

RECEIVED

submitted in lieu of Form 3160-5

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

DEC 27 2011

Farmington Field Office
Bureau of Land Management

Sundry Notices and Reports on Wells

1. Type of Well
GAS

5. Lease Number
SF-079289-A

6. If Indian, All. or
Tribe Name

2. Name of Operator

7. Unit Agreement Name
SAN JUAN 28-7 UNIT

ConocoPhillips

3. Address & Phone No. of Operator

8. Well Name & Number
SAN JUAN 28-7 UNIT 430H

PO Box 4289, Farmington, NM 87499 (505) 326-9700

9. API Well No.

30-039-31082

4. Location of Well, Footage, Sec., T, R, M

Surface :Unit M (SW/SW), 738' FSL & 881' FWL, Section 12, T28N, R7W, NMPM

10. Field and Pool
BASIN FRUITLAND COAL

Bottom :Unit L (NW/SW), 1692' FSL & 710' FWL, Section 11, T28N, R7W, NMPM

Rio Arriba, NM

12. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OTHER DATA

Type of Submission	Type of Action			
☒ Notice of Intent	☐ Abandonment	☐ Change of Plans	☒ Other -	<u>CHANGE OF PLANS</u>
☐ Subsequent Report	☐ Recompletion	☐ New Construction		
☐ Final Abandonment	☐ Plugging	☐ Non-Routine Fracturing		
	☐ Casing Repair	☐ Water Shut off		
	☐ Altering Casing	☐ Conversion to Injection		

RCVD JAN 3 '12
OIL CONS. DIV.

13. Describe Proposed or Completed Operations

DIST. 3

Attached is the revised directional plan for the subject well due to the gyro survey, which was run on the San Juan 28-7 Unit 55. The offset well (San Juan 28-7 Unit 55), drifted directly toward original plan. ConocoPhillips plans are to nudge to avoid collision by still running 4 1/2" liner with the top of liner @ 1480' MD, instead of 1970', plus the new intermediate casing depth @ 4185' MD.

14. I hereby certify that the foregoing is true and correct.

Signed Marie E. Jaramillo

Title: Staff Regulatory Tech. Date 12/26/11

(This space for Federal or State Office use)

APPROVED BY Tim L. Salyers Title Petroleum Engineer Date 12/30/11

CONDITION OF APPROVAL, if any:

Title 18 U S C Section 1001, makes it a crime for any person knowingly and willfully to make any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction

CONDITIONS OF APPROVAL
Adhere to previously issued stipulations.

NMOCD

12

BLM'S APPROVAL OR ACCEPTANCE OF THIS ACTION DOES NOT RELIEVE THE LESSEE AND OPERATOR FROM OBTAINING ANY OTHER AUTHORIZATION REQUIRED FOR OPERATIONS ON FEDERAL AND INDIAN LANDS

12

RCVD JAN 3 '12
OIL CONS. DIV.
DIST. 3

ConocoPhillips

SJB (NM Central)

SEC 12-T28N-R7W

San Juan 28-7 Unit #430H

OH

Plan: Plan #8

Standard Planning Report

21 December, 2011

Scientific Drilling Planning Report

Database:	EDM 2003.21 Single User Db	Local Co-ordinate Reference:	Well San Juan 28-7 Unit #430H
Company:	ConocoPhillips	TVD Reference:	GL 6590' & KB 15' @ 6605.0ft (AWS 730)
Project:	SJB (NM Central)	MD Reference:	GL 6590' & KB 15' @ 6605.0ft (AWS 730)
Site:	SEC 12-T28N-R7W	North Reference:	True
Well:	San Juan 28-7 Unit #430H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #8		

Project	SJB (NM Central), 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 Central 3002		Using geodetic scale factor

Site	SEC 12-T28N-R7W		
Site Position:		Northing:	2,065,784.46 ft
From:	Lat/Long	Easting:	124,539.00 ft
Position Uncertainty:	0.0 ft	Slot Radius:	"
		Latitude:	36° 40' 13.783 N
		Longitude:	107° 31' 48.885 W
		Grid Convergence:	-0.76 °

