

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

JAN 08 2009

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

Bureau of Land Management
Farmington Field Office

1a. Type of Work DRILL	5. Lease Number SF-045646-A Unit Reporting Number
1b. Type of Well GAS	6. If Indian, All. or Tribe RCVD JAN 23 '09 OIL CONS. DIV.
2. Operator BURLINGTON RESOURCES Oil & Gas Company, LP	7. Unit Agreement Name DIST. 3
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name Mansfield 9. Well Number 100
4. Location of Well Surf: Unit J(NWSE), 1651' FSL & 1773' FEL Surf: Latitude 36.78012 N Longitude 107.80081 W	10. Field, Pool, Wildcat Basin Friutland Coal 11. Sec., Twn, Rge, Mer. (NMPM) J Sec. 29, T30N, R9W API # 30-045-34892
14. Distance in Miles from Nearest Town 13 mile/Aztec	12. County San Juan 13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1651'	
16. Acres in Lease 480.00	17. Acres Assigned to Well FC 320.00 (E/2)
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 50' from Mansfield 11M	
19. Proposed Depth 2745'	20. Rotary or Cable Tools Rotary This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4
21. Elevations (DF, FT, GR, Etc.) 5900' GL	22. Approx. Date Work will Start 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>James Gardenhire</u> James Gardenhire (Regulatory Technician)	1-05-08 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 2

Bond Numbers NMB-000015 and NMB-000089

NMOCD

8/23

JAN 29 2009

NOTIFY AZTEC OCD 24 HRS.
PRIOR TO CASING & CEMENT

DISTRICT I
1626 N. French Dr., Hobbs, N.M. 88240

DISTRICT II
1801 W. Grand Avenue, Artesia, N.M. 88210

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

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

State of New Mexico
Energy, Minerals & Natural Resources Department

RECEIVED

Form C-102
Revised October 12, 2005

OIL CONSERVATION DIVISION

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

Bureau of Land Management

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 30-035-34892	*Pool Code 72169 71029	*Pool Name BASIN FRIUTLAND COAL
*Property Code 7284	*Property Name MANSFIELD	*Well Number 100
*OGRID No. 14538	*Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP	*Elevation 5900'

10 Surface Location

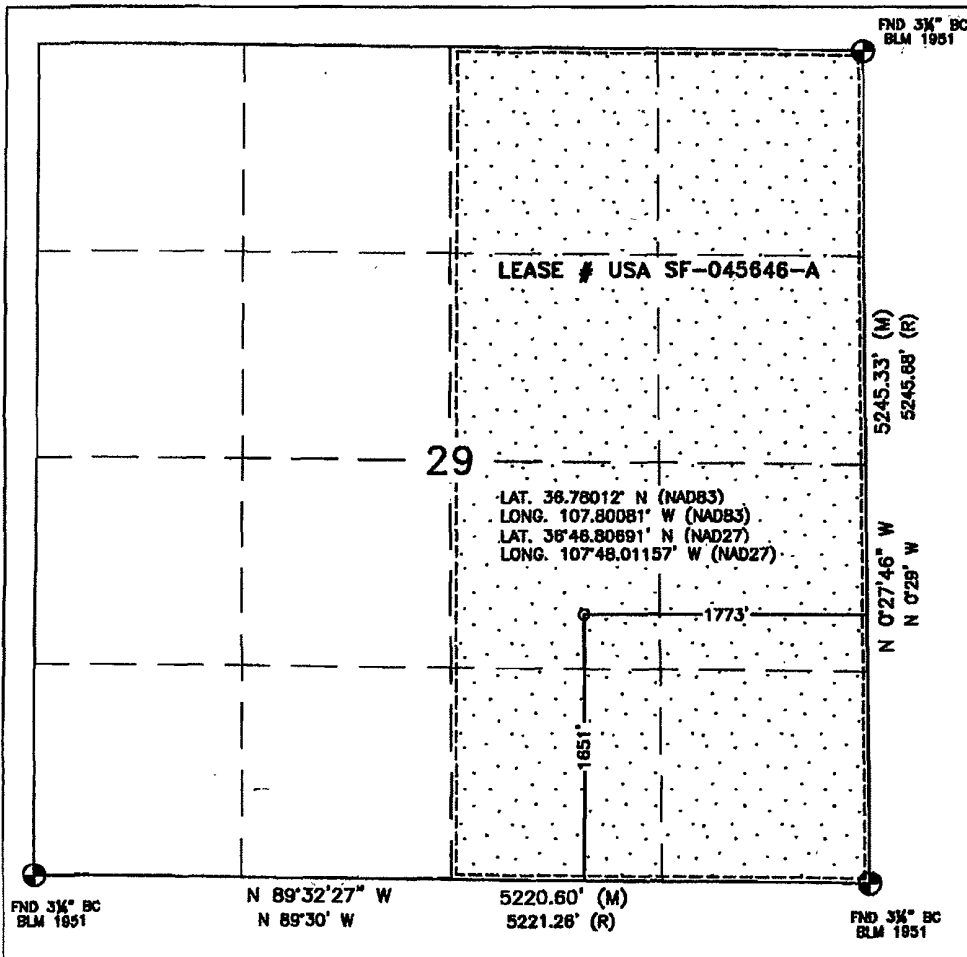
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
J	29	30N	9W		1651'	SOUTH	1773'	EAST	SAN JUAN

