

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

DISTRICT II
1301 West 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, 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 July 16, 2010

Submit one copy to Appropriate
District Office

'AS DRILLED PLAT'

☒ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-35089	² Pool Code 71629 / 72439	³ Pool Name BASIN FRUITLAND COAL / BLANCO PICTURED CLIFF
⁴ Property Code 31530	⁵ Property Name FC STATE COM	⁶ Well Number 34S
⁷ OGRID No. 217817	⁸ Operator Name CONOCOPHILLIPS COMPANY	⁹ Elevation 6257'

¹⁰ Surface Location

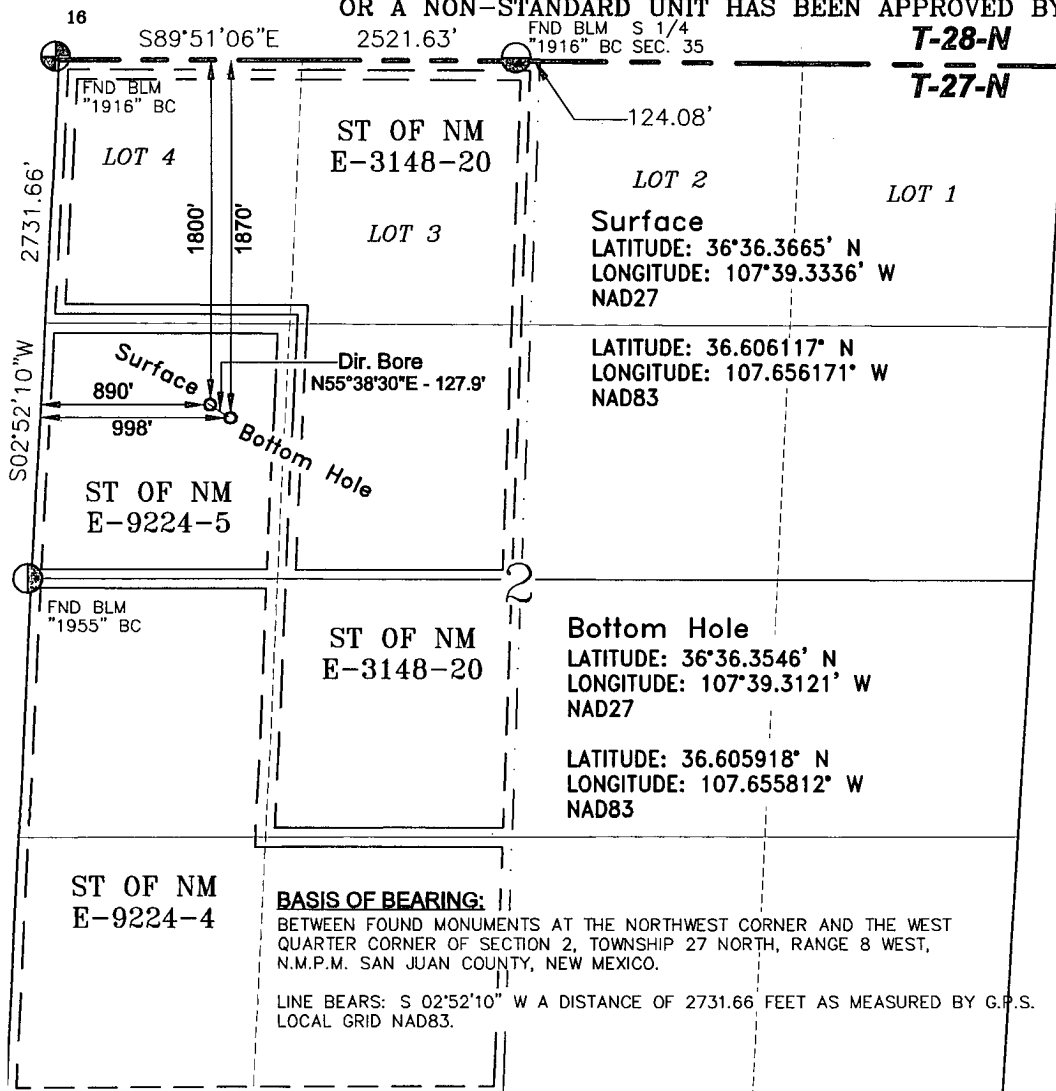
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	2	27-N	8-W		1800	NORTH	890	WEST	SAN JUAN

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
E	2	27-N	8-W		1870'	NORTH	998'	WEST	SAN JUAN

¹² Dedicated Acres FC 321.36 ACRES W/2 PC 161.36 ACRES NW/4	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ 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



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 Marie E. Jaramillo Date 2/21/11
Printed Name
Marie.e.jaramillo@conocophillip
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.

