

DISTRICT I
1625 N. French Dr., Hobbs, N.M. 88240

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised July 16, 2010

DISTRICT II
1301 West Grand Avenue, Artesia, N.M. 88210

OIL CONSERVATION DIVISION

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

Submit One Copy to
Appropriate District Office

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

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-35400	² Pool Code 71599/72319	³ Pool Name BASIN DAKOTA/BLANCO MESAVERDE
⁴ Property Code 31694	⁵ Property Name STATE GAS COM A	⁶ Well Number 1E
⁷ GRID No. 217817	⁸ Operator Name CONOCOPHILLIPS COMPANY	⁹ Elevation 5880'

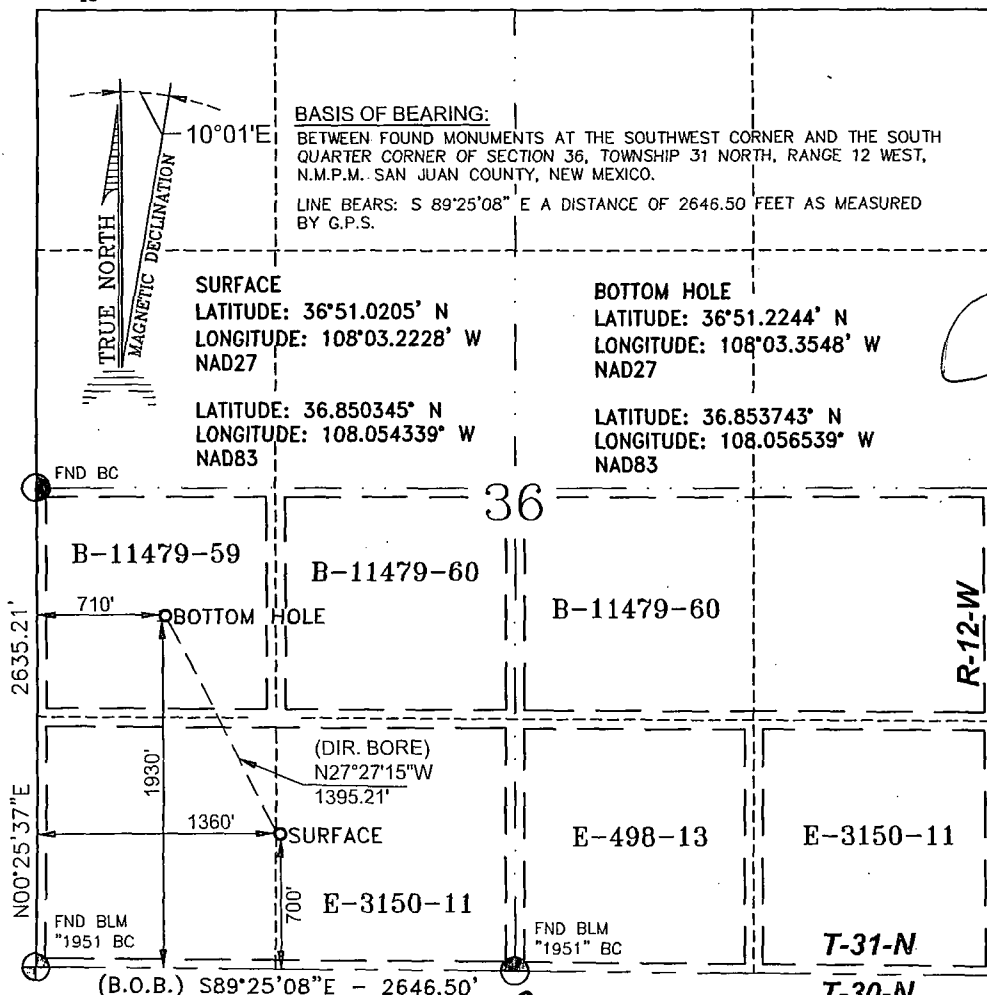
¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	36	31-N	12-W		700'	SOUTH	1360'	WEST	SAN JUAN

¹¹ Bottom Hole Location If Different From Surface

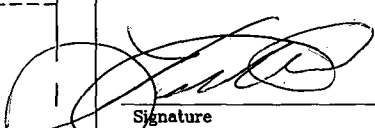
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	36	31-N	12-W		1930	SOUTH	710	WEST	SAN JUAN
¹² Dedicated Acres DK 320.00 ACRES S/2 MV 320.00 ACRES S/2			¹³ Joint or Infill		¹⁴ Consolidation Code		¹⁵ Order No. RCVD FEB 27 '13 OIL CONS. DIV.		