Well	San Juan 28-7 Unit #430H, 738' FSL 881' FWL		
Well Position	+N/-S	0.0 ft	Northing: 2,065,784.46 ft
	+E/-W	0.0 ft	Easting: 124,539.00 ft
Position Uncertainty	0.0 ft	Wellhead Elevation:	ft
		Latitude:	36° 40' 13.783 N
		Longitude:	107° 31' 48.885 W
		Ground Level:	6,590.0 ft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2011	2011/12/15	9.73	63.44	50,647

Design	Plan #8				
Audit Notes:					
Version:	Phase:	PLAN	Tie On Depth:	0.0	
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)	
	0.0	0.0	0.0	279.92	

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	
1,530.0	0.00	0.00	1,530.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,857.0	12.00	280.00	1,854.6	5.9	-33.6	3.67	3.67	0.00	280.00	
2,047.0	12.00	280.00	2,040.4	12.8	-72.5	0.00	0.00	0.00	0.00	
4,185.6	90.80	280.00	3,272.0	280.7	-1,591.8	3.68	3.68	0.00	0.00	
6,964.2	90.28	278.45	3,245.9	726.0	-4,334.3	0.06	-0.02	-0.06	-108.62	Coal Break Over
8,114.8	90.01	284.55	3,243.0	955.2	-5,461.2	0.53	-0.02	0.53	92.47	SJ 28-7 #430H PBHL

Scientific Drilling Planning Report

Database:	EDM 2003.21 Single User.Db	Local Co-ordinate Reference:	Well San Juan 28-7, Unit #430H
Company:	ConocoPhillips	TVD Reference:	GL 6590' & KB 15' @ 6605.0ft (AWS 730)
Project:	SJB (NM Central)	MD Reference:	GL 6590' & KB 15' @ 6605.0ft (AWS 730)
Site:	SEC 12-T28N-R7W	North Reference:	True
Well:	San Juan 28-7, Unit #430H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #8		

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
230.0	0.00	0.00	230.0	0.0	0.0	0.0	0.00	0.00	0.00
Surface Casing									
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,054.0	0.00	0.00	1,054.0	0.0	0.0	0.0	0.00	0.00	0.00
Nacimiento									
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00
1,530.0	0.00	0.00	1,530.0	0.0	0.0	0.0	0.00	0.00	0.00
1,600.0	2.57	280.00	1,600.0	0.3	-1.5	1.6	3.67	3.67	0.00
1,700.0	6.24	280.00	1,699.7	1.6	-9.1	9.2	3.67	3.67	0.00
1,800.0	9.91	280.00	1,798.7	4.0	-22.9	23.3	3.67	3.67	0.00
1,857.0	12.00	280.00	1,854.6	5.9	-33.6	34.1	3.67	3.67	0.00
1,900.0	12.00	280.00	1,896.7	7.5	-42.4	43.1	0.00	0.00	0.00
2,000.0	12.00	280.00	1,994.5	11.1	-62.9	63.9	0.00	0.00	0.00
2,047.0	12.00	280.00	2,040.4	12.8	-72.5	73.6	0.00	0.00	0.00
2,100.0	13.95	280.00	2,092.1	14.9	-84.2	85.5	3.68	3.68	0.00
2,200.0	17.64	280.00	2,188.3	19.6	-111.0	112.7	3.68	3.68	0.00
2,300.0	21.32	280.00	2,282.6	25.4	-143.9	146.1	3.68	3.68	0.00
2,400.0	25.01	280.00	2,374.5	32.2	-182.6	185.4	3.68	3.68	0.00
2,500.0	28.69	280.00	2,463.7	40.0	-227.1	230.6	3.68	3.68	0.00
2,502.6	28.79	280.00	2,466.0	40.3	-228.3	231.8	3.68	3.68	0.00
Ojo Alamo									
2,600.0	32.38	280.00	2,549.8	48.9	-277.1	281.4	3.68	3.68	0.00
2,659.0	34.55	280.00	2,599.0	54.5	-309.1	313.9	3.68	3.68	0.00
Kirtland									
2,700.0	36.06	280.00	2,632.5	58.6	-332.5	337.6	3.68	3.68	0.00
2,800.0	39.75	280.00	2,711.4	69.3	-393.0	399.0	3.68	3.68	0.00
2,900.0	43.43	280.00	2,786.2	80.8	-458.3	465.4	3.68	3.68	0.00
3,000.0	47.11	280.00	2,856.5	93.1	-528.3	536.4	3.68	3.68	0.00
3,100.0	50.80	280.00	2,922.2	106.2	-602.5	611.8	3.68	3.68	0.00
3,101.3	50.85	280.00	2,923.0	106.4	-603.5	612.8	3.68	3.68	0.00
Fruitland									
3,200.0	54.48	280.00	2,982.8	120.0	-680.8	691.3	3.68	3.68	0.00
3,300.0	58.17	280.00	3,038.3	134.5	-762.7	774.5	3.68	3.68	0.00
3,400.0	61.85	280.00	3,088.3	149.5	-848.0	861.1	3.68	3.68	0.00
3,500.0	65.54	280.00	3,132.6	165.1	-936.3	950.7	3.68	3.68	0.00
3,600.0	69.22	280.00	3,171.0	181.1	-1,027.2	1,043.0	3.68	3.68	0.00
3,700.0	72.91	280.00	3,203.5	197.5	-1,120.3	1,137.6	3.68	3.68	0.00
3,800.0	76.59	280.00	3,229.8	214.3	-1,215.3	1,234.1	3.68	3.68	0.00
3,900.0	80.28	280.00	3,249.8	231.3	-1,311.8	1,332.0	3.68	3.68	0.00
4,000.0	83.96	280.00	3,263.5	248.5	-1,409.3	1,431.0	3.68	3.68	0.00
4,100.0	87.65	280.00	3,270.8	265.8	-1,507.5	1,530.8	3.68	3.68	0.00

