

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

707 JUN 11 PM 3:48

1a. Type of Work DRILL	5. Lease Number SF-078417-A	
1b. Type of Well GAS	Unit Reporting Number NMNM-78413A-DIV NMNM-7841C-DK	
2. Operator ConocoPhillips	6. If Indian, All. or Tribe	
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	7. Unit Agreement Name San Juan 28-7 Unit	
4. Location of Well Surf: Unit F (SENW), 1665' FNL & 1910' FWL, BH: Unit L (NWSW), 2500' FSL & 1000' FWL  Surf: Latitude 36° 38.9636 N Longitude 107° 33.7662 W BH: Latitude 36° 38.7824 N Longitude 107° 33.9519 W	8. Farm or Lease Name 9. Well Number #220G 10. Field, Pool, Wildcat Blanco MV/Basin DK 11. Sec., Twn, Rge, Mer. (NMPM) F Sec. 22, T28N, R7W API # 30-039- 30276	
14. Distance in Miles from Nearest Town 24 miles/Blanco	12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1000'	17. Acres Assigned to Well DK & MV - 320 - (W/2)	
16. Acres in Lease		
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 230' from San Juan 28-7 #220M		
19. Proposed Depth 7962' (TVD)/8253' (TMD)	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6805' GL	22. Approx. Date Work will Start RCVD JUL 23 '07 OIL CONS. DIV. DIST. 3	
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by: Rhonda Rogers (Regulatory Technician)	6-8-07 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 3

NOTIFY AZTEC OCD 24 HRS.  
PRIOR TO CASING & CEMENT

NMOC

7-24-07

District I  
1625 N French Dr., Hobbs, NM 88240

District II  
1301 W Grand Avenue, Artesia, NM 88210

District III  
1000 Rio Brazos Rd., Aztec, NM 87410

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

State of New Mexico  
Energy, Minerals & Natural Resources Department

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

Form C-102  
Revised October 12, 2005  
Instructions on back  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

207 JUN 11 PM 2007  
AMENDED REPORT  
RECEIVED  
PLH  
210 FARI... NM

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number <b>30-039-30276</b>		*Pool Code 72319 / 71599	*Pool Name BLANCO MESAVERDE / BASIN DAKOTA
*Property Code 31739	*Property Name SAN JUAN 28-7 UNIT		*Well Number 220G
*OGRID No 217817	*Operator Name CONOCOPHILLIPS COMPANY		*Elevation 6805