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



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 unleased 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 a working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.


Signature Date
Kenny Davis 2/25/2013
Printed Name

kenny.r.davis@conocophillips.c
E-mail Address

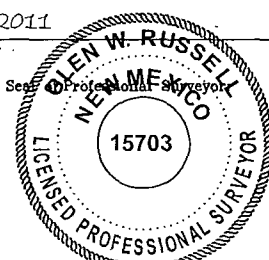
18 SURVEYOR CERTIFICATION

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 19, 2011

Date of Survey

Signature and Seal of Professional Surveyor



GLEN W. RUSSELL
Certificate Number

15703

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

STATE GAS COM A 1E

DEVELOPMENT

Lease:		AFE #: WAN.CDR.0037				AFE \$: 0.00	
Field Name: SAN JUAN		Rig: Aztec Rig 730		State: NM	County: SAN JUAN		API #:
Geologist:		Phone:		Geophysicist:		Phone:	
Geoscientist:		Phone:		Prod. Engineer:		Phone:	
Res. Engineer:		Phone:		Proj. Field Lead:		Phone:	
Primary Objective (Zones):							
Zone	Zone Name						
FRR	BASIN DAKOTA (PRORATED GAS)						
RON	BLANCO MESAVERDE (PRORATED GAS)						
Location: Surface Datum Code: NAD 27 Directional							
Latitude: 36.850342	Longitude: -108.053713	X:	Y:	Section: 36		Range: 012W	
Footage X: 1360 FWL	Footage Y: 700 FSL	Elevation: 5880	(FT)	Township: 031N			
Tolerance:							
Location: Bottom Hole Datum Code: NAD 27 Directional							
Latitude: 36.853740	Longitude: -108.055913	X:	Y:	Section: 36		Range: 012W	
Footage X: 710 FWL	Footage Y: 1930 FSL	Elevation:	(FT)	Township: 031N			
Tolerance:							
Location Type: Year Round		Start Date (Est.): 1/1/2014		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 5895 Units = FT							
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	MD (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	200	5695		☐			12-1/4 hole. 200' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 94 cuft. Circulate cement to surface.
OJO ALAMO	705	5190		☐			
KIRTLAND	814	5081		☐			
FRUITLAND	1686	4209		☐			Possible Gas
PICTURED CLIFFS	2289	3606		☐			
LEWIS	2466	3429		☐			
HUERFANITO BENTONITE	3022	2873		☐			
CHACRA	3365	2530		☐			
UPPER CLIFF HOUSE	3831	2064		☐			Gas; Cliffhouse is wet
MASSIVE CLIFF HOUSE	3976	1919		☐	568		Gas
MENEFEE	4066	1829		☐			Est. Top Perf - 4176 (1719)
Intermediate Casing	4216	1679		☐		119	8 3/4" Hole. 7", 23 ppf, J-55, LTC Casing. Cement with 938 cuft. Circulate cement to surface.
POINT LOOKOUT	4603	1292		☐			
MANCOS	4981	914		☐			
UPPER GALLUP	5878	17		☐			
GREENHORN	6621	-726		☐			
GRANEROS	6677	-782		☐			
TWO WELLS	6738	-843		☐	2297		Gas
PAGUATE	6796	-901		☐			
LOWER CUBERO	6839	-944		☐			
UPPER CUBERO	6839	-944		☐			

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

STATE GAS COM A 1E

DEVELOPMENT

ENCINAL	6874	-979	☐		TD - 50' below T/ENCN; Est. Btm Perf - 6909 (- 1014) based on offset wells
Total Depth	6924	-1029	☐	197	6-1/4" hole, 4-1/2" 11.6 ppf, L-80, LTC/BTC casing. Cement w/ 373 cuft. Circulate cement a minimum of 100' inside the previous casing string.