February 22, 2011

Date of Survey

Signature and Seal



GLEN W. RUSSELL

Certificate Number

15703

8

ConocoPhillips

SJB (NM West)

SEC 02-T27N-R8W

FC State Com #34S

API# 30-045-35089

Original Hole

RCVD FEB 23 '11

Survey: Actual

OIL CONS. DIV.

DIST. 3

Standard Survey Report

28 October, 2010

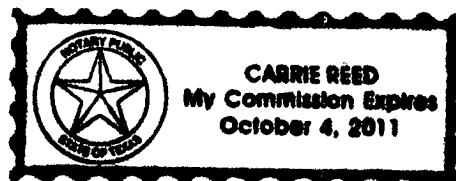
This survey is correct to the best of my knowledge and is supported by actual field data.

Stewart

Notorized this date 29th of October, 2010.

Carrie Reed

Notary Signature
County of Midland
State of Texas

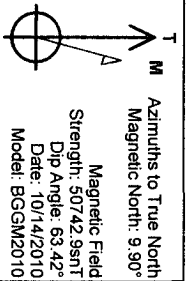




Scientific Drilling
Directional Drilling Operations

Project: SJB (NM West)
Site: SEC 02-T27N-R8W
Well: FC State Com #34S
Wellbore: Original Hole
Design: Plan #2

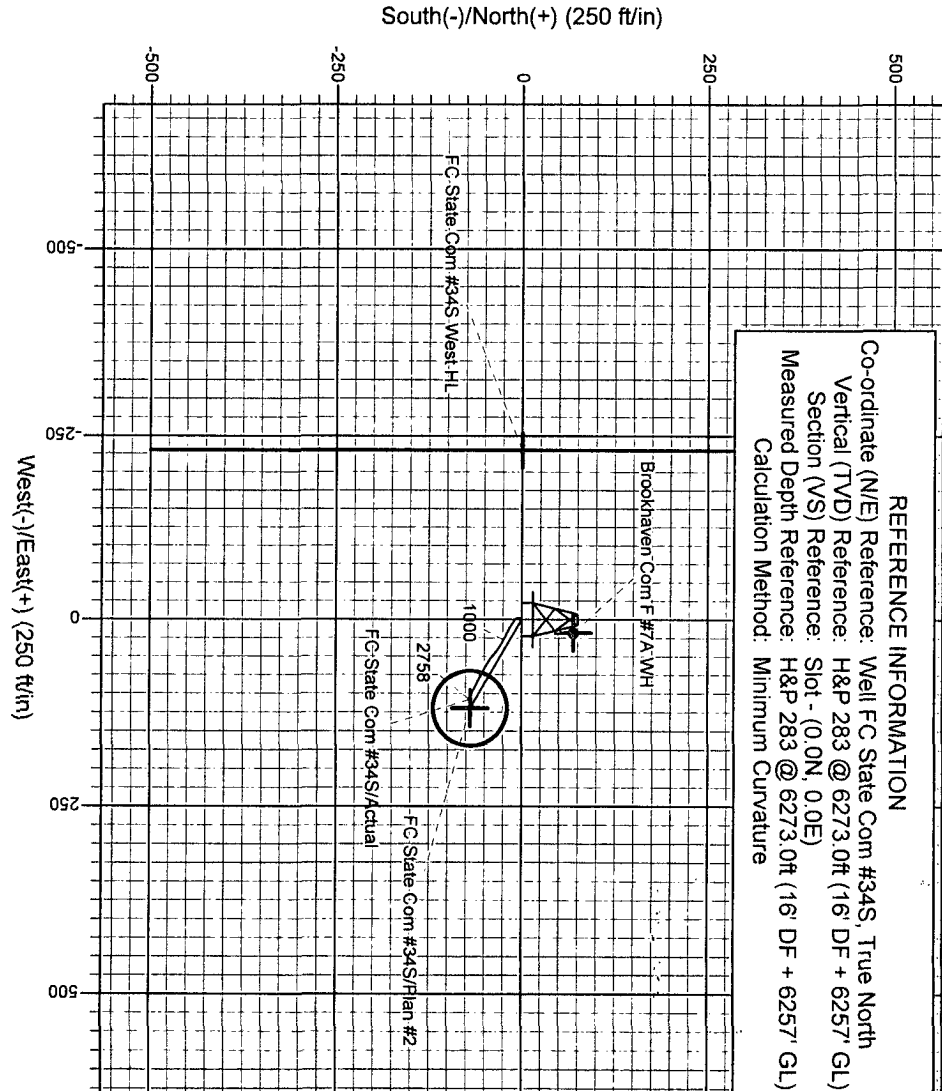
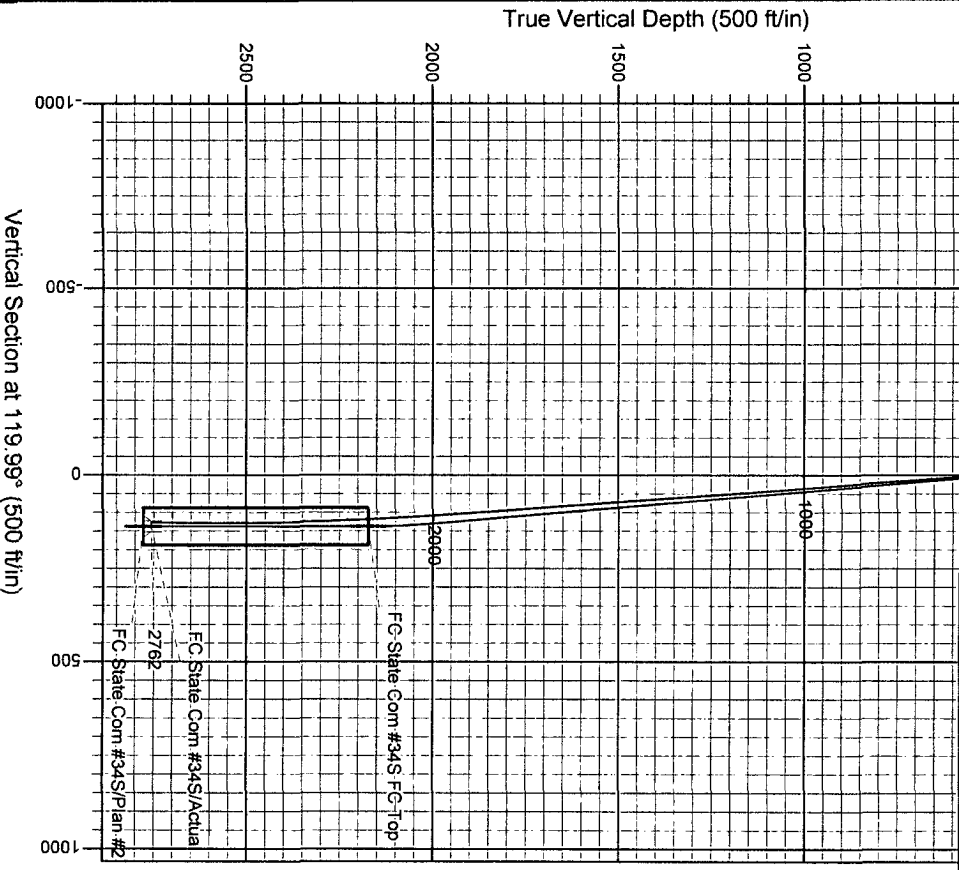
ConocoPhillips



