



Centennial Resource Development, Inc.

**Lea Co., NM (NAD83)
Solomon Federal Com
505H**

OH

Plan: Plan #2

Standard Planning Report

02 May, 2018



WELL DETAILS: 505H

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.00	0.00	440935.77	811661.81	32.209188	-103.459310

WELLBORE TARGET DETAILS (LAT/LONG)

Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
SFC 505H FTP	11213.00	48.92	983.20	440992.68	812644.58	Point
SFC 505H PBHL P2	11213.00	-7416.20	913.03	433527.24	812635.12	Point

SECTION DETAILS

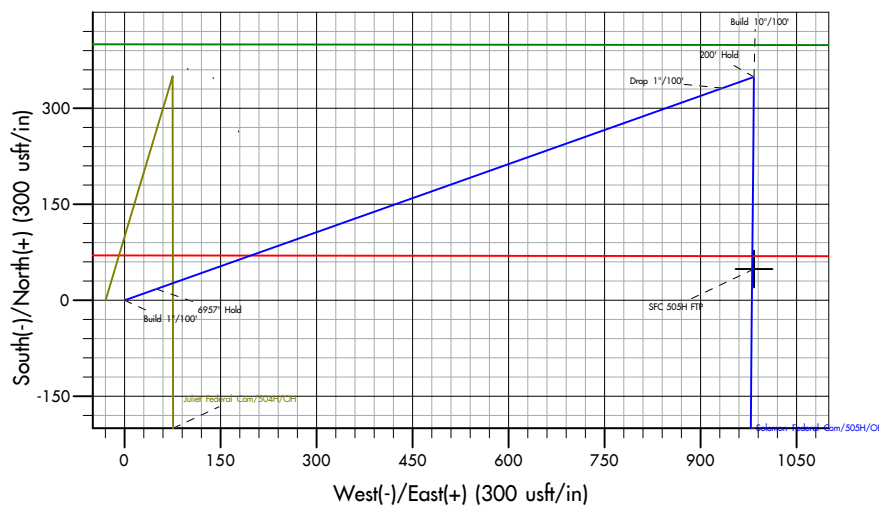
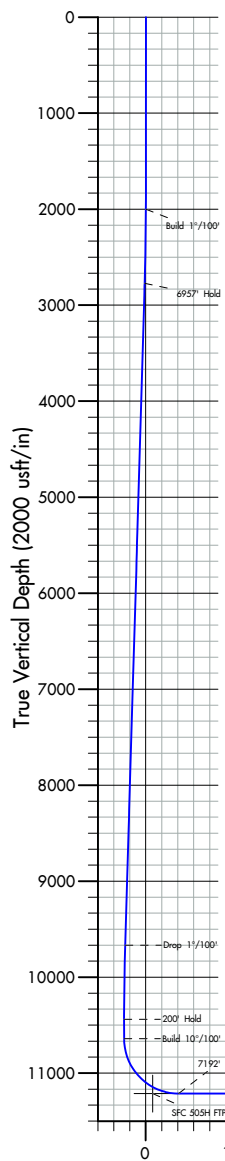
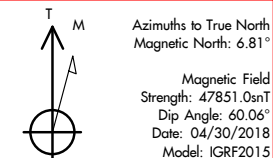
MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	Vsect	Annotation
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2000.00	0.00	0.00	2000.00	0.00	0.00	0.00	0.00	0.00	Build 1°/100'
2775.23	7.75	70.46	2772.87	17.51	49.35	1.00	70.46	-11.35	6957' Hold
9733.09	7.75	70.46	9667.13	331.41	933.85	0.00	0.00	-214.82	Drop 1°/100'
10508.32	0.00	0.00	10440.00	348.92	983.20	1.00	180.00	-226.17	200' Hold
10708.36	0.00	0.00	10640.04	348.92	983.20	0.00	0.00	-226.17	Build 10°/100'
11608.36	90.00	180.52	11213.00	-224.01	978.03	10.00	180.52	341.84	7192' Hold
18800.84	90.00	180.52	11213.00	-7416.20	913.03	0.00	0.00	7472.19	TD at 18800.84