Scientific Drilling Planning Report

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Project:	SJB (NM Central)	MD Reference:	GL 6590' & KB 15' @ 6605 0ft (AWS 730)
Site:	SEC 12-T28N-R7W	North Reference:	True
Well:	San Juan 28-7 Unit #430H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #8		

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)
4,185.0	90.78	280.00	3,272.0	280.6	-1,591.2	1,615.7	3.68	3.68	0.00
Intermediate Casing									
4,185.6	90.80	280.00	3,272.0	280.7	-1,591.8	1,616.4	3.68	3.68	0.00
4,200.0	90.80	279.99	3,271.8	283.2	-1,606.0	1,630.7	0.06	-0.02	-0.06
4,300.0	90.78	279.94	3,270.4	300.5	-1,704.5	1,730.7	0.06	-0.02	-0.06
4,400.0	90.76	279.88	3,269.1	317.7	-1,803.0	1,830.7	0.06	-0.02	-0.06
4,500.0	90.74	279.82	3,267.8	334.8	-1,901.5	1,930.7	0.06	-0.02	-0.06
4,600.0	90.72	279.77	3,266.5	351.8	-2,000.0	2,030.7	0.06	-0.02	-0.06
4,700.0	90.70	279.71	3,265.3	368.7	-2,098.6	2,130.7	0.06	-0.02	-0.06
4,800.0	90.68	279.66	3,264.0	385.5	-2,197.1	2,230.7	0.06	-0.02	-0.06
4,900.0	90.67	279.60	3,262.9	402.3	-2,295.7	2,330.7	0.06	-0.02	-0.06
5,000.0	90.65	279.54	3,261.7	418.9	-2,394.3	2,430.7	0.06	-0.02	-0.06
5,100.0	90.63	279.49	3,260.6	435.4	-2,492.9	2,530.7	0.06	-0.02	-0.06
5,200.0	90.61	279.43	3,259.5	451.9	-2,591.6	2,630.7	0.06	-0.02	-0.06
5,300.0	90.59	279.38	3,258.5	468.2	-2,690.2	2,730.6	0.06	-0.02	-0.06
5,400.0	90.57	279.32	3,257.5	484.4	-2,788.9	2,830.6	0.06	-0.02	-0.06
5,500.0	90.55	279.27	3,256.5	500.6	-2,887.6	2,930.6	0.06	-0.02	-0.06
5,600.0	90.53	279.21	3,255.5	516.6	-2,986.3	3,030.6	0.06	-0.02	-0.06
5,700.0	90.51	279.15	3,254.6	532.6	-3,085.0	3,130.6	0.06	-0.02	-0.06
5,800.0	90.50	279.10	3,253.7	548.5	-3,183.7	3,230.6	0.06	-0.02	-0.06
5,900.0	90.48	279.04	3,252.9	564.2	-3,282.4	3,330.6	0.06	-0.02	-0.06
6,000.0	90.46	278.99	3,252.1	579.9	-3,381.2	3,430.6	0.06	-0.02	-0.06
6,100.0	90.44	278.93	3,251.3	595.5	-3,480.0	3,530.5	0.06	-0.02	-0.06
6,200.0	90.42	278.87	3,250.5	610.9	-3,578.8	3,630.5	0.06	-0.02	-0.06
6,300.0	90.40	278.82	3,249.8	626.3	-3,677.6	3,730.5	0.06	-0.02	-0.06
6,400.0	90.38	278.76	3,249.1	641.6	-3,776.4	3,830.5	0.06	-0.02	-0.06
6,500.0	90.36	278.71	3,248.5	656.8	-3,875.2	3,930.5	0.06	-0.02	-0.06
6,600.0	90.34	278.65	3,247.9	671.9	-3,974.1	4,030.4	0.06	-0.02	-0.06
