

RCVD JUN 5 '12

OIL CONS. DIV.

DIST. 3

ConocoPhillips SJB

San Juan Basin - New Mexico West Wells

Other Named Wells

State Gas Com A 1P

30-045-35381
Wellbore #1

Plan: APD Plan

Standard Planning Report

22 May, 2012

ConocoPhillips or its affiliates
Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well State Gas Com A 1P
Company:	ConocoPhillips SJBU	TVD Reference:	WELL @ 5907.0ft (Original Well Elev)
Project:	San Juan Basin - New Mexico West Wells	MD Reference:	WELL @ 5907 0ft (Original Well Elev)
Site:	Other Named Wells	North Reference:	True
Well:	State Gas Com A 1P	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	APD Plan		

Project	San Juan Basin - New Mexico West Wells, New Mexico, Directional "S"		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Ground Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico West 3003		Using geodetic scale factor

Site		Other Named Wells			
Site Position:		Northing:	2,063,826.04 ft	Latitude:	36° 40' 18.848 N
From:	Lat/Long	Easting:	504,691.02 ft	Longitude:	107° 49' 2.415 W
Position Uncertainty:	15.0 ft	Slot Radius:	6-1/8"	Grid Convergence:	0.01 °

Well	State Gas Com A 1P					
Well Position	+N/-S	0.0 ft	Northing:	2,130,760.93 ft	Latitude:	36° 51' 11.418 N
	+E/-W	0.0 ft	Easting:	729,828.09 ft	Longitude:	107° 2' 52.104 W
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	5,892.0 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2011	5/22/2012	9.49	63.66	50,763

Design	APD Plan			
Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction
	(ft)	(ft)	(ft)	(°)
	0.0	0.0	0.0	108.81

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
320.0	0.00	0.00	320.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,160.4	25.21	108.81	1,133.5	-58.7	172.2	3.00	3.00	0.00	108.81	
3,049.3	25.21	108.81	2,842.5	-318.1	933.8	0.00	0.00	0.00	0.00	
3,889.6	0.00	0.00	3,656.0	-376.8	1,106.0	3.00	-3.00	0.00	180.00	
4,489.6	0.00	0.00	4,256.0	-376.8	1,106.0	0.00	0.00	0.00	0.00	State Gas Com A 1P
7,185.6	0.00	0.00	6,952.0	-376.8	1,106.0	0.00	0.00	0.00	0.00	State Gas Com A 1P

