

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

AUG - 1 PM 3:50

1a. Type of Work DRILL	5. Lease Number USA SF 079391 Unit Reporting Number 210 FARMINGTON NM 6. If Indian, All. or Tribe NMMN-78469B-MV NMMN-78469A-DK	
1b. Type of Well GAS	7. Unit Agreement Name San Juan 27-5 Unit	
2. Operator BURLINGTON RESOURCES Oil & Gas Company, LP	8. Farm or Lease Name	
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	9. Well Number #905	
4. Location of Well Surf: Unit E(SWNW), 1695' FNL & 1161' FWL BH: Unit F(SENW), 1635' FNL & 1665' FWL Surf: Latitude 36° 35.4791 N Longitude 107° 23.1807 W BH: Latitude 36° 35.4870 N Longitude 107° 23.0778 W	10. Field, Pool, Wildcat Blanco MV/Basin DK 11. Sec., Twn, Rge, Mer. (NMPM) E Sec. 8, T27N, R5W API # 30-039-30310	
14. Distance in Miles from Nearest Town 35 mile/Blanco	12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1161'	17. Acres Assigned to Well MV/DK 320 (W/2)	
16. Acres in Lease	20. Rotary or Cable Tools Rotary	
18. Distance from Proposed Location to Nearest Well, Drlg. Compl. or Applied for on this Lease 52' from San Juan 27-5 Unit #150R	22. Approx. Date Work will Start RCVD SEP 6 '07 OIL CONS. DIV.	
19. Proposed Depth 7856' TVD/7938' TMD	23. Proposed Casing and Cementing Program See Operations Plan attached	
21. Elevations (DF, FT, GR, Etc.) 6619' GL	24. Authorized by: <u>Rhonda Rogers</u> Rhonda Rogers (Regulatory Technician)	
	7-31-07 Date	

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY [Signature] TITLE AFM DATE 9/4/07

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 ON FOR directional survey & pilot test approval

NMOCD As drilled C-107

This 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.

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, N.M. 87505

State of New Mexico
Energy, Minerals & Natural Resources Department

ANG - 1 PM 3:50

Form C-102

Revised October 12, 2005

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.
Santa Fe, N.M. 87505

210 EAST WASHINGTON NM

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-30310	² Pool Code 71599/72319	³ Pool Name Basin Dakota/ Blanco Mesaverde
⁴ Property Code 7454	⁵ Property Name SAN JUAN 27-5 UNIT	⁶ Well Number 905
⁷ OGRI No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP.	⁹ Elevation 6619

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
E	8	27 N	5 W		1695	NORTH	1161	WEST	RIO ARriba

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
F	8	27 N	5 W		1635	NORTH	1665	WEST	RIO ARriba

¹² Dedicated Acres 320 W/2	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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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 S 88°47'03" E 2646.33' 1635' 1635' 1665' 1161' N 0°23'21" W 2616.10' N 0°35'07" W N 78°52'24" W 2690.16'	SECTION 8 NAD 83 LAT: 36.591459° N LONG: 107.385232° W NAD 27 LAT: 36° 35.4870' N LONG: 107° 23.0778' W USA SF-079391 ○ = SURFACE LOCATION ● = BOTTOM HOLE LOCATION S 83°29'20" W 2670.27'	5208.18' 2689.32' S 1°25'51" E 2680.33' S 1°21'02" E	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 of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. <i>Kandis Roland</i> 7/13/07 Signature Kandis Roland 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. 5/17/07 Date of Survey Signature and Seal of Professional Surveyor MARSHALL W. LINDEN NEW MEXICO 17078 LICENSED PROFESSIONAL SURVEYOR 17078 Certificate Number
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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.

30-039- 30310

5. Indicate Type of Lease

STATE ☐FEE ☐

6. State Oil & Gas Lease No.

Federal Lease # USA SF-079391

7. Lease Name or Unit Agreement Name

San Juan 27-5 Unit

8. Well Number

#905

9. OGRID Number

14538

10. Pool name or Wildcat

Blanco MV/Basin DK

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 E : 1695' feet from the North line and 1161' feet from the West line
 Section 8 Township 27N Rng 5W NMPM County Rio Arriba

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

6619'

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:

N/A

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 ☒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, Unlined:

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, vent/flare pit and pre-set mud pit will be unlined 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 unlined, 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

7-24-07

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

SEP 10 2007

Conditions of Approval (if any):