+N/-S 0.0
+E/-W 0.0
Northing 2039922.42

WELL DETAILS: FC State Com #34S
H&P 283 @ 6273.0ft (16' DF + 6257' GL)
Ground Level: 6257.0
Easting 552179.08
Latitude 36° 36' 21.990 N
Longitude 107° 39' 20.016 W

Slot



COMPANY DETAILS: ConocoPhillips
Calculation Method: Minimum Curvature
Error System: ISCWSA
Scan Method: Closest Approach 3D
Error Surface: Combined Covariances
Warning Method: Risk Ratio

PROJECT DETAILS: SJB (NM West)
Geodetic System: US State Plane 1927 (Exact solution)
Datum: NAD 1927 (NADCON CONUS)
Ellipsoid: Clarke 1866
Zone: New Mexico West 3003
System Datum: Mean Sea Level

SITE DETAILS: SEC 02-T27N-R8W
San Juan County NM
Site Centre Latitude: 36° 36' 21.990 N
Longitude: 107° 39' 20.016 W
Positional Uncertainty: 7.5
Convergence: 0.11
Local North: True

Scientific Drilling International, Inc.

Survey Report

Company:	ConocoPhillips	Local Co-ordinate Reference:	Well FC State Com #34S
Project:	SJB (NM West)	TVD Reference:	H&P 283 @ 6273.0ft (16' DF + 6257' GL)
Site:	SEC 02-T27N-R8W	MD Reference:	H&P 283 @ 6273.0ft (16' DF + 6257' GL)
Well:	FC State Com #34S	North Reference:	True
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	edmCOP

Project	SJB (NM West), New Mexico, S-Type MV/DK Wells		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		Using Well Reference Point
Map Zone:	New Mexico West 3003		Using geodetic scale factor

Site	SEC 02-T27N-R8W		
Site Position:		Northing:	2,039,922.42 ft
From:	Lat/Long	Easting:	552,179.08 ft
Position Uncertainty:	15.0 ft	Slot Radius:	4-3/8"
		Latitude:	36° 36' 21.990 N
		Longitude:	107° 39' 20.016 W
		Grid Convergence:	0.11 °