ConocoPhillips or its affiliates

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well State Gas Com A 1P
Company:	ConocoPhillips SJBU	TVD Reference:	WELL @ 5907.0ft (Original Well Elev)
Project:	San Juan Basin - New Mexico West Wells	MD Reference:	WELL @ 5907.0ft (Original Well Elev)
Site:	Other Named Wells	North Reference:	True
Well:	State Gas Com A 1P	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	APD Plan		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N-S (ft)	+E-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
15.0	0.00	0.00	15.0	0.0	0.0	0.0	0.00	0.00	0.00
Nacimiento									
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
SCP									
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
320.0	0.00	0.00	320.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	2.40	108.81	400.0	-0.5	1.6	1.7	3.00	3.00	0.00
500.0	5.40	108.81	499.7	-2.7	8.0	8.5	3.00	3.00	0.00
600.0	8.40	108.81	599.0	-6.6	19.4	20.5	3.00	3.00	0.00
700.0	11.40	108.81	697.5	-12.2	35.7	37.7	3.00	3.00	0.00
747.6	12.83	108.81	744.0	-15.4	45.1	47.7	3.00	3.00	0.00
Ojo Alamo									
800.0	14.40	108.81	795.0	-19.3	56.8	60.0	3.00	3.00	0.00
861.2	16.24	108.81	854.0	-24.6	72.1	76.2	3.00	3.00	0.00
Kirtland									
900.0	17.40	108.81	891.1	-28.2	82.7	87.4	3.00	3.00	0.00
1,000.0	20.40	108.81	985.7	-38.6	113.4	119.8	3.00	3.00	0.00
1,100.0	23.40	108.81	1,078.5	-50.7	148.7	157.1	3.00	3.00	0.00
1,160.4	25.21	108.81	1,133.5	-58.7	172.2	181.9	3.00	3.00	0.00
1,200.0	25.21	108.81	1,169.4	-64.1	188.2	198.8	0.00	0.00	0.00
1,300.0	25.21	108.81	1,259.8	-77.8	228.5	241.4	0.00	0.00	0.00
1,400.0	25.21	108.81	1,350.3	-91.6	268.8	284.0	0.00	0.00	0.00
1,500.0	25.21	108.81	1,440.8	-105.3	309.1	326.6	0.00	0.00	0.00
1,600.0	25.21	108.81	1,531.3	-119.1	349.5	369.2	0.00	0.00	0.00
1,700.0	25.21	108.81	1,621.7	-132.8	389.8	411.8	0.00	0.00	0.00
1,800.0	25.21	108.81	1,712.2	-146.5	430.1	454.4	0.00	0.00	0.00
1,825.2	25.21	108.81	1,735.0	-150.0	440.3	465.1	0.00	0.00	0.00
Fruitland Coal									
1,900.0	25.21	108.81	1,802.7	-160.3	470.4	497.0	0.00	0.00	0.00
2,000.0	25.21	108.81	1,893.2	-174.0	510.7	539.6	0.00	0.00	0.00
2,100.0	25.21	108.81	1,983.6	-187.7	551.1	582.2	0.00	0.00	0.00
2,200.0	25.21	108.81	2,074.1	-201.5	591.4	624.8	0.00	0.00	0.00
2,300.0	25.21	108.81	2,164.6	-215.2	631.7	667.3	0.00	0.00	0.00
2,400.0	25.21	108.81	2,255.1	-228.9	672.0	709.9	0.00	0.00	0.00
2,468.5	25.21	108.81	2,317.0	-238.4	699.6	739.1	0.00	0.00	0.00
Pictured Cliffs									
2,500.0	25.21	108.81	2,345.5	-242.7	712.3	752.5	0.00	0.00	0.00
2,600.0	25.21	108.81	2,436.0	-256.4	752.7	795.1	0.00	0.00	0.00
2,654.1	25.21	108.81	2,485.0	-263.9	774.5	818.2	0.00	0.00	0.00
Lewis									
2,700.0	25.21	108.81	2,526.5	-270.2	793.0	837.7	0.00	0.00	0.00
2,800.0	25.21	108.81	2,617.0	-283.9	833.3	880.3	0.00	0.00	0.00
2,900.0	25.21	108.81	2,707.4	-297.6	873.6	922.9	0.00	0.00	0.00
3,000.0	25.21	108.81	2,797.9	-311.4	913.9	965.5	0.00	0.00	0.00
3,049.3	25.21	108.81	2,842.5	-318.1	933.8	986.5	0.00	0.00	0.00
3,100.0	23.69	108.81	2,888.7	-324.9	953.7	1,007.5	3.00	-3.00	0.00
3,200.0	20.69	108.81	2,981.3	-337.1	989.4	1,045.3	3.00	-3.00	0.00
3,278.2	18.34	108.81	3,055.0	-345.5	1,014.2	1,071.4	3.00	-3.00	0.00
Huerfano Bentonite									
3,300.0	17.69	108.81	3,075.7	-347.7	1,020.5	1,078.1	3.00	-3.00	0.00
3,400.0	14.69	108.81	3,171.7	-356.7	1,046.9	1,106.0	3.00	-3.00	0.00