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 27-5 UNIT 905

DEVELOPMENT

Lease:		AFE #: WAN.CDR.7185				AFE \$:	
Field Name: hBR_SAN JUAN 27-5 UNIT		Rig: Aztec Rig 730		State: NM	County: RIO ARRIBA	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						
R20002	MESAVERDE(R20002)						
R20076	DAKOTA(R20076)						
Location: Surface							
Datum Code: NAD 27		Deviated					
Latitude: 36.591319	Longitude: -107.386345	X:	Y:	Section: 08		Range: 005W	
Footage X: 1161 FWL	Footage Y: 1695 FNL	Elevation: 6619	(FT)	Township: 027N			
Tolerance:							
Location: Bottom Hole							
Datum Code: NAD 27		Deviated					
Latitude: 36.591450	Longitude: -107.384630	X:	Y:	Section: 08		Range: 005W	
Footage X: 1665 FWL	Footage Y: 1635 FNL	Elevation:	(FT)	Township: 027N			
Tolerance:							
Location Type: Restricted		Start Date (Est.):		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 6635 Units = FT							
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks	
Surface Casing	200	6435	☐			12-1/4 hole. 200' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 203 cuft. Circulate cement to surface.	
OJAM	2733	3902	☐				
KRLD	2930	3705	☐				
FRLD	3024	3611	☐			Possible Gas	
PCCF	3418	3217	☐				
LEWS	3526	3109	☐				
Intermediate Casing	3626	3009	☐			8 3/4" Hole. 7", 20 ppf, J-55, STC Casing. Cement with 825 cuft. Circulate cement to surface.	
HUERFANITO BENTONITE	3964	2671	☐				
CHRA	4375	2260	☐				
UCLFH	4994	1641	☐			Gas	
MASSIVE CLIFF HOUSE	5084	1551	☐	702		Gas	
MENF	5264	1371	☐				
PTLK	5570	1065	☐				
MNCS	6041	594	☐				
GLLP	6771	-136	☐				
GRHN	7522	-887	☐				
GRRS	7579	-944	☐				
TWLS	7612	-977	☐	2600		Gas	
PAGU	7712	-1077	☐				
CBRO	7732	-1097	☐				
CBRL	7776	-1141	☐				
OAK CANYON	7856	-1221	☐			TD T/OKCN	

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 27-5 UNIT 905

DEVELOPMENT

TOTAL DEPTH DK 7856 -1221 ☐

6-1/4" Hole. 4-1/2", 10.6/11.6 ppf, J-55 STC/LTC casing.
Cement with 576 cuft. Circulate cement a minimum of 100'
inside the previous casing string.

Reference Wells:

Reference Type	Well Name	Comments
Production	27-4 112M	NW 8-27N-4W

Logging Program:

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

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

GR_CBL, Mudlog 100' above GRHN to TD

Additional Information:

Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks
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Comments: Location/Tops/Logging - MVNM027N005W08NW6 DKNM027N005W08NW6 SHL as twin with 150R and BHL at 1635' FNL & 1665' FWL. Same subsea tops as 902, MUDLOG 100' above GRHN to TD

Zones - MVNM027N005W08NW6 DKNM027N005W08NW6

ConocoPhillips

Survey Report

Company:	ConocoPhillips Lower 48	Local Co-ordinate Reference:	Well SJ 27-5 #905
Project:	San Juan Basin	TVD Reference:	WELL @ 6634 0ft (Original Well Elev)
Site:	Monty's Site for directional MV/DK wells	MD Reference:	WELL @ 6634 0ft (Original Well Elev)
Well:	SJ 27-5 #905	North Reference:	True
Wellbore:	SJ 27-5 #905	Survey Calculation Method:	Minimum Curvature
Design:	Plan #1	Database:	EDM Central Planning

Planned Survey

Measured Depth (ft)	Inclination (d)	Azimuth (d)	Vertical Depth (ft)	+N-S (ft)	+E-W (ft)	Vertical Section (ft)	Dogleg Rate (d/100ft)	Built Rate (d/100ft)	Turn Rate (d/100ft)
7,858.1	0.00	0.00	7,776.0	60.0	504.0	507.6	0.00	0.00	0.00
Lower Cubero									
7,900.0	0.00	0.00	7,817.9	60.0	504.0	507.6	0.00	0.00	0.00
7,938.1	0.00	0.00	7,856.0	60.0	504.0	507.6	0.00	0.00	0.00
TD - Oak Canyon - SJ 27-5 #905 - PCP									