Well	FC State Com #34S, Vertical FC Well		
Well Position	+N/-S	0.0 ft	Northing: 2,039,922.42 ft
	+E/-W	0.0 ft	Easting: 552,179.08 ft
Position Uncertainty	0.0 ft	Wellhead Elevation:	ft
		Latitude:	36° 36' 21.990 N
		Longitude:	107° 39' 20.016 W
		Ground Level:	6,257.0 ft

Wellbore	Original Hole				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2010	10/14/2010	9.90	63.42	50,743

Design	Original Hole			
Audit Notes:				
Version:	1.0	Phase:	ACTUAL	Tie On Depth: 0.0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction
	(ft)	(ft)	(ft)	(°)
	0.0	0.0	0.0	123.01

Survey Program	Date	10/28/2010		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
364.0	2,762.0	Actual (Original Hole)	MWD SDI	MWD - Standard ver 1.0.1

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
364.0	1.24	214.75	364.0	-3.2	-2.2	-0.1	0.34	0.34	0.00
426.0	1.45	175.90	426.0	-4.6	-2.6	0.3	1.48	0.34	-62.66
487.0	1.80	160.36	486.9	-6.2	-2.2	1.6	0.92	0.57	-25.48
548.0	2.78	134.48	547.9	-8.2	-0.8	3.8	2.30	1.61	-42.43
624.0	3.96	122.95	623.8	-10.9	2.7	8.2	1.78	1.55	-15.17
714.0	3.99	126.21	713.5	-14.4	7.8	14.4	0.25	0.03	3.62
804.0	4.44	113.80	803.3	-17.7	13.5	21.0	1.13	0.50	-13.79
894.0	4.62	115.79	893.0	-20.7	20.0	28.0	0.27	0.20	2.21
984.0	4.39	116.12	982.7	-23.8	26.4	35.1	0.26	-0.26	0.37
1,074.0	4.37	121.72	1,072.5	-27.1	32.4	41.9	0.48	-0.02	6.22
1,164.0	4.32	122.33	1,162.2	-30.7	38.1	48.7	0.08	-0.06	0.68
1,254.0	4.12	125.04	1,252.0	-34.4	43.7	55.3	0.31	-0.22	3.01

Scientific Drilling International, Inc.

Survey Report

Company:	ConocoPhillips	Local Co-ordinate Reference:	Well FC State Com #34S
Project:	SJB (NM West)	TVD Reference:	H&P 283 @ 6273.0ft (16' DF + 6257' GL)
Site:	SEC 02-T27N-R8W	MD Reference:	H&P 283 @ 6273.0ft (16' DF + 6257' GL)
Well:	FC State Com #34S	North Reference:	True
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	edmCOP

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)	
1,343.0	4.06	129.66	1,340.7	-38.2	48.7	61.7	0.38	-0.07	5.19	
1,433.0	3.98	131.15	1,430.5	-42.3	53.5	67.9	0.15	-0.09	1.66	
1,523.0	4.25	116.07	1,520.3	-45.8	58.9	74.3	1.24	0.30	-16.76	
1,613.0	4.12	120.23	1,610.1	-48.9	64.6	80.9	0.37	-0.14	4.62	
1,703.0	4.25	120.79	1,699.8	-52.3	70.3	87.4	0.15	0.14	0.62	
1,793.0	4.38	117.17	1,789.6	-55.5	76.2	94.2	0.34	0.14	-4.02	
1,883.0	3.91	112.75	1,879.3	-58.3	82.1	100.6	0.63	-0.52	-4.91	
1,974.0	3.74	116.26	1,970.1	-60.8	87.6	106.6	0.32	-0.19	3.86	
2,064.0	3.39	117.95	2,059.9	-63.4	92.6	112.2	0.41	-0.39	1.88	
2,154.0	3.20	120.30	2,149.8	-65.9	97.1	117.3	0.26	-0.21	2.61	
2,244.0	3.02	114.31	2,239.7	-68.1	101.5	122.2	0.41	-0.20	-6.66	
2,334.0	1.31	124.80	2,329.6	-69.7	104.5	125.6	1.94	-1.90	11.66	
2,424.0	0.95	127.23	2,419.6	-70.7	105.9	127.3	0.40	-0.40	2.70	
2,514.0	0.54	135.28	2,509.6	-71.5	106.8	128.5	0.47	-0.46	8.94	
2,604.0	0.58	14.48	2,599.6	-71.3	107.2	128.8	1.08	0.04	-134.22	
2,694.0	0.58	15.18	2,689.6	-70.4	107.4	128.5	0.01	0.00	0.78	
2,762.0	0.39	11.64	2,757.6	-69.9	107.6	128.3	0.28	-0.28	-5.21	