Reference Wells:

Reference Type	Well Name	Comments
Production	McPhee Gas Com 1	30N 12W 1 SE NW
Production	Rawson 1	31N 12W 35 NE NE
Production	Zachry Com 1	30N 12W 2 NW SE NE
Production	State Gas Unit A 1	31N 12W 36 SE SW
Production	Scott Gas Com 1E	30N 12W 1 SE NW NW

Logging Program:

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

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

Cased Hole GR / CBL

Mudlog from 100' above top of GLLP to TD - mudlogger will call TD. Run RST at TD.

Additional Information:

Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks
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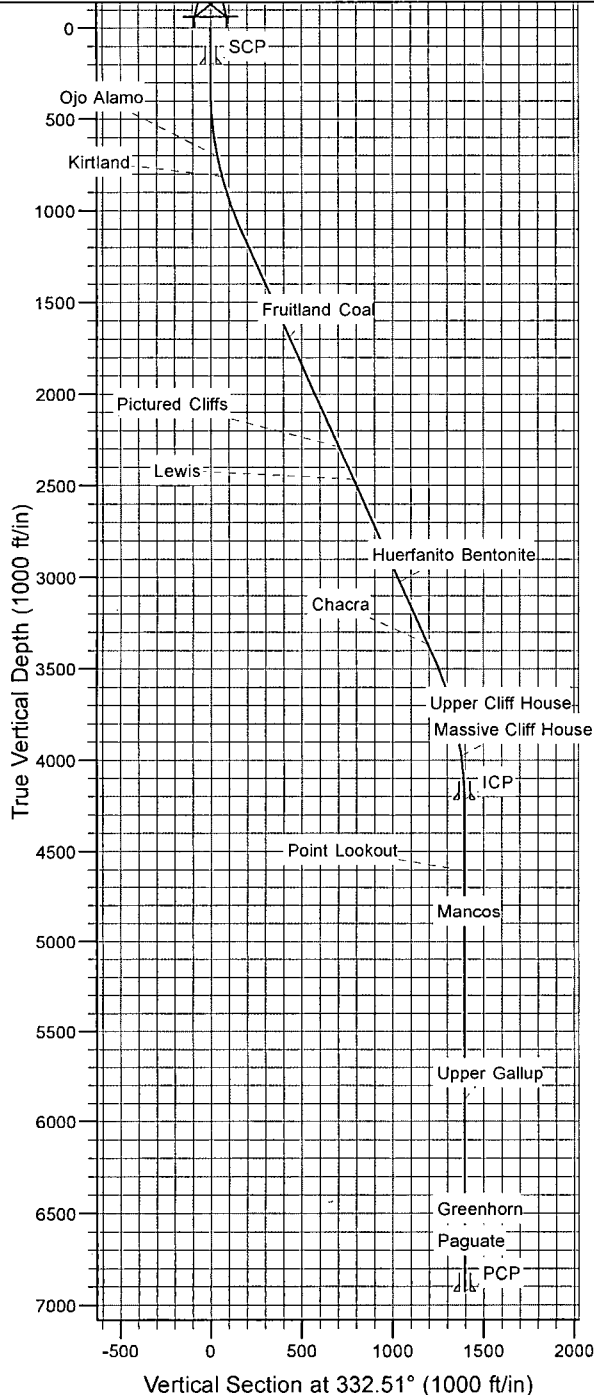
REFERENCE INFORMATION

WELL @ 5895.0ft (Original Well Elev)
Ground Elevation 5880.0
Reference Lat: 36° 51' 1.230 N
Reference Long: 108° 3' 13.368 W

