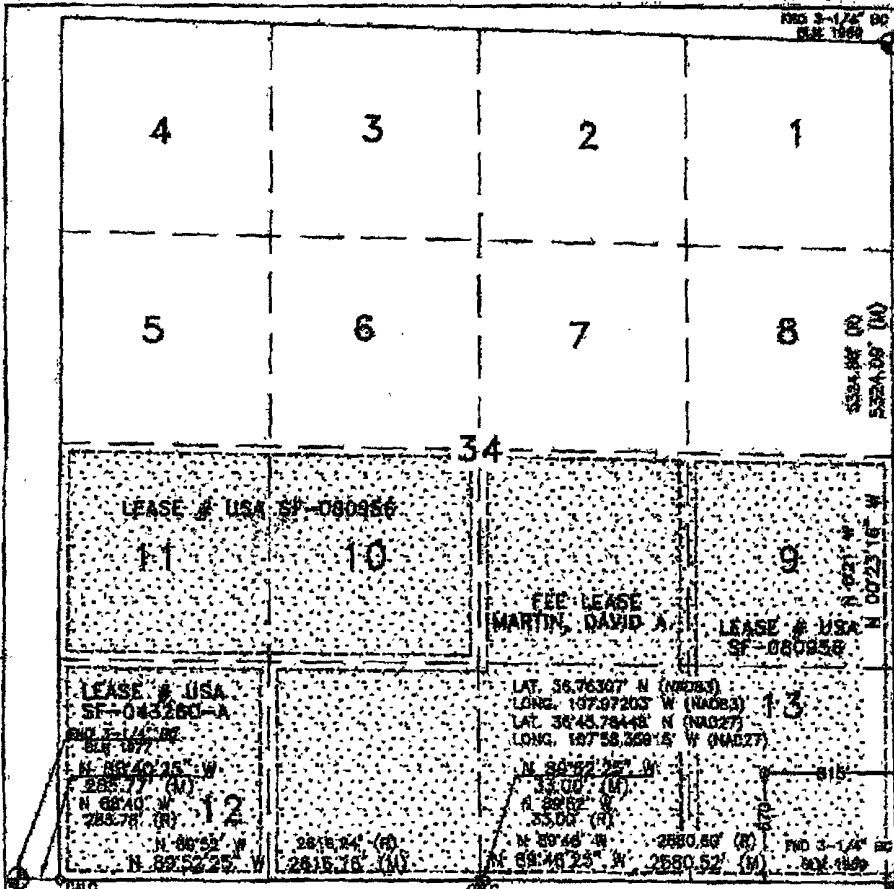
UL or lot no.	Section	Township	Range	Lot No.	Feet from the	North/South line	Feet from the	East/West line	County
P	34	30N	11W	13	678'	SOUTH	515'	EAST	SAN JUAN

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot No.	Feet from the	North/South line	Feet from the	East/West line	County
P									
*Dedicated Acres 321.87 ACRES (5/2)					*Point 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

12



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 information either was a working interest or otherwise interest indicated in the plat 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. I am not a party to the contract.

Kandis Roland
Signature
Date 7/13/07

Kandis Roland

Printed Name

18 SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from state records of official survey made by me or under my supervision, that the same is true and correct to the best of my belief.

JUNE 15, 2007

Date of Survey

Signature and Seal of Professional Surveyor

David R. Russell



DAVID RUSSELL

Certificate Number

10201

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.

30-045-34431

5. Indicate Type of Lease

STATE ☐FEE ☐

6. State Oil & Gas Lease No.

Federal Lease #USA SF-08956

7. Lease Name or Unit Agreement Name

Martin

8. Well Number

#100

9. OGRID Number

14538

10. Pool name or Wildcat

Basin Fruitland Coal

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 P : 670' feet from the South line and 815' feet from the East line
 Section 34 Township 30N Rng 11W NMPM County San Juan

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

5764'

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 ☐

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

TITLE

Regulatory Technician

DATE

9-13-07

Type or print name

Rhonda Rogers

E-mail address:

rogerrs@conocophillips.com

Telephone No.