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Site:	Other Named Wells	North Reference:	True
Well:	State Gas Com A 1P	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	APD Plan		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
3,500.0	11.69	108.81	3,269.1	-364.0	1,068.5	1,128.8	3.00	-3.00	0.00
3,600.0	8.69	108.81	3,367.5	-369.7	1,085.3	1,146.5	3.00	-3.00	0.00
3,621.8	8.04	108.81	3,389.0	-370.8	1,088.2	1,149.7	3.00	-3.00	0.00
Chacra									
3,700.0	5.69	108.81	3,466.7	-373.8	1,097.1	1,159.0	3.00	-3.00	0.00
3,800.0	2.69	108.81	3,566.4	-376.1	1,104.0	1,166.3	3.00	-3.00	0.00
3,889.6	0.00	0.00	3,656.0	-376.8	1,106.0	1,168.4	3.00	-3.00	0.00
3,900.0	0.00	0.00	3,666.4	-376.8	1,106.0	1,168.4	0.00	0.00	0.00
4,000.0	0.00	0.00	3,766.4	-376.8	1,106.0	1,168.4	0.00	0.00	0.00
4,100.0	0.00	0.00	3,866.4	-376.8	1,106.0	1,168.4	0.00	0.00	0.00
4,200.0	0.00	0.00	3,966.4	-376.8	1,106.0	1,168.4	0.00	0.00	0.00
4,224.6	0.00	0.00	3,991.0	-376.8	1,106.0	1,168.4	0.00	0.00	0.00
Massive Cliff House									
4,300.0	0.00	0.00	4,066.4	-376.8	1,106.0	1,168.4	0.00	0.00	0.00
4,339.6	0.00	0.00	4,106.0	-376.8	1,106.0	1,168.4	0.00	0.00	0.00
Menefee									
4,400.0	0.00	0.00	4,166.4	-376.8	1,106.0	1,168.4	0.00	0.00	0.00
4,489.6	0.00	0.00	4,256.0	-376.8	1,106.0	1,168.4	0.00	0.00	0.00
ICP - State Gas Com A 1P ICP									
4,500.0	0.00	0.00	4,266.4	-376.8	1,106.0	1,168.4	0.00	0.00	0.00
4,600.0	0.00	0.00	4,366.4	-376.8	1,106.0	1,168.4	0.00	0.00	0.00
4,700.0	0.00	0.00	4,466.4	-376.8	1,106.0	1,168.4	0.00	0.00	0.00
4,800.0	0.00	0.00	4,566.4	-376.8	1,106.0	1,168.4	0.00	0.00	0.00
4,832.6	0.00	0.00	4,599.0	-376.8	1,106.0	1,168.4	0.00	0.00	0.00
Point Lookout									
4,900.0	0.00	0.00	4,666.4	-376.8	1,106.0	1,168.4	0.00	0.00	0.00
5,000.0	0.00	0.00	4,766.4	-376.8	1,106.0	1,168.4	0.00	0.00	0.00
5,100.0	0.00	0.00	4,866.4	-376.8	1,106.0	1,168.4	0.00	0.00	0.00
5,200.0	0.00	0.00	4,966.4	-376.8	1,106.0	1,168.4	0.00	0.00	0.00
5,221.6	0.00	0.00	4,988.0	-376.8	1,106.0	1,168.4	0.00	0.00	0.00
Mancos									
5,300.0	0.00	0.00	5,066.4	-376.8	1,106.0	1,168.4	0.00	0.00	0.00
5,400.0	0.00	0.00	5,166.4	-376.8	1,106.0	1,168.4	0.00	0.00	0.00
5,500.0	0.00	0.00	5,266.4	-376.8	1,106.0	1,168.4	0.00	0.00	0.00
5,600.0	0.00	0.00	5,366.4	-376.8	1,106.0	1,168.4	0.00	0.00	0.00
5,700.0	0.00	0.00	5,466.4	-376.8	1,106.0	1,168.4	0.00	0.00	0.00
5,800.0	0.00	0.00	5,566.4	-376.8	1,106.0	1,168.4	0.00	0.00	0.00
5,900.0	0.00	0.00	5,666.4	-376.8	1,106.0	1,168.4	0.00	0.00	0.00
6,000.0	0.00	0.00	5,766.4	-376.8	1,106.0	1,168.4	0.00	0.00	0.00
6,100.0	0.00	0.00	5,866.4	-376.8	1,106.0	1,168.4	0.00	0.00	0.00
6,132.6	0.00	0.00	5,899.0	-376.8	1,106.0	1,168.4	0.00	0.00	0.00
Upper Gallup									
6,200.0	0.00	0.00	5,966.4	-376.8	1,106.0	1,168.4	0.00	0.00	0.00
6,300.0	0.00	0.00	6,066.4	-376.8	1,106.0	1,168.4	0.00	0.00	0.00
6,400.0	0.00	0.00	6,166.4	-376.8	1,106.0	1,168.4	0.00	0.00	0.00
6,500.0	0.00	0.00	6,266.4	-376.8	1,106.0	1,168.4	0.00	0.00	0.00
6,600.0	0.00	0.00	6,366.4	-376.8	1,106.0	1,168.4	0.00	0.00	0.00
6,700.0	0.00	0.00	6,466.4	-376.8	1,106.0	1,168.4	0.00	0.00	0.00
6,800.0	0.00	0.00	6,566.4	-376.8	1,106.0	1,168.4	0.00	0.00	0.00
6,885.6	0.00	0.00	6,652.0	-376.8	1,106.0	1,168.4	0.00	0.00	0.00
Greenhorn									
6,900.0	0.00	0.00	6,666.4	-376.8	1,106.0	1,168.4	0.00	0.00	0.00