10 Surface Location

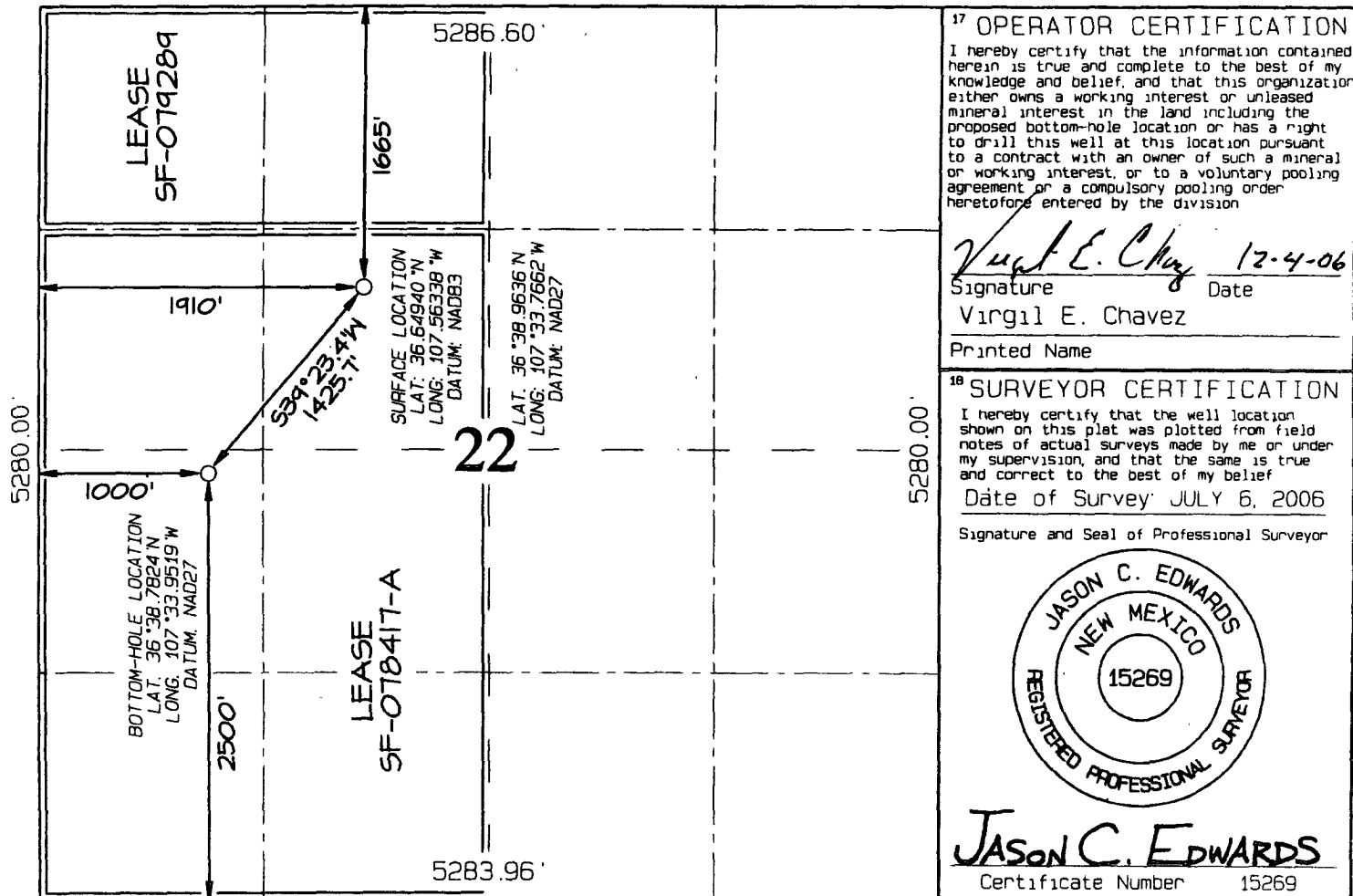
UL or lot no	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	22	28N	7W		1665	NORTH	1910	WEST	RIO ARriba

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
L	22	28N	7W		2500	SOUTH	1000	WEST	RIO ARriba

12 Dedicated Acres	320.0 Acres - W/2 (MV)	13 Joint or Infill	14 Consolidation Code	15 Order No
	320.0 Acres - W/2 (DK)			

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



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

Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

WELL API NO.

30-039-30276

5. Indicate Type of Lease

STATE ☐

FEE ☐

6. State Oil & Gas Lease No.

Federal Lease SF-078417-A

7. Lease Name or Unit Agreement Name

San Juan 28-7

8. Well Number

#220G

9. OGRID Number

217817

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

ConocoPhillips

3. Address of Operator

3401 E. 30TH STREET, FARMINGTON, NM 87402

4. Well Location

Unit Letter F

:

1665'

feet from the

North

line and

1910'

feet from the

West

line

Section 22

Township 28N

Rng 7W

NMPM

County

Rio Arriba

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

6805'

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:

NA

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

☒

OTHER:

☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK

☐

COMMENCE DRILLING OPNS.

☐

CASING/CEMENT JOB

☐

ALTERING CASING

☐

P AND A

☐

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:

ConocoPhillips proposes to construct a new drilling pit, an associated vent/flare pit and a pre-set mud pit (if required). Based on ConocoPhillips' interpretation of the Ecosphere's risk ranking criteria, the new drilling pit and pre-set mud pit will be unlined pits as detailed in ConocoPhillips' General Plan dated June 2005 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. ConocoPhillips anticipates closing these pits according to the November 1, 2004 Guidelines.