505-599-4018

For State Use Only

APPROVED BY

TITLE

Deputy Oil & Gas Inspector,
District #3

DATE

FEB 27 2008

Conditions of Approval (if any):

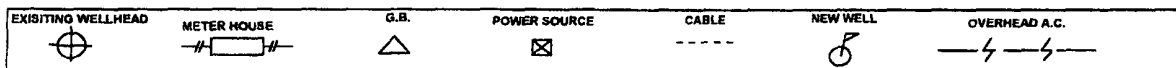
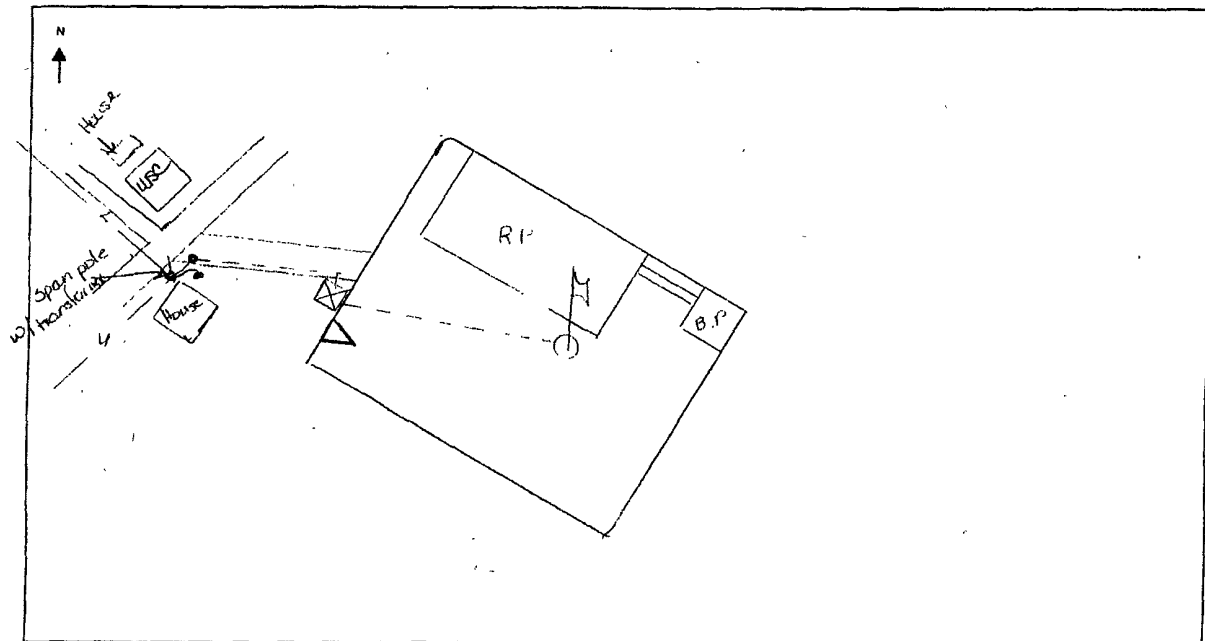


TECHNICAL SERVICES
A CORROSION COMPANY

CATHODIC PROTECTION PLAN FOR NEW WELLS

WELL NAME Hutton #1002 LEGALS P-34-30-11 COUNTY San Juan

PURPOSED C.P. SYSTEM: Drill G.B. and set rectifier on SW edge of the location. Set HP on
existing span pole and trench approx 1100' of A/C from HP to rectifier. Trench approx
150' of #8 neg from proposed well to rectifier.