ConocoPhillips or its affiliates

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well State Gas Com A 1P
Company:	ConocoPhillips SJB	TVD Reference:	WELL @ 5907.0ft (Original Well Elev)
Project:	San Juan Basin - New Mexico West Wells	MD Reference:	WELL @ 5907.0ft (Original Well Elev)
Site:	Other Named Wells	North Reference:	True
Well:	State Gas Com A 1P	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	APD Plan		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
6,941.6	0.00	0.00	6,708.0	-376.8	1,106.0	1,168.4	0.00	0.00	0.00
Graneros									
7,000.0	0.00	0.00	6,766.4	-376.8	1,106.0	1,168.4	0.00	0.00	0.00
7,001.6	0.00	0.00	6,768.0	-376.8	1,106.0	1,168.4	0.00	0.00	0.00
Two Wells									
7,067.6	0.00	0.00	6,834.0	-376.8	1,106.0	1,168.4	0.00	0.00	0.00
Paguate									
7,095.6	0.00	0.00	6,862.0	-376.8	1,106.0	1,168.4	0.00	0.00	0.00
Lower Cubero									
7,100.0	0.00	0.00	6,866.4	-376.8	1,106.0	1,168.4	0.00	0.00	0.00
7,130.6	0.00	0.00	6,897.0	-376.8	1,106.0	1,168.4	0.00	0.00	0.00
Encinal									
7,185.6	0.00	0.00	6,952.0	-376.8	1,106.0	1,168.4	0.00	0.00	0.00
PCP - State Gas Com A 1P PCP									

Targets

Target Name

- hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
State Gas Com A 1P ICI - plan hits target center - Point	0.00	0.00	4,256.0	-376.8	1,106.0	2,130,393.24	730,937.13	36° 51' 7.692 N	107° 2' 38.497 W
State Gas Com A 1P PC - plan hits target center - Point	0.00	0.00	6,952.0	-376.8	1,106.0	2,130,393.24	730,937.17	36° 51' 7.692 N	107° 2' 38.496 W

Casing Points

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
7,185.6	6,952.0	PCP	4-1/2	6-1/4
4,489.6	4,256.0	ICP	7	8-3/4
200.0	200.0	SCP	9-5/8	12-1/4

ConocoPhillips or its affiliates

Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well State Gas Com A 1P
Company:	ConocoPhillips SJBU	TVD Reference:	WELL @ 5907.0ft (Original Well Elev)
Project:	San Juan Basin - New Mexico West Wells	MD Reference:	WELL @ 5907.0ft (Original Well Elev)
Site:	Other Named Wells	North Reference:	True
Well:	State Gas Com A 1P	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	APD Plan		

Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
2,654.1	2,485.0	Lewis		0.00	
6,132.6	5,899.0	Upper Gallup		0.00	
861.2	854.0	Kirtland		0.00	
4,339.6	4,106.0	Menefee		0.00	
3,278.2	3,055.0	Huerfano Bentonite		0.00	
7,067.6	6,834.0	Paguate		0.00	
1,825.2	1,735.0	Fruitland Coal		0.00	
747.6	744.0	Ojo Alamo		0.00	
7,001.6	6,768.0	Two Wells		0.00	
3,621.8	3,389.0	Chacra		0.00	
7,130.6	6,897.0	Encinal		0.00	
4,832.6	4,599.0	Point Lookout		0.00	
2,468.5	2,317.0	Pictured Cliffs		0.00	
6,941.6	6,708.0	Graneros		0.00	
7,095.6	6,862.0	Lower Cubero		0.00	
15.0	15.0	Nacimiento		0.00	
6,885.6	6,652.0	Greenhorn		0.00	
4,224.6	3,991.0	Massive Cliff House		0.00	
5,221.6	4,988.0	Mancos		0.00	