Targets

Target Name	hit/miss target	Dip Angle (d)	Dip Dir. (d)	TVD (ft)	+N-S (ft)	+E-W (ft)	Northing (m)	Easting (m)	Latitude	Longitude
SJ 27-5 #905 - PCP	- plan hits target	0.00	0.00	7,856.0	60.0	504.0	16 09	153 90	30° 59' 25.106" N	109° 25' 38.304" W
- Point										
SJ S&-5 #905 - ICP	- plan hits target	0.00	0.00	3,626.0	60.0	504.0	16 09	153 90	30° 59' 25.106" N	109° 25' 38.304" W
- Point										

Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (d)	Dip Direction (d)
2,782.1	2,733.0	Ojo Alamo		0.00	
2,995.7	2,930.0	Kirtland		0.00	
3,095.6	3,024.0	Fruitland		0.00	
3,499.7	3,418.0	Pictured Cliffs		0.00	
3,608.0	3,526.0	Lewis		0.00	
4,046.1	3,964.0	Huerf. Bent.		0.00	
4,457.1	4,375.0	Chacra		0.00	
5,076.1	4,994.0	Upper Cliffhouse		0.00	
5,166.1	5,084.0	Mass. Cliffhouse		0.00	
5,346.1	5,264.0	Menefee		0.00	
5,652.1	5,570.0	Pt. Lookout		0.00	
6,123.1	6,041.0	Mancos Shale		0.00	
6,853.1	6,771.0	Gallup		0.00	
7,604.1	7,522.0	Greenhorn		0.00	
7,661.1	7,579.0	Graneros		0.00	
7,694.1	7,612.0	Two Wells		0.00	
7,794.1	7,712.0	Paguate		0.00	
7,814.1	7,732.0	Upper Cubero		0.00	
7,858.1	7,776.0	Lower Cubero		0.00	
7,938.1	7,856.0	TD		0.00	
7,938.1	7,856.0	Oak Canyon		0.00	

Checked By: _____ Approved By: _____ Date: _____

[illegible]

EXISTING DISTURBANCE = 0.60 ACRES
WELLPAD = 2.24 ACRES
TEMPORARY CONSTRUCTION = 1.90 ACRES
TOTAL = 4.74 ACRES

LATITUDE 36°35.4628' N LONGITUDE 107°23 1742' W NAD 27

פאד דאס, אפאט

1. RAMP INTO PIT CONSTRUCTED FROM PAD GRADE
INTO FLAT AREA AT 4% SLOPE.
2. APPROXIMATE 15X75' PIT AREA LINED WITH 1/2 MIL POLYMER
3. RESERVE 11' DNE TO BE 8' ABOVE DUMP SIDE (OVERFLOW
3' WIDE AND 4' ABOVE SHALLOW SIDE)
4. EDGE OF TEMPORARY CONSTRUCTION DEFINED IN FIELD W/ T-POST

NOTES:

- 1) CONTRACTOR SHOULD CALL "ONE-CALL" FOR LOCATION OF ANY MARKED OR UNMARKED BURIED PIPELINES OR CABLES ON WELLPAD AND OR ACCESS ROAD AT LEAST TWO (2) WORKING DAYS PRIOR TO CONST.
- 2) UNITED FIELD SERVICES, INC IS NOT LIABLE FOR UNDERGROUND UTILITIES OR PIPELINES