COMMENTS: _____

NEAREST POWER SOURCE Overhead A/C DISTANCE: 1,100'
PIPELINES IN AREA: _____

TECHNICIAN: Michael J. Jones DATE: 9/4/07

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

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

MARTIN 100

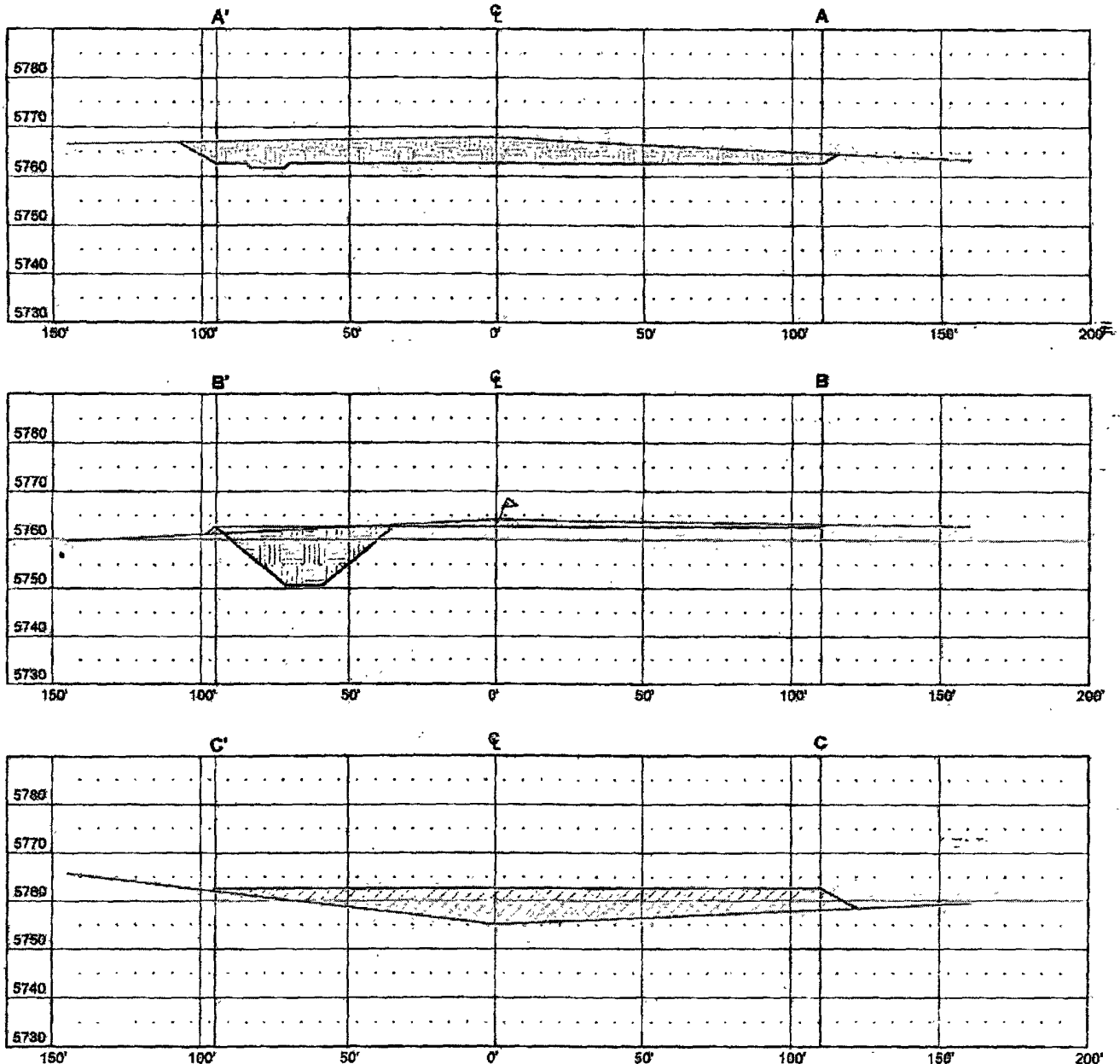
DEVELOPMENT

Lease:		AFE #: WAN.CDR.7066				AFE \$: 197,703.67	
Field Name: hBR_SAN JUAN		Rig: Aztec Riq 580		State: NM	County: SAN JUAN		API #:
Geologist:		Phone:		Geophysicist:		Phone:	
Geoscientist: Pippin, Eddie A		Phone: 505-326-9780		Prod. Engineer:		Phone:	
Res. Engineer:		Phone:		Proj. Field Lead:		Phone:	
Primary Objective (Zones):							
Zone		Zone Name					
JCV		BASIN FRUITLAND COAL (GAS)					
Location: Surface		Datum Code: NAD 27				Straight Hole	
Latitude: 36.763065		Longitude: -107.971407		X:	Y:	Section: 34	Range: 011W
Footage X: 815 FEL		Footage Y: 670 FSL		Elevation: 5764 (FT)		Township: 030N	
Tolerance:							
Location Type: Year Round		Start Date (Est.): 1/1/2008		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 5776 Units = FT							
Formation Call & Casing Points		Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing		120	5656	☐			8-3/4 hole. 7" 20 ppf, J-55 STC csg. Cement with 50 cuft. Circulate cement to surface.
OJO ALAMO		716	5060	☐			
KIRTLAND		866	4910	☐			
FRUITLAND		1766	4010	☐			Gas
PICTURED CLIFFS		2076	3700	☐	290		Gas
Total Depth		2276	3500	☐			6-1/4" hole. 4-1/2" 10.5 ppf, J-55, STC casing. Cement with 350 cuft. Circulate cement to surface.
Reference Wells:							
Reference Type	Well Name			Comments			
Logging Program:							
Intermediate Logs: ☐ Log only if show ☐ GR/ILD ☐ Triple Combo							
TD Logs: ☐ Triple Combo ☐ Dipmeter ☐ RFT ☐ Sonic ☐ VSP ☐ TDT ☒ Other							
GR/CBL							
Additional Information:							
Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name		Remarks	

LATITUDE: 36.76307°N
LONGITUDE: 107.97203°W
DATUM: NAD 83

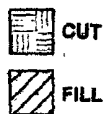
BURLINGTON RESOURCES O&G CO LP

MARTIN #100
670' FSL & 815' FEL
LOCATED IN THE SE/4 SE/4 OF SECTION 34,
T30N, R11W, N.M.P.M.,
SAN JUAN COUNTY, NEW MEXICO
GROUND ELEVATION: 5764', NAVD 88
FINISHED PAD ELEVATION: 5762.6', 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" = 60'
JOB No.: COP063
DATE: 08/28/07