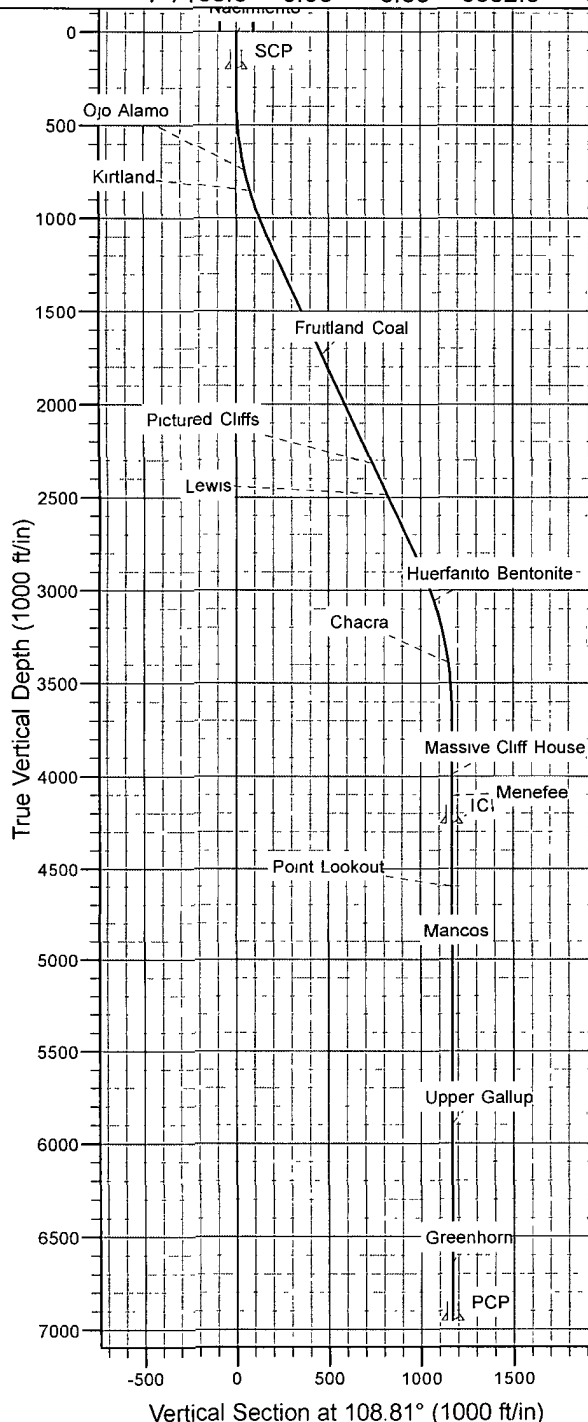
REFERENCE INFORMATION

WELL @ 5907.0ft (Original Well Elev)
Ground Elevation 5892.0
Reference Lat: 36° 51' 11.418 N
Reference Long: 107° 2' 52.104 W

Project: San Juan Basin - New Mexico West W
Site: Other Named Wells
Well: State Gas Com A 1P
Wellbore: Wellbore #1
Design: APD Plan

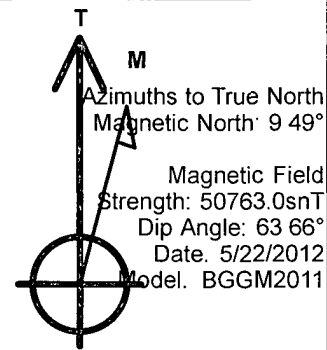
SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	320.0	0.00	0.00	320.0	0.0	0.0	0.00	0.00	0.0	
3	1160.4	25.21	108.81	1133.5	-58.7	172.2	3.00	108.81	181.9	
4	3049.3	25.21	108.81	2842.5	-318.1	933.8	0.00	0.00	986.5	
5	3889.6	0.00	0.00	3656.0	-376.8	1106.0	3.00	180.00	1168.4	
6	4489.6	0.00	0.00	4256.0	-376.8	1106.0	0.00	0.00	1168.4	State Gas Com A 1P ICP
7	7185.6	0.00	0.00	6952.0	-376.8	1106.0	0.00	0.00	1168.4	State Gas Com A 1P PCP



FORMATION TOP DETAILS

TVDPath	MDPath	Formation
15.0	15.0	Nacimiento
744.0	747.6	Ojo Alamo
854.0	861.2	Kirtland
1735.0	1825.2	Fruitland Coal
2317.0	2468.5	Pictured Cliffs
2485.0	2654.1	Lewis
3055.0	3278.2	Huerfano Bentonite
3389.0	3621.8	Chacra
3991.0	4224.6	Massive Cliff House
4106.0	4339.6	Menefee
4599.0	4832.6	Point Lookout
4988.0	5221.6	Mancos
5899.0	6132.6	Upper Gallup
6652.0	6885.6	Greenhorn
6708.0	6941.6	Graneros
6768.0	7001.6	Two Wells
6834.0	7067.6	Paguate
6862.0	7095.6	Lower Cubero
6897.0	7130.6	Encinal



FCVD JUN 5 '12
OIL CONS. DIV.
DIST. 3