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

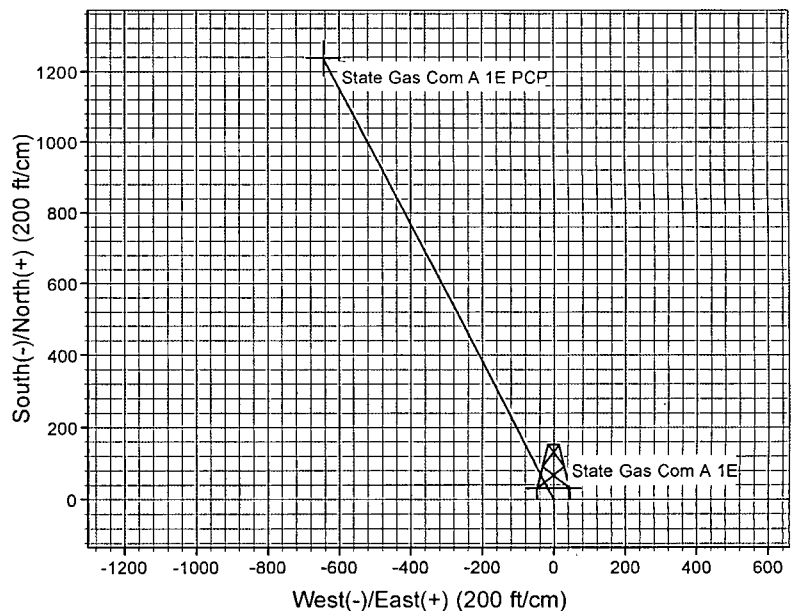
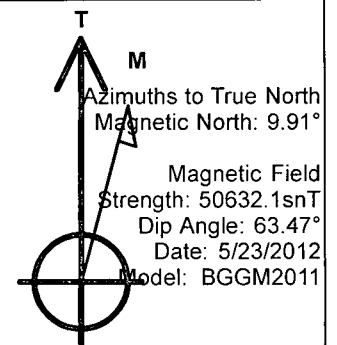
SECTION DETAILS

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	1134.7	24.44	332.51	1110.2	151.8	-79.0	3.00	332.51	171.2	
4	3678.2	24.44	332.51	3425.8	1085.5	-564.7	0.00	0.00	1223.6	
5	4492.9	0.00	0.00	4216.0	1237.3	-643.7	3.00	180.00	1394.7	State Gas Com A 1E ICP
6	7200.9	0.00	0.00	6924.0	1237.3	-643.7	0.00	0.00	1394.7	State Gas Com A 1E PCP



FORMATION TOP DETAILS

TVDPath	MDPath	Formation
705.0	707.7	Ojo Alamo
814.0	819.7	Kirtland
1686.0	1767.2	Fruitland Coal
2289.0	2429.5	Pictured Cliffs
2466.0	2623.9	Lewis
3022.0	3234.7	Huerfanito Bentonite
3365.0	3611.4	Chacra
3831.0	4105.3	Upper Cliff House
3976.0	4252.3	Massive Cliff House
4066.0	4342.8	Menefee
4603.0	4879.9	Point Lookout
4981.0	5257.9	Mancos
5878.0	6154.9	Upper Gallup
6621.0	6897.9	Greenhorn
6677.0	6953.9	Graneros
6738.0	7014.9	Two Wells
6796.0	7072.9	Paguate
6839.0	7115.9	Upper Cubero
6874.0	7150.9	Encinal



ConocoPhillips SJBU

San Juan Basin - New Mexico West Wells

Other Named Wells

State Gas Com A 1E

Wellbore #1

Plan: APD Plan

Standard Planning Report

23 May, 2012

RCVD FEB 28 '13

OIL CONS. DIV

DIST. 3

ConocoPhillips or its affiliates
Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well State Gas Com A 1E
Company:	ConocoPhillips SJB	TVD Reference:	WELL @ 5895.0ft (Original Well Elev)
Project:	San Juan Basin - New Mexico West Wells	MD Reference:	WELL @ 5895.0ft (Original Well Elev)
Site:	Other Named Wells	North Reference:	True
Well:	State Gas Com A 1E	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 1E					
Well Position	+N/-S	0.0 ft	Northing:	2,128,860.08 ft	Latitude:	36° 51' 1.230 N
	+E/-W	0.0 ft	Easting:	435,519.74 ft	Longitude:	108° 3' 13.368 W
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	5,880.0 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2011	5/23/2012	9.92	63.47	50,632