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

6-7-07

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,

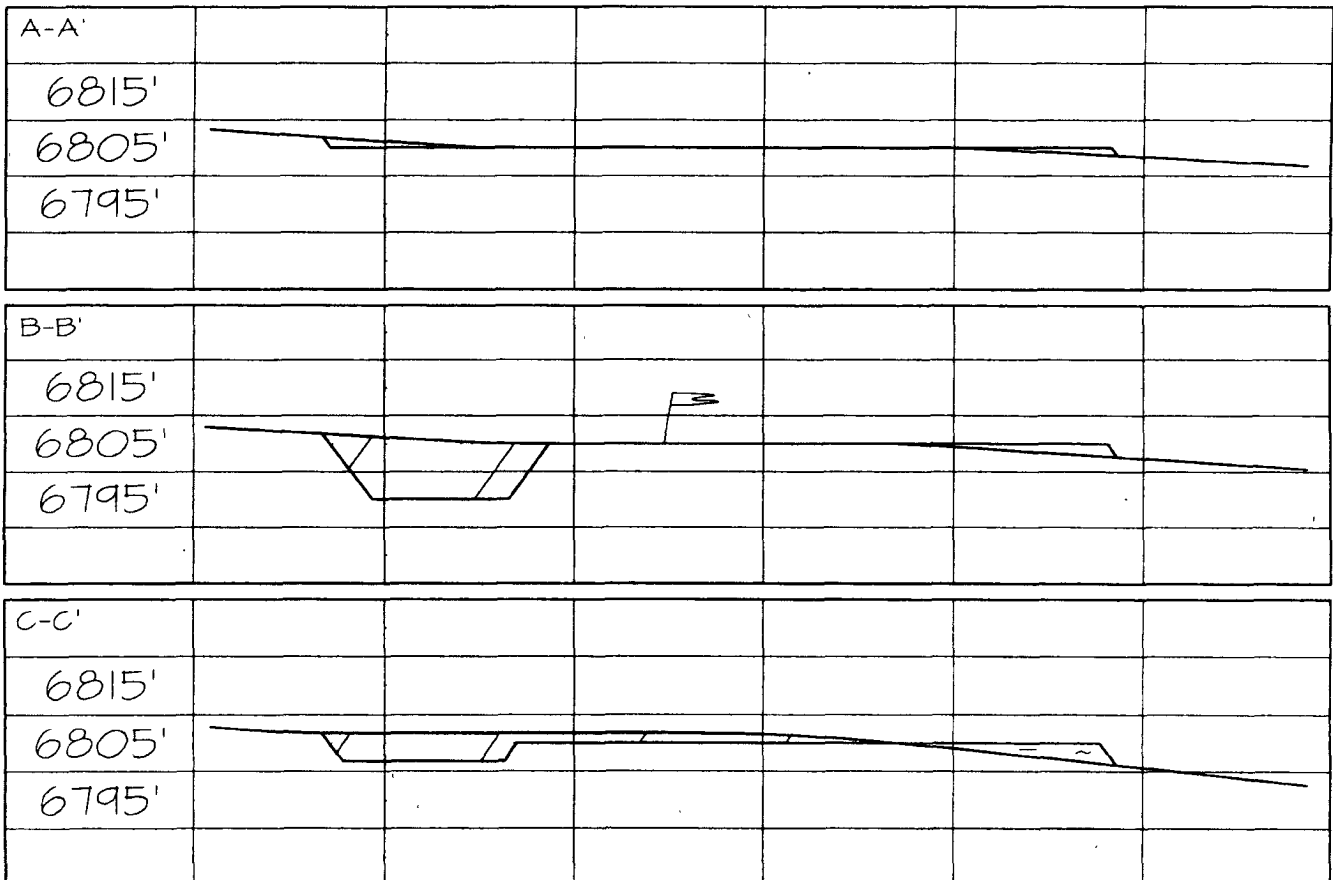
DATE

JUL 24 2007

Conditions of Approval (if any):