6,700.0	90.33	278.59	3,247.3	686.9	-4,073.0	4,130.4	0.06	-0.02	-0.06
6,800.0	90.31	278.54	3,246.7	701.7	-4,171.9	4,230.4	0.06	-0.02	-0.06
6,900.0	90.29	278.48	3,246.2	716.5	-4,270.8	4,330.3	0.06	-0.02	-0.06
6,964.2	90.28	278.45	3,245.9	726.0	-4,334.3	4,394.5	0.06	-0.02	-0.06
7,000.0	90.27	278.64	3,245.7	731.3	-4,369.7	4,430.3	0.53	-0.02	0.53
7,100.0	90.25	279.17	3,245.3	746.8	-4,468.4	4,530.3	0.53	-0.02	0.53
7,200.0	90.22	279.70	3,244.9	763.2	-4,567.1	4,630.3	0.53	-0.02	0.53
7,300.0	90.20	280.23	3,244.5	780.5	-4,665.6	4,730.3	0.53	-0.02	0.53
7,400.0	90.18	280.76	3,244.2	798.7	-4,763.9	4,830.3	0.53	-0.02	0.53
7,500.0	90.15	281.29	3,243.9	817.8	-4,862.1	4,930.3	0.53	-0.02	0.53
7,600.0	90.13	281.82	3,243.6	837.8	-4,960.0	5,030.2	0.53	-0.02	0.53
7,700.0	90.11	282.35	3,243.4	858.8	-5,057.8	5,130.1	0.53	-0.02	0.53
7,800.0	90.08	282.88	3,243.3	880.6	-5,155.4	5,230.0	0.53	-0.02	0.53
7,900.0	90.06	283.41	3,243.1	903.3	-5,252.8	5,329.9	0.53	-0.02	0.53
8,000.0	90.04	283.94	3,243.1	927.0	-5,350.0	5,429.7	0.53	-0.02	0.53
8,100.0	90.02	284.47	3,243.0	951.5	-5,446.9	5,529.4	0.53	-0.02	0.53
8,114.0	90.01	284.54	3,243.0	955.0	-5,460.5	5,543.3	0.53	-0.02	0.53
Production Casing									
8,114.8	90.01	284.55	3,243.0	955.2	-5,461.2	5,544.1	0.53	-0.02	0.53

Scientific Drilling Planning Report

Database:	EDM 2003.21 Single User Db	Local Co-ordinate Reference:	Well San Juan:28-7 Unit #430H
Company:	ConocoPhillips	TVD Reference:	GL 6590' & KB 15' @ 6605.0ft (AWS 730)
Project:	SJB (NM Central)	MD Reference:	GL 6590' & KB 15' @ 6605.0ft (AWS 730)
Site:	SEC 12-T28N-R7W	North Reference:	True
Well:	San Juan:28-7 Unit #430H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #8		

Design Targets									
Target Name	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- hit/miss:target	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(ft)		
- Shape									
SJ 28-7 #430H PBHL	0 00	0 00	3,243.0	955 2	-5,461 2	2,066,812 53	119,090.68	36° 40' 23.223 N	107° 32' 55 920 W
- plan hits target center									
- Point									
Coal Break Over	0 00	0 00	3,245 9	726.0	-4,334 3	2,066,568 29	120,214 55	36° 40' 20 959 N	107° 32' 42 087 W
- plan hits target center									
- Point									