Russell Surveying
1408 W. Aztec Blvd. #2
Aztec, New Mexico 87410
(505) 334-8837

LATITUDE: 36.76307°N
 LONGITUDE: 107.97203°W
 DATUM: NAD 83

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

BURLINGTON RESOURCES O&G CO LP

MARTIN #100

670' FSL & 815' FEL

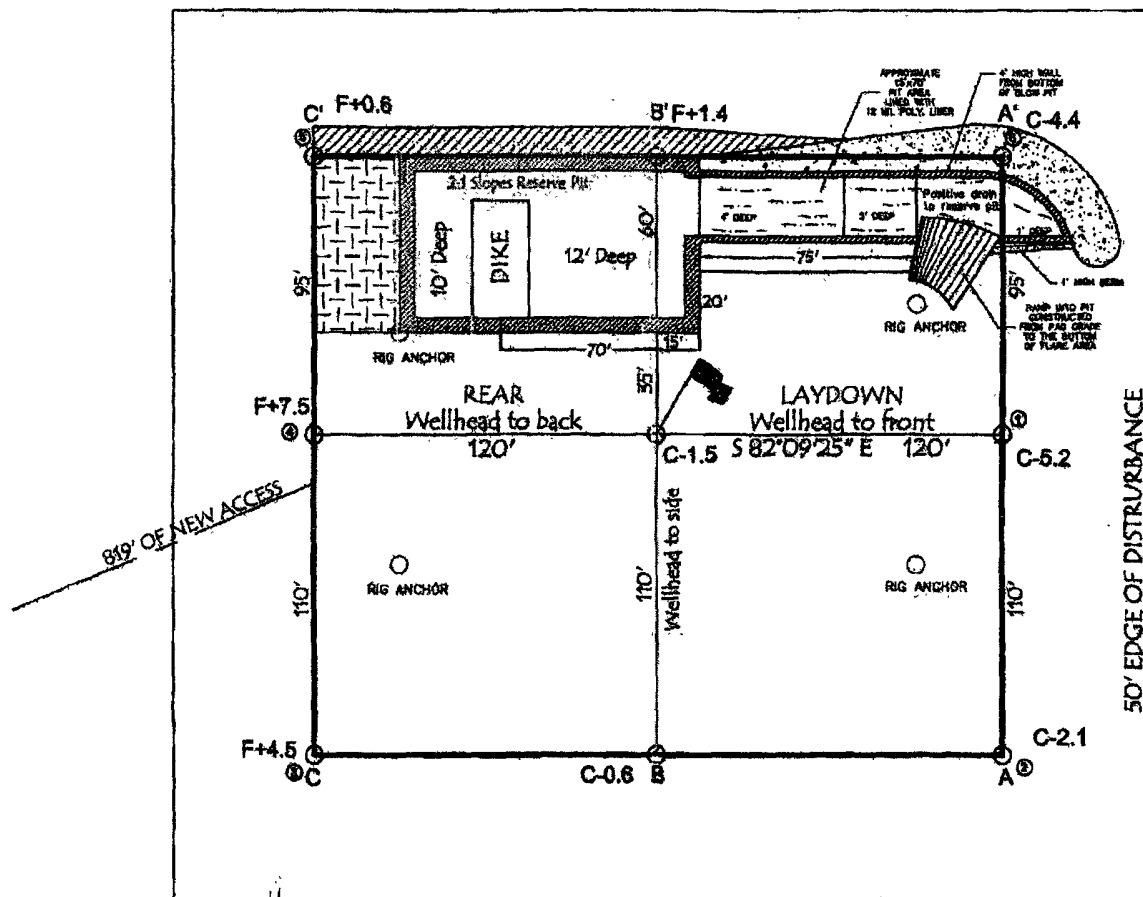
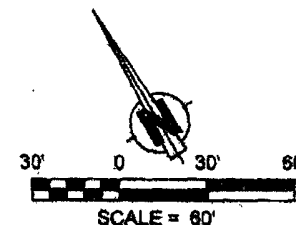
LOCATED IN THE SE/4 SE/4 OF SECTION 34,

T30N, R11W, N.M.P.M.,

SAN JUAN COUNTY, NEW MEXICO

GROUND ELEVATION: 5764', NAVD 88

FINISHED PAD ELEVATION: 5762.6', NAVD 88



305' x 340' = 2.38 ACRES OF DISTURBANCE

SCALE: 1" = 60'

JOB No.: COPC068

DATE: 06/28/07

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.



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Aztec, New Mexico 87410

(505) 334-8637