District #3

**LATITUDE: 36.64940° N**  
**LONGITUDE: 107.56338° W**  
DATUM NAD1983



# PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 28-7 UNIT 220G

DEVELOPMENT

Lease:		AFE #: WAN.CNV.7167				AFE \$:	
Field Name: 28-7		Rig: Aztec Rig 777		State: NM	County: RIO ARRIBA		API #:
Geologist:		Phone:		Geophysicist:		Phone:	
Geoscientist: Glaser, Terry J		Phone: (832)486-2332		Prod. Engineer: Fontenot, Jessie C		Phone: +1 832-486-3483	
Res. Engineer: Johnson, Tom B.		Phone: (832)-486-2347		Proj. Field Lead: Fransen, Eric E.		Phone:	
<b>Primary Objective (Zones):</b>							
Zone	Zone Name						
R20002	MESAVERDE(R20002)						
R20076	DAKOTA(R20076)						
<b>Location: Surface      Datum Code: NAD 27      Deviated</b>							
Latitude: 36.650551	Longitude: -107.563978	X:	Y:	Section: 22		Range: 007W	
Footage X: 1910 FWL	Footage Y: 1665 FNL	Elevation:	(FT)	Township: 028N			
Tolerance:							
<b>Location: Bottom Hole      Datum Code: NAD 27      Deviated</b>							
Latitude: 36.646218	Longitude: -107.565858	X:	Y:	Section: 22		Range: 007W	
Footage X: 1000 FWL	Footage Y: 2500 FSL	Elevation: 6805	(FT)	Township: 028N			
Tolerance:							
Location Type: Year Round		Start Date (Est.):		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 6819      Units = FT							
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks	
SURFACE CSG	300	6519	<input type="checkbox"/>			12-1/4" hole, 9-5/8" 32.3 ppf, H-40, STC casing. Cement w/ 282 cuft. Circulate Cmt to surface.	
NCMT	1319	5500	<input type="checkbox"/>				
OJAM	2647	4172	<input type="checkbox"/>			Possible water flows.	
KRLD	2743	4076	<input type="checkbox"/>				
FRLD	3054	3765	<input type="checkbox"/>			Possible gas.	
PCCF	3503	3316	<input type="checkbox"/>				
LEWS	3585	3234	<input type="checkbox"/>				
Intermediate Casing	4300	2519	<input type="checkbox"/>			8 3/4" hole. 7" 20 ppf J-55, STC casing. Circulate cement to surface. Cement with 1020 cu.ft.	
CHRA	4429	2390	<input type="checkbox"/>				
UCLFH	5021	1798	<input type="checkbox"/>				
MASSIVE CLIFF HOUSE	5107	1712	<input type="checkbox"/>			Gas; possibly wet	
MENF	5266	1553	<input type="checkbox"/>			Gas.	
PTLK	5662	1157	<input type="checkbox"/>			Gas.	
GLLP	6894	-75	<input type="checkbox"/>			Gas. Possibly wet.	
GRHN	7633	-814	<input type="checkbox"/>			Gas possible, highly fractured	
GRANEROS	7704	-885	<input type="checkbox"/>				
TWLS	7738	-919	<input type="checkbox"/>			Gas	
PAGU	7829	-1010	<input type="checkbox"/>			Gas. Highly Fractured.	
CBBO	7854	-1035	<input type="checkbox"/>			Gas	
CBRL	7879	-1060	<input type="checkbox"/>				
ENCINAL	7952	-1133	<input type="checkbox"/>				

# PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 28-7 UNIT 220G

DEVELOPMENT

Total Depth	7962	-1143	<input type="checkbox"/>	2500	6-1/4" Hole. 4-1/2", 10.5/11.6 ppf, J-55 STC/LTC casing. Cement with 500 cuft. Circulate cement a minimum of 100' inside the previous casing string.
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Reference Wells:		
Reference Type	Well Name	Comments
Production	28-7 #220M	NW 22-28N-7W

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 type="checkbox"/> TDT <input checked="" type="checkbox"/> Other
GR_CBL Mudlog from 100' above GRHN to TD - mudlogger will call TD.	