Casing Points					
Measured Depth	Vertical Depth	Name	Casing Diameter	Hole Diameter	
(ft)	(ft)		(")	(")	
4,185.0	3,272.0	Intermediate Casing	7	8-3/4	
230.0	230.0	Surface Casing	9-5/8	12-1/4	
8,114.0	3,243 0	Production Casing	4-1/2	6-1/4	

Formations					
Measured Depth	Vertical Depth	Name	Lithology	Dip	Dip Direction
(ft)	(ft)			(°)	(°)
1,054 0	1,054.0	Nacimiento		0 00	
2,502 6	2,466.0	Ojo Alamo		0 00	
2,659 0	2,599 0	Kirtland		0 00	
3,101 3	2,923 0	Fruitland		0.00	



Project: SJB (NM Central)
Site: SEC 12-T28N-R7W
Well: San Juan 28-7 Unit #430H
Wellbore: OH
Design: Plan #8



SECTION DETAILS

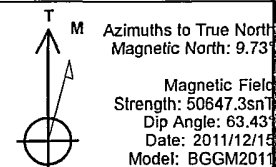
MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
1530.0	0.00	0.00	1530.0	0.0	0.0	0.00	0.00	0.0	
1857.0	12.00	280.00	1854.6	5.9	-33.6	3.67	280.00	34.1	
2047.0	12.00	280.00	2040.4	12.8	-72.5	0.00	0.00	73.6	
4185.6	90.80	280.00	3272.0	280.7	-1591.8	3.68	0.00	1616.4	
6964.2	90.28	278.45	3245.9	726.0	-4334.3	0.06	-108.62	4394.5	Coal Break Over
8114.8	90.01	284.55	3243.0	955.2	-5461.2	0.53	92.47	5544.1	SJ 28-7 #430H PBHL