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									
Dedicated Acres 320.0 Acres - (E/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



FND 3/4" BC
BLM 1951

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.

Signature: Crystal Tafoya
Date: 8/19/08

Printed Name: Crystal Tafoya 8-19-08

Printed Name

18 SURVEYOR CERTIFICATION

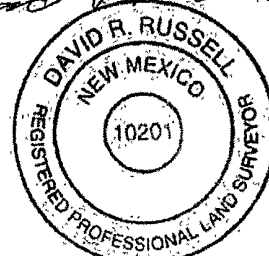
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

JULY 22, 2008

Date of Survey

Signature and Seal of Professional Surveyor:

Signature: David R. Russell



DAVID RUSSELL

Certificate Number

10201

COMPANY
Charge Code
WELL NAME
DUAL WELL
TRIPLE WELL

BURLINGTON RESOURCES		
WAN.RFE.PD08.R9		
MANSFIELD # 100	DATE	8/7/2008
WELL NAME	MANSFIELD # 11 M	
WELL NAME		

COORDINATES

SEC	TNSHP	RANGE	LATITUDE	LONGITUDE
J 29	30 N	9 W	36.78012 N	107.80081 W

COUNTY

SAN JUAN

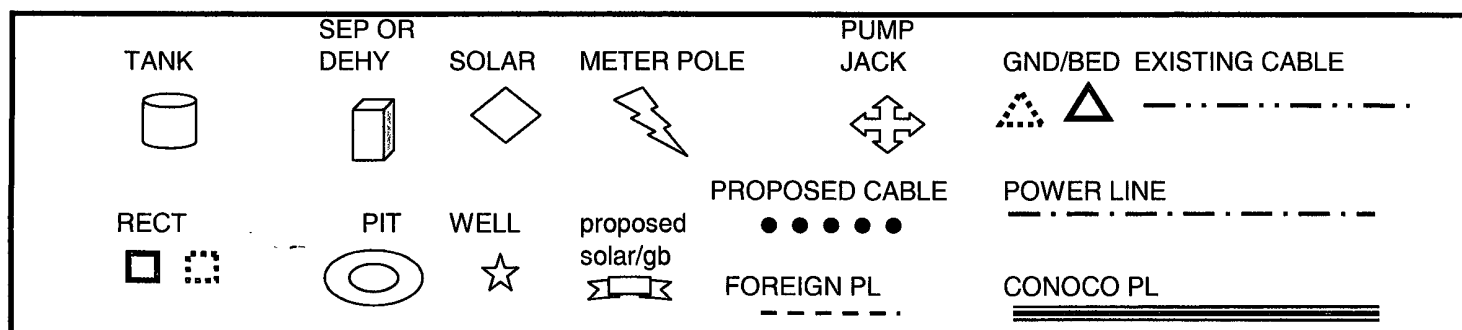
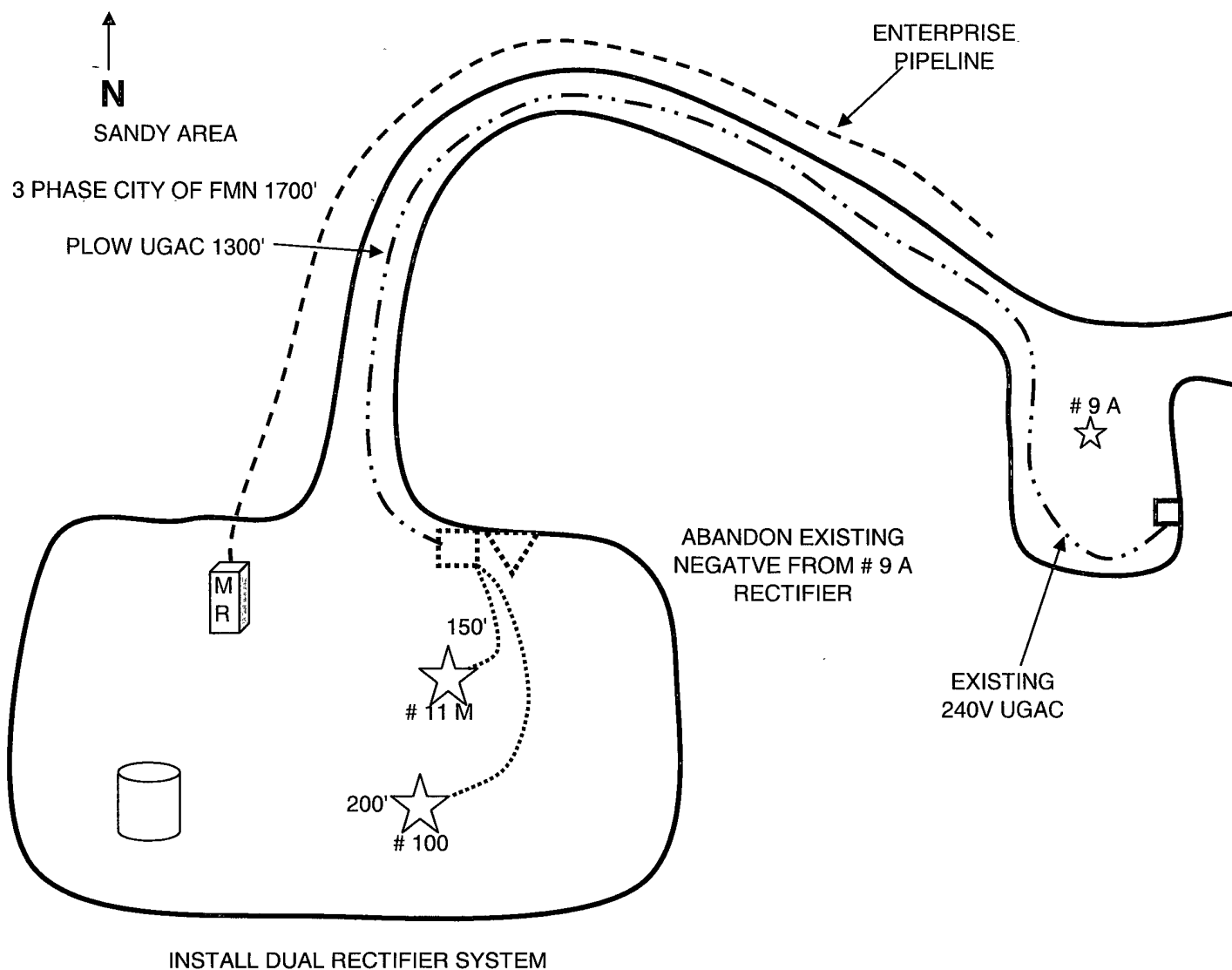
RECTIFIER
SOLAR
GROUND BED
240 V METER POLE
480 V METER POLE
D C CABLES
A C CABLES
PRIMARY POWER
DISTANCE TO POWER
UNDERGROUND
PUMPJACK
WATER PUMP