Design	APD Plan			
Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.0	0.0	0.0	332.51

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	
1,134.7	24.44	332.51	1,110.2	151.8	-79.0	3.00	3.00	0.00	332.51	
3,678.2	24.44	332.51	3,425.8	1,085.5	-564.7	0.00	0.00	0.00	0.00	
4,492.9	0.00	0.00	4,216.0	1,237.3	-643.7	3.00	-3.00	0.00	180.00	State Gas Com A 1E
7,200.9	0.00	0.00	6,924.0	1,237.3	-643.7	0.00	0.00	0.00	0.00	State Gas Com A 1E

ConocoPhillips or its affiliates
Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well State Gas Com A 1E
Company:	ConocoPhillips SJBU	TVD Reference:	WELL @ 5895.0ft (Original Well Elev)
Project:	San Juan Basin - New Mexico West Wells	MD Reference:	WELL @ 5895.0ft (Original Well Elev)
Site:	Other Named Wells	North Reference:	True
Well:	State Gas Com A 1E	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	
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	332.51	400.0	1.5	-0.8	1.7	3.00	3.00	0.00	
500.0	5.40	332.51	499.7	7.5	-3.9	8.5	3.00	3.00	0.00	
600.0	8.40	332.51	599.0	18.2	-9.5	20.5	3.00	3.00	0.00	
700.0	11.40	332.51	697.5	33.4	-17.4	37.7	3.00	3.00	0.00	
707.7	11.63	332.51	705.0	34.8	-18.1	39.2	3.00	3.00	0.00	
Ojo Alamo										
800.0	14.40	332.51	795.0	53.2	-27.7	60.0	3.00	3.00	0.00	
819.7	14.99	332.51	814.0	57.7	-30.0	65.0	3.00	3.00	0.00	
Kirtland										
900.0	17.40	332.51	891.1	77.5	-40.3	87.4	3.00	3.00	0.00	
1,000.0	20.40	332.51	985.7	106.3	-55.3	119.8	3.00	3.00	0.00	
1,100.0	23.40	332.51	1,078.5	139.3	-72.5	157.1	3.00	3.00	0.00	
1,134.7	24.44	332.51	1,110.2	151.8	-79.0	171.2	3.00	3.00	0.00	
1,200.0	24.44	332.51	1,169.7	175.8	-91.5	198.2	0.00	0.00	0.00	
1,300.0	24.44	332.51	1,260.7	212.5	-110.6	239.5	0.00	0.00	0.00	
1,400.0	24.44	332.51	1,351.7	249.2	-129.7	280.9	0.00	0.00	0.00	
1,500.0	24.44	332.51	1,442.8	285.9	-148.7	322.3	0.00	0.00	0.00	
1,600.0	24.44	332.51	1,533.8	322.6	-167.8	363.7	0.00	0.00	0.00	
1,700.0	24.44	332.51	1,624.9	359.3	-186.9	405.1	0.00	0.00	0.00	
1,767.2	24.44	332.51	1,686.0	384.0	-199.8	432.8	0.00	0.00	0.00	
Fruitland Coal										
1,800.0	24.44	332.51	1,715.9	396.0	-206.0	446.4	0.00	0.00	0.00	
1,900.0	24.44	332.51	1,806.9	432.7	-225.1	487.8	0.00	0.00	0.00	
2,000.0	24.44	332.51	1,898.0	469.5	-244.2	529.2	0.00	0.00	0.00	
2,100.0	24.44	332.51	1,989.0	506.2	-263.3	570.6	0.00	0.00	0.00	
2,200.0	24.44	332.51	2,080.0	542.9	-282.4	611.9	0.00	0.00	0.00	
2,300.0	24.44	332.51	2,171.1	579.6	-301.5	653.3	0.00	0.00	0.00	
2,400.0	24.44	332.51	2,262.1	616.3	-320.6	694.7	0.00	0.00	0.00	
2,429.5	24.44	332.51	2,289.0	627.1	-326.3	706.9	0.00	0.00	0.00	
Pictured Cliffs										
2,500.0	24.44	332.51	2,353.2	653.0	-339.7	736.1	0.00	0.00	0.00	
2,600.0	24.44	332.51	2,444.2	689.7	-358.8	777.4	0.00	0.00	0.00	
2,623.9	24.44	332.51	2,466.0	698.5	-363.4	787.4	0.00	0.00	0.00	
Lewis										
2,700.0	24.44	332.51	2,535.2	726.4	-377.9	818.8	0.00	0.00	0.00	
2,800.0	24.44	332.51	2,626.3	763.1	-397.0	860.2	0.00	0.00	0.00	
2,900.0	24.44	332.51	2,717.3	799.8	-416.1	901.6	0.00	0.00	0.00	
3,000.0	24.44	332.51	2,808.3	836.5	-435.2	943.0	0.00	0.00	0.00	
3,100.0	24.44	332.51	2,899.4	873.2	-454.3	984.3	0.00	0.00	0.00	
3,200.0	24.44	332.51	2,990.4	909.9	-473.4	1,025.7	0.00	0.00	0.00	
3,234.7	24.44	332.51	3,022.0	922.7	-480.0	1,040.1	0.00	0.00	0.00	
Huerfano Bentonite										
3,300.0	24.44	332.51	3,081.5	946.6	-492.5	1,067.1	0.00	0.00	0.00	
3,400.0	24.44	332.51	3,172.5	983.3	-511.6	1,108.5	0.00	0.00	0.00	
3,500.0	24.44	332.51	3,263.5	1,020.1	-530.7	1,149.8	0.00	0.00	0.00	
3,600.0	24.44	332.51	3,354.6	1,056.8	-549.8	1,191.2	0.00	0.00	0.00	