WELL DETAILS: San Juan 28-7 Unit #430H

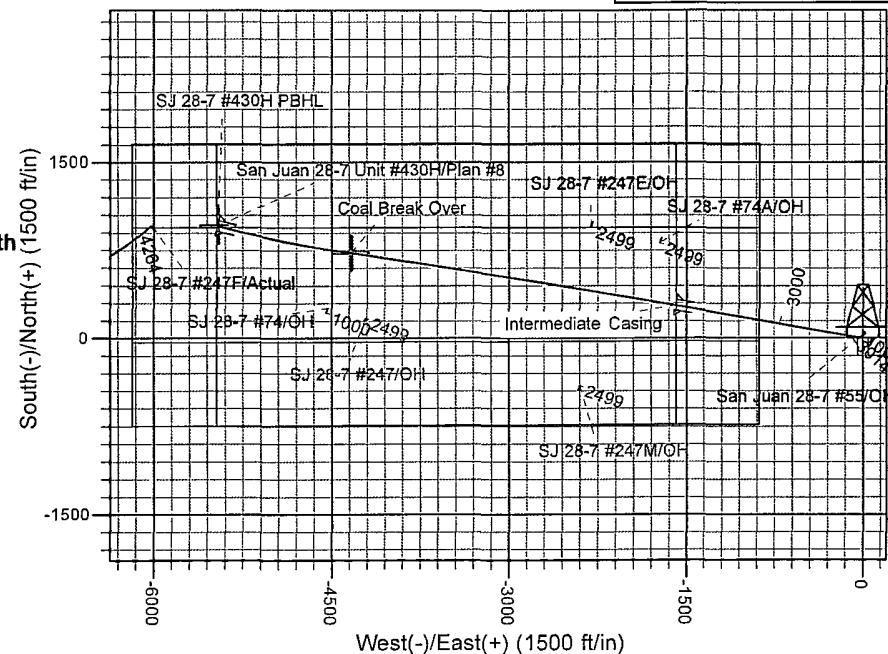
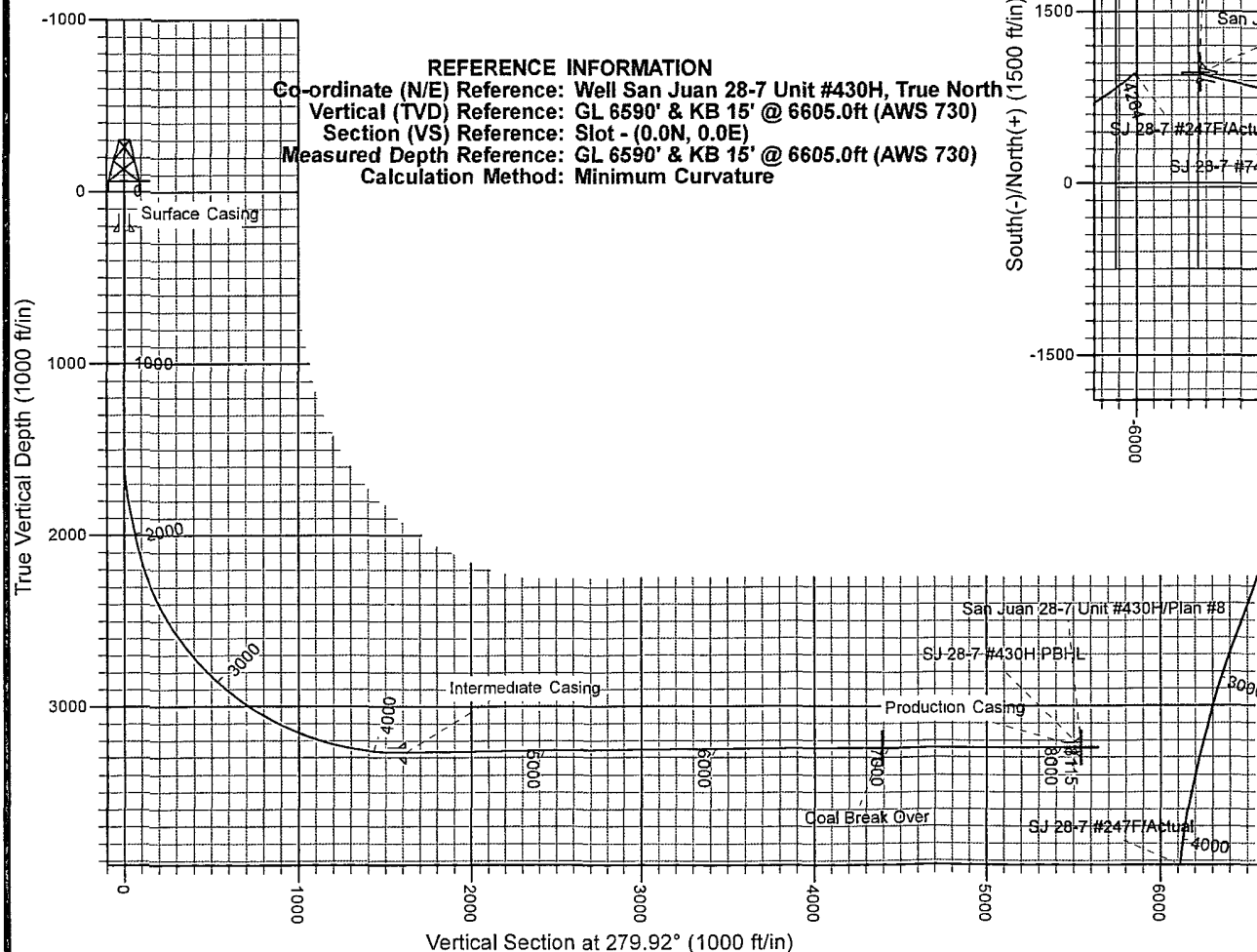
GL 6590' & KB 15' @ 6605.0ft (AWS 730)

Ground Level: 6590.0

Northing: 2065784.46 Easting: 124539.00 Latitude: 36° 40' 13.783 N Longitude: 107° 31' 48.885 W



Azimuths to True North
Magnetic North: 9.73°
Magnetic Field
Strength: 50847.3snT
Dip Angle: 63.43°
Date: 2011/12/15
Model: BGGM2011



PROJECT DETAILS: SJB (NM Central)
Geodetic System: US State Plane 1927 (Exact solution)
Datum: NAD 1927 (NADCON CONUS)
Ellipsoid: Clarke 1866
Zone: New Mexico Central 3002
System Datum: Mean Sea Level

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

SITE DETAILS: SEC 12-T28N-R7W
Site Centre Latitude: 36° 40' 13.783 N
Longitude: 107° 31' 48.885 W
Positional Uncertainty: 0.0
Convergence: -0.76
Local North: True