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

Comments: Location/Tops/Logging - Surface loc changed to accommodate a 4 well pad. Surf will be near the #220M (1,490 FNL 1,800 FWL) MVNM028N007W22SW2 DK 28N07W22SW2

Zones - This is part of a 4 well pad drill. Surface was moved to a location NEAR the existing #220M (1,490 FNL 1,800 FWL). Pad will need to be the right size/shape to accommodate a 4 well pad. Make sure there's enough room. BHL was also moved further north than the original (when surface was in the SW/4) MVNM028N007W22SW2 DK 28N07W22SW2

General/Work Description - Moved from 2007 to 2008 per Z. Stradling 4/4/07 - LM  
NO LEWIS  
80/80 Kd/Kmv Directional Well

# ConocoPhillips or its affiliates

## Survey Report

<b>Company:</b> ConocoPhillips Lower 48 <b>Project:</b> San Juan Basin <b>Site:</b> Monty's Site for directional MV/DK we <b>Well:</b> SJ 28-7 #220G <b>Wellbore:</b> SJ 28-7 #220G <b>Design:</b> SJ 28-7 #220G	<b>Local Co-ordinate Reference:</b> Well SJ 28-7 #220G <b>TVD Reference:</b> WELL @ 6820.0ft (Original Well Elev) <b>MD Reference:</b> WELL @ 6820.0ft (Original Well Elev) <b>North Reference:</b> True <b>Survey Calculation Method:</b> Minimum Curvature <b>Database:</b> EDM Central Planning	
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### 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)	Build Rate (d/100ft)	Turn Rate (d/100ft)
8,242.5	0.00	0.00	7,952.0	-1,115.0	-910.0	1,439.2	0.00	0.00	0.00
<b>Encinal</b>									
8,252.5	0.00	0.00	7,962.0	-1,115.0	-910.0	1,439.2	0.00	0.00	0.00
<b>TD - SJ 28-7 #220G - PCP</b>									

### Targets

Target Name - hit/miss target - Shape	Dip Angle (d)	Dip Dir. (d)	TVD (ft)	+N/-S ft	+E/-W ft	Northing (ft)	Easting (ft)	Latitude	Longitude
SJ 28-7 #220G - PC - plan hits target - Point	0.00	0.00	7,962.0	-1,115.0	-910.0	-1,102.06	-926.08	30° 59' 13.476" N 109° 25' 54.547" W	
SJ 28-7 #220G - ICF - plan hits target - Point	0.00	0.00	4,300.0	-1,115.0	-910.0	-1,102.06	-926.08	30° 59' 13.476" N 109° 25' 54.547" W	

### Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (d)	Dip Direction (d)
1,361.7	1,319.0	Nacimiento		0.00	
2,825.1	2,647.0	Ojo Alamo		0.00	
2,930.9	2,743.0	Kirtland		0.00	
3,273.6	3,054.0	Fruitland		0.00	
3,768.4	3,503.0	Pictured Cliffs		0.00	
3,857.7	3,585.0	Lewis		0.00	
4,719.5	4,429.0	Chacra		0.00	
5,311.5	5,021.0	Cliffhouse		0.00	
5,556.5	5,266.0	Menefee		0.00	
5,952.5	5,662.0	Pt. Lookout		0.00	
7,184.5	6,894.0	Gallup		0.00	
7,994.5	7,704.0	Graneros		0.00	
8,028.5	7,738.0	Two Wells		0.00	
8,119.5	7,829.0	Paguate		0.00	
8,144.5	7,854.0	Upper Cubero		0.00	
8,169.5	7,879.0	Lower Cubero		0.00	
8,242.5	7,952.0	Encinal		0.00	
8,252.5	7,962.0	TD		0.00	

Checked By: _____	Approved By: _____	Date: _____
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