SIZE	NEEDED	EXISTING	1 PHASE	3 PHASE
40/16	X			
	X			
# 8	450'			
# 8	1450'			
				CITY OF FMN
				1700'

COMMENTS

SANDY AREA
3 PHASE CITY OF FMN PRIMARY 1700'
PLOW UGAC 1300'
ABANDON EXISTING NEG. FROM # 9 A RECTIFIER
INSTALL DUAL RECTIFIER SYSTEM

WELL NAME	MANSFIELD # 100
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PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

MANSFIELD 100

DEVELOPMENT

Lease:		AFE #: WAN.CDR.8265		AFE \$: 248,266.49	
Field Name: hBR_SAN JUAN		Rig: Aztec Rig 580		State: NM	County: SAN JUAN
Geologist:		Phone:		Geophysicist:	
Geoscientist: Clark, Dave D		Phone: +1 505-326-9762		Prod. Engineer:	
Res. Engineer: Akwari, Bill N		Phone: +1 505-599-4076		Proj. Field Lead:	
				Phone:	

Primary Objective (Zones):

Zone	Zone Name
JCV	BASIN FRUITLAND COAL (GAS)

Location: Surface Datum Code: NAD 27

Latitude: 36.780115	Longitude: -107.800193	X:	Y:	Section: 29	Range: 009W
Footage X: 1773 FEL	Footage Y: 1651 FSL	Elevation: 5900 (FT)	Township: 030N		

Tolerance:

Location Type: Year Round	Start Date (Est.): 1/1/2010	Completion Date:	Date In Operation:
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Formation Data: Assume KB = 5912 Units = FT

Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	120	5792	☐			8-3/4 hole. 7" 20 ppf, J-55 STC csg. Cement with 50 cuft. Circulate cement to surface.
OJO ALAMO	1397	4515	☐			
KIRTLAND	1469	4443	☐			
FRUITLAND	2222	3690	☐	400		Gas
PICTURED CLIFFS	2545	3367	☐			Gas
Total Depth	2745	3167	☐			6-1/4" hole. 4-1/2" 10.5 ppf, J-55, STC casing. Cement with 422 cuft. Circulate cement to surface.

Reference Wells:

Reference Type	Well Name	Comments
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Logging Program:

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

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

Additional Information:

Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks
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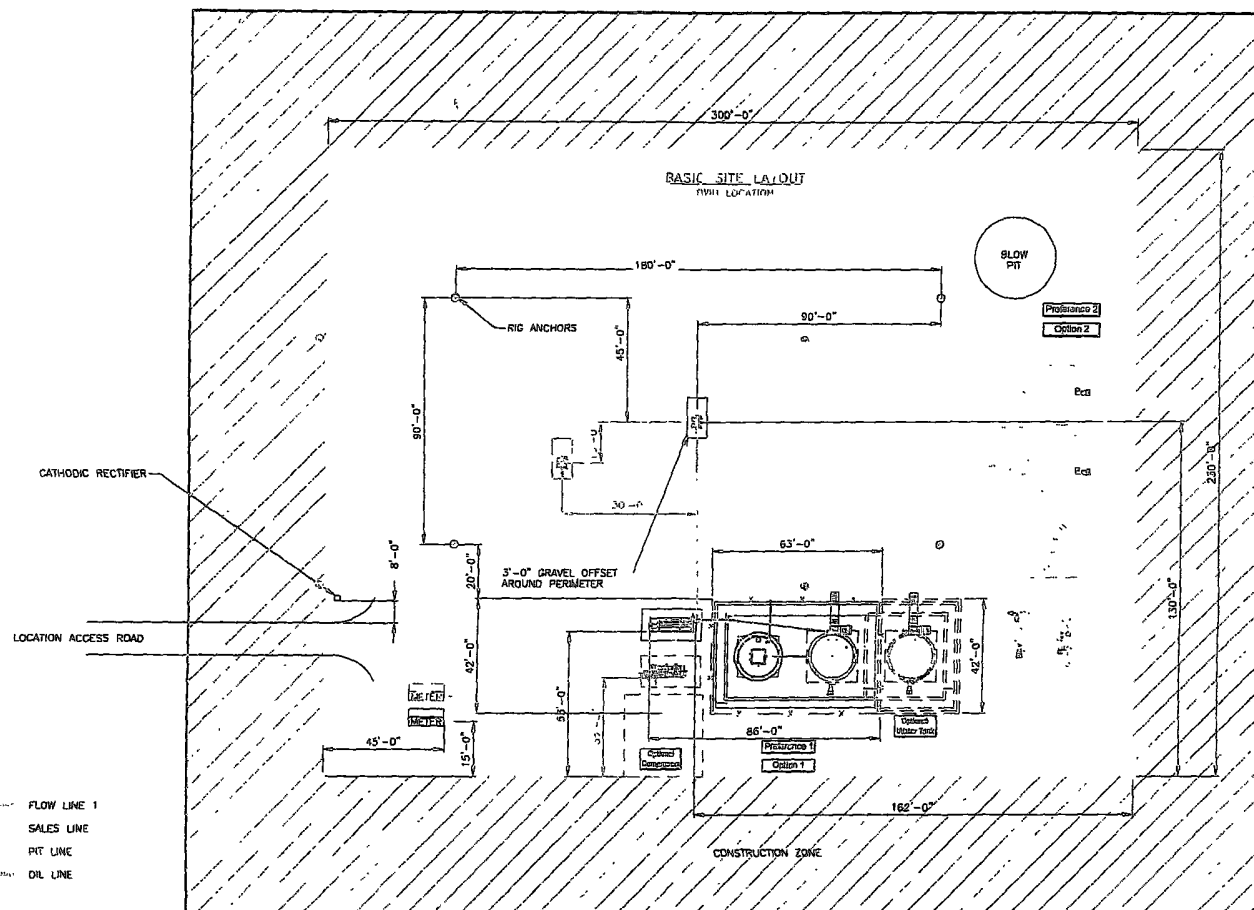
Comments: Location/Tops/Logging - FCNM030N009W29SE1 Stay at least 800' away from Goede 3 (PC). Prefer P, O, J. Topo could be an issue.

Zones - FCNM030N009W29SE1

General/Work Description - CX2 Pilot

UPE

11/24/08-GW test well needed wfp - 11/26/08-no GW found wfp



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

SHEET 1 OF 5

										ENGINEERING REVIEW			REFERENCE DRAWINGS		CONOCOPhillips		CONOCOPhillips HIGH PRESSURE 3 PHASE FACILITY DIAGRAM- SITE LAYOUT		
										APPROVED	REVIEWED	DATE	NO.	DESCRIPTION					
										PROCESS									
										MECHANICAL									
										PIPING									
										ELECTRICAL									
										I & C									
										CIVIL/STRUCTURAL									
										PROJECT									
DESCRIPTION	DATE	BY	CHKD	ENG	ISC	PRJ								SAN JUAN BUSINESS UNIT		OWNER TAG: DESIGN BY:	CLEAR APPR SCALE HERE	APPR. DATE: CREATION DATE: 6/20/07	SHEET NO. 1 OF 5

BURLINGTON RESOURCES OIL & GAS COMPANY LP

MANSFIELD #100

1651' FSL & 1773' FEL

LOCATED IN THE NW/4 SE/4 OF SECTION 29,

T30N, R9W, N.M.P.M.,

SAN JUAN COUNTY, NEW MEXICO

DIRECTIONS

- 1) FROM HWY 550 & HWY 173 IN AZTEC, NM., GO EASTERLY ON HWY 173 FOR 10.9 MILES.
- 2) TURN RIGHT, GO SOUTH EASTERLY FOR 1.6 MILES.
- 3) TURN RIGHT, GO 0.25 MILES TO EXISTING LOCATION, WHERE WELL IS TWINNED.

WELL FLAG LOCATED AT LAT. 36.78012°N, LONG.107.80081°W (NAD 83).

JOB No.: COPC211
DATE: 07/30/08



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