SURVEYED: 5/17/07	REV. DATE:	APP. BY M.W.L.
DRAWN BY: H.S.	DATE DRAWN: 6/18/07	FILE NAME: 7692LO1

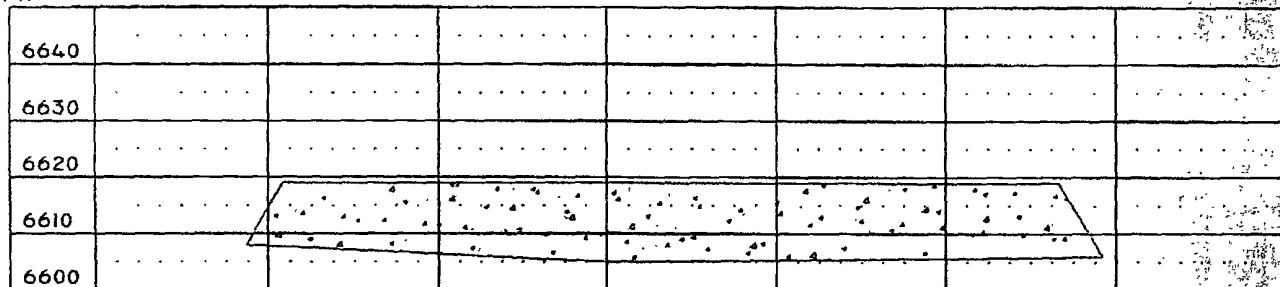


P.O. BOX 3831
FARMINGTON, NM 87498
OFFICE: (505)334-0408

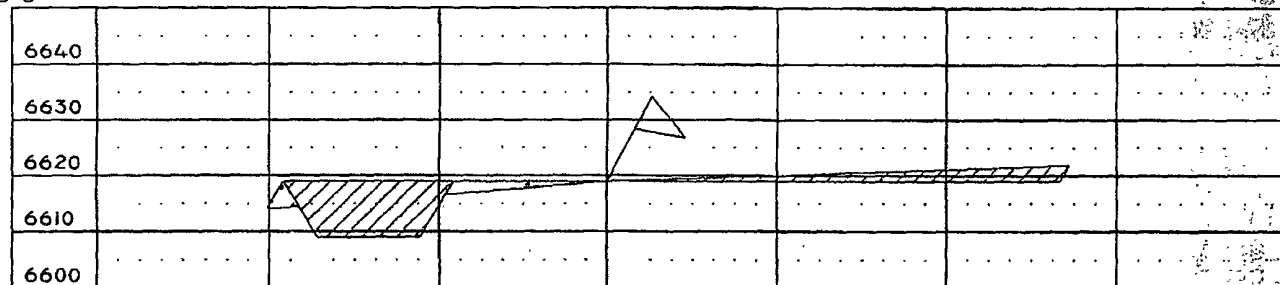
BURLINGTON RESOURCES OIL & GAS COMPANY LP.
 SAN JUAN 27-5 UNIT 905 - 1695' FNL & 1161' FWL (SURFACE)
 1635' FNL & 1665' FWL (BOTTOM)
 SECTION 8, T-27-N, R-5-W, N.M.P.M., RIO ARriba COUNTY, N.M.
 GROUND ELEVATION: 6619 - DATE: MAY 17, 2007

ELEVATION

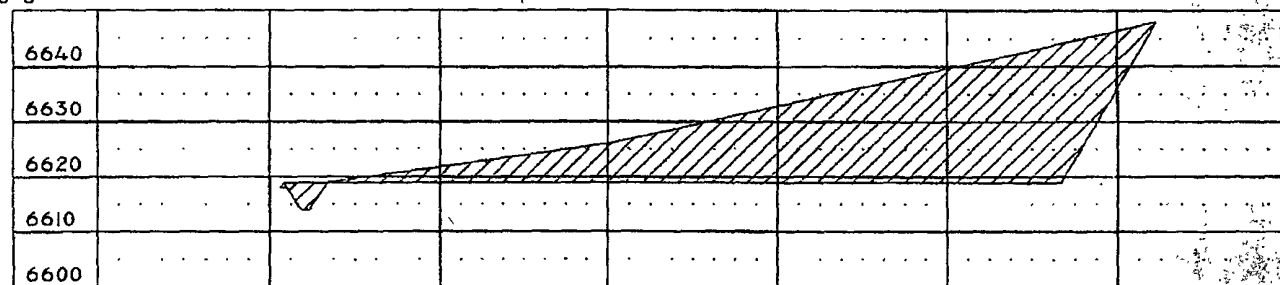
A-A'



B-B'



C-C'



1" = 60' - HORIZ.
 1" = 30' - VERT.

NOTES:

- 1.) CONTRACTOR SHOULD CALL "ONE-CALL" FOR LOCATION OF ANY MARKED OR UNMARKED BURIED PIPELINES OR CABLES ON WELLPAD AND OR ACCESS ROAD AT LEAST TWO (2) WORKING DAYS PRIOR TO CONST.
- 2.) UNITED FIELD SERVICES, INC. IS NOT LIABLE FOR UNDERGROUND UTILITIES OR PIPELINES.

SURVEYED: 5/17/07

REV. DATE:

APP. BY M.W.L.

DRAWN BY: H.S.

DATE DRAWN: 6/19/07

FILE NAME: 7693C01



P.O. BOX 3651
 FARMINGTON, NM 87499
 OFFICE: (505)334-0408