3,611.4	24.44	332.51	3,365.0	1,061.0	-552.0	1,196.0	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 1E
Company:	ConocoPhillips SJBU	TVD Reference:	WELL @ 5895.0ft (Original Well Elev)
Project:	San Juan Basin - New Mexico West Wells	MD Reference:	WELL @ 5895.0ft (Original Well Elev)
Site:	Other Named Wells	North Reference:	True
Well:	State Gas Com A 1E	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)	
Chacra										
3,678.2	24.44	332.51	3,425.8	1,085.5	-564.7	1,223.6	0.00	0.00	0.00	
3,700.0	23.79	332.51	3,445.7	1,093.4	-568.8	1,232.5	3.00	-3.00	0.00	
3,800.0	20.79	332.51	3,538.2	1,127.0	-586.3	1,270.4	3.00	-3.00	0.00	
3,900.0	17.79	332.51	3,632.6	1,156.3	-601.6	1,303.4	3.00	-3.00	0.00	
4,000.0	14.79	332.51	3,728.5	1,181.2	-614.5	1,331.5	3.00	-3.00	0.00	
4,100.0	11.79	332.51	3,825.9	1,201.6	-625.1	1,354.5	3.00	-3.00	0.00	
4,105.3	11.63	332.51	3,831.0	1,202.5	-625.6	1,355.5	3.00	-3.00	0.00	
Upper Cliff House										
4,200.0	8.79	332.51	3,924.2	1,217.4	-633.4	1,372.3	3.00	-3.00	0.00	
4,252.3	7.22	332.51	3,976.0	1,223.9	-636.7	1,379.6	3.00	-3.00	0.00	
Massive Cliff House										
4,300.0	5.79	332.51	4,023.4	1,228.7	-639.2	1,385.0	3.00	-3.00	0.00	
4,342.8	4.50	332.51	4,066.0	1,232.1	-641.0	1,388.8	3.00	-3.00	0.00	
Menefee										
4,400.0	2.79	332.51	4,123.1	1,235.3	-642.7	1,392.5	3.00	-3.00	0.00	
4,492.9	0.00	0.00	4,216.0	1,237.3	-643.7	1,394.7	3.00	-3.00	0.00	
ICP - State Gas Com A 1E ICP										
4,500.0	0.00	0.00	4,223.1	1,237.3	-643.7	1,394.7	0.00	0.00	0.00	
4,600.0	0.00	0.00	4,323.1	1,237.3	-643.7	1,394.7	0.00	0.00	0.00	
4,700.0	0.00	0.00	4,423.1	1,237.3	-643.7	1,394.7	0.00	0.00	0.00	
4,800.0	0.00	0.00	4,523.1	1,237.3	-643.7	1,394.7	0.00	0.00	0.00	
4,879.9	0.00	0.00	4,603.0	1,237.3	-643.7	1,394.7	0.00	0.00	0.00	
Point Lookout										
4,900.0	0.00	0.00	4,623.1	1,237.3	-643.7	1,394.7	0.00	0.00	0.00	
5,000.0	0.00	0.00	4,723.1	1,237.3	-643.7	1,394.7	0.00	0.00	0.00	
5,100.0	0.00	0.00	4,823.1	1,237.3	-643.7	1,394.7	0.00	0.00	0.00	
5,200.0	0.00	0.00	4,923.1	1,237.3	-643.7	1,394.7	0.00	0.00	0.00	
5,257.9	0.00	0.00	4,981.0	1,237.3	-643.7	1,394.7	0.00	0.00	0.00	
Mancos										
5,300.0	0.00	0.00	5,023.1	1,237.3	-643.7	1,394.7	0.00	0.00	0.00	
5,400.0	0.00	0.00	5,123.1	1,237.3	-643.7	1,394.7	0.00	0.00	0.00	
5,500.0	0.00	0.00	5,223.1	1,237.3	-643.7	1,394.7	0.00	0.00	0.00	
5,600.0	0.00	0.00	5,323.1	1,237.3	-643.7	1,394.7	0.00	0.00	0.00	
5,700.0	0.00	0.00	5,423.1	1,237.3	-643.7	1,394.7	0.00	0.00	0.00	
5,800.0	0.00	0.00	5,523.1	1,237.3	-643.7	1,394.7	0.00	0.00	0.00	
5,900.0	0.00	0.00	5,623.1	1,237.3	-643.7	1,394.7	0.00	0.00	0.00	
6,000.0	0.00	0.00	5,723.1	1,237.3	-643.7	1,394.7	0.00	0.00	0.00	
6,100.0	0.00	0.00	5,823.1	1,237.3	-643.7	1,394.7	0.00	0.00	0.00	
6,154.9	0.00	0.00	5,878.0	1,237.3	-643.7	1,394.7	0.00	0.00	0.00	
Upper Gallup										
6,200.0	0.00	0.00	5,923.1	1,237.3	-643.7	1,394.7	0.00	0.00	0.00	
6,300.0	0.00	0.00	6,023.1	1,237.3	-643.7	1,394.7	0.00	0.00	0.00	
6,400.0	0.00	0.00	6,123.1	1,237.3	-643.7	1,394.7	0.00	0.00	0.00	
6,500.0	0.00	0.00	6,223.1	1,237.3	-643.7	1,394.7	0.00	0.00	0.00	
6,600.0	0.00	0.00	6,323.1	1,237.3	-643.7	1,394.7	0.00	0.00	0.00	
6,700.0	0.00	0.00	6,423.1	1,237.3	-643.7	1,394.7	0.00	0.00	0.00	
6,800.0	0.00	0.00	6,523.1	1,237.3	-643.7	1,394.7	0.00	0.00	0.00	
6,897.9	0.00	0.00	6,621.0	1,237.3	-643.7	1,394.7	0.00	0.00	0.00	
Greenhorn										
6,900.0	0.00	0.00	6,623.1	1,237.3	-643.7	1,394.7	0.00	0.00	0.00	
6,953.9	0.00	0.00	6,677.0	1,237.3	-643.7	1,394.7	0.00	0.00	0.00	

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Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well State Gas Com A 1E
Company:	ConocoPhillips SJB	TVD Reference:	WELL @ 5895.0ft (Original Well Elev)
Project:	San Juan Basin - New Mexico West Wells	MD Reference:	WELL @ 5895.0ft (Original Well Elev)
Site:	Other Named Wells	North Reference:	True
Well:	State Gas Com A 1E	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)	
Graneros										
7,000.0	0.00	0.00	6,723.1	1,237.3	-643.7	1,394.7	0.00	0.00	0.00	
7,014.9	0.00	0.00	6,738.0	1,237.3	-643.7	1,394.7	0.00	0.00	0.00	
Two Wells										
7,072.9	0.00	0.00	6,796.0	1,237.3	-643.7	1,394.7	0.00	0.00	0.00	
Paguate										
7,100.0	0.00	0.00	6,823.1	1,237.3	-643.7	1,394.7	0.00	0.00	0.00	
7,115.9	0.00	0.00	6,839.0	1,237.3	-643.7	1,394.7	0.00	0.00	0.00	
Upper Cubero										
7,150.9	0.00	0.00	6,874.0	1,237.3	-643.7	1,394.7	0.00	0.00	0.00	
Encinal										
7,200.0	0.00	0.00	6,923.1	1,237.3	-643.7	1,394.7	0.00	0.00	0.00	
7,200.9	0.00	0.00	6,924.0	1,237.3	-643.7	1,394.7	0.00	0.00	0.00	
PCP - State Gas Com A 1E PCP										

Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
- hit/miss target									
- Shape									
State Gas Com A 1E PC	0.00	0.00	6,924.0	1,237.3	-643.7	2,130,098.74	434,878.93	36° 51' 13.464 N	108° 3' 21.288 W
- plan hits target center									
- Point									
State Gas Com A 1E ICI	0.00	0.00	4,216.0	1,237.3	-643.7	2,130,098.77	434,878.94	36° 51' 13.464 N	108° 3' 21.288 W
- plan hits target center									
- Point									

Casing Points						
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")		
200.0	200.0	SCP	9-5/8	12-1/32		
4,492.9	4,216.0	ICP	7	8-3/4		
7,200.9	6,924.0	PCP	4-1/2	6-1/4		

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Planning Report

Database:	EDM Central Planning	Local Co-ordinate Reference:	Well State Gas Com A 1E
Company:	ConocoPhillips SJB	TVD Reference:	WELL @ 5895.0ft (Original Well Elev)
Project:	San Juan Basin - New Mexico West Wells	MD Reference:	WELL @ 5895.0ft (Original Well Elev)
Site:	Other Named Wells	North Reference:	True
Well:	State Gas Com A 1E	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	APD Plan		

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
2,623.9	2,466.0	Lewis		0.00		
4,879.9	4,603.0	Point Lookout		0.00		
6,897.9	6,621.0	Greenhorn		0.00		
7,014.9	6,738.0	Two Wells		0.00		
7,150.9	6,874.0	Encinal		0.00		
3,234.7	3,022.0	Huerfano Bentonite		0.00		
6,953.9	6,677.0	Graneros		0.00		
4,252.3	3,976.0	Massive Cliff House		0.00		
2,429.5	2,289.0	Pictured Cliffs		0.00		
707.7	705.0	Ojo Alamo		0.00		
3,611.4	3,365.0	Chacra		0.00		
5,257.9	4,981.0	Mancos		0.00		
6,154.9	5,878.0	Upper Gallup		0.00		
7,072.9	6,796.0	Paguate		0.00		
819.7	814.0	Kirtland		0.00		
1,767.2	1,686.0	Fruitland Coal		0.00		
7,115.9	6,839.0	Upper Cubero		0.00		
4,105.3	3,831.0	Upper Cliff House		0.00		
4,342.8	4,066.0	Menefee		0.00		