Formation Tops

No formation data is available

CASING DETAILS

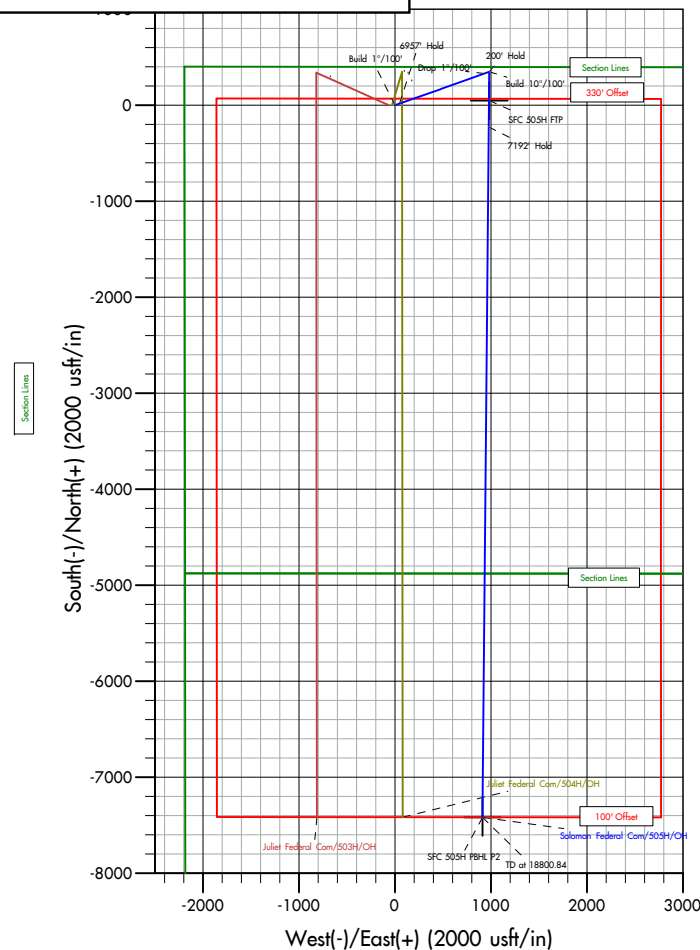
No casing data is available



Vertical Section at 172.98° (2000 usft/in)

Plan: Plan #2 (505H/OH)

Created By: Dusty Mayer Date: 16:46 May 02 2018



Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well 505H
Company:	Centennial Resource Development, Inc.	TVD Reference:	KB=25' @ 3549.00usft (H&P 650)
Project:	Lea Co., NM (NAD83)	MD Reference:	KB=25' @ 3549.00usft (H&P 650)
Site:	Solomon Federal Com	North Reference:	True
Well:	505H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #2		

Project	Lea Co., NM (NAD83)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site		Solomon Federal Com			
Site Position:		Northing:	436,371.26 usft	Latitude:	32.196606
From:	Map	Easting:	813,296.02 usft	Longitude:	-103.454148
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.47 °

Well	505H					
Well Position	+N/-S	4,577.72 usft	Northing:	440,935.77 usft	Latitude:	32.209188
	+E/-W	-1,596.83 usft	Easting:	811,661.81 usft	Longitude:	-103.459311
Position Uncertainty		0.00 usft	Wellhead Elevation:		Ground Level:	3,524.00 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	04/30/18	6.81	60.06	47,851.02282217

Design	Plan #2			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.00	0.00	0.00	172.98

Plan Survey Tool Program	Date	05/02/18		
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.00	18,800.84 Plan #2 (OH)	MWD+IFR1+MS	
			OWSG MWD + IFR1 + Multi-St	

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,775.23	7.75	70.46	2,772.87	17.51	49.35	1.00	1.00	0.00	70.46	
9,733.09	7.75	70.46	9,667.13	331.41	933.85	0.00	0.00	0.00	0.00	
10,508.32	0.00	0.00	10,440.00	348.92	983.20	1.00	-1.00	0.00	180.00	
10,708.36	0.00	0.00	10,640.04	348.92	983.20	0.00	0.00	0.00	0.00	
11,608.36	90.00	180.52	11,213.00	-224.01	978.03	10.00	10.00	0.00	180.52	
18,800.84	90.00	180.52	11,213.00	-7,416.20	913.03	0.00	0.00	0.00	0.00	SFC 505H PBHL P2

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well 505H
Company:	Centennial Resource Development, Inc.	TVD Reference:	KB=25' @ 3549.00usft (H&P 650)
Project:	Lea Co., NM (NAD83)	MD Reference:	KB=25' @ 3549.00usft (H&P 650)
Site:	Solomon Federal Com	North Reference:	True
Well:	505H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #2		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00
1,100.00	0.00	0.00	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00
1,200.00	0.00	0.00	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00
1,300.00	0.00	0.00	1,300.00	0.00	0.00	0.00	0.00	0.00	0.00
1,400.00	0.00	0.00	1,400.00	0.00	0.00	0.00	0.00	0.00	0.00
1,500.00	0.00	0.00	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00
1,600.00	0.00	0.00	1,600.00	0.00	0.00	0.00	0.00	0.00	0.00
1,700.00	0.00	0.00	1,700.00	0.00	0.00	0.00	0.00	0.00	0.00
1,800.00	0.00	0.00	1,800.00	0.00	0.00	0.00	0.00	0.00	0.00
1,900.00	0.00	0.00	1,900.00	0.00	0.00	0.00	0.00	0.00	0.00
2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00
Build 1°/100'									
2,100.00	1.00	70.46	2,099.99	0.29	0.82	-0.19	1.00	1.00	0.00
2,200.00	2.00	70.46	2,199.96	1.17	3.29	-0.76	1.00	1.00	0.00
2,300.00	3.00	70.46	2,299.86	2.63	7.40	-1.70	1.00	1.00	0.00
2,400.00	4.00	70.46	2,399.68	4.67	13.15	-3.03	1.00	1.00	0.00
2,500.00	5.00	70.46	2,499.37	7.29	20.55	-4.73	1.00	1.00	0.00
2,600.00	6.00	70.46	2,598.90	10.50	29.58	-6.80	1.00	1.00	0.00
2,700.00	7.00	70.46	2,698.26	14.28	40.25	-9.26	1.00	1.00	0.00
2,775.23	7.75	70.46	2,772.87	17.51	49.35	-11.35	1.00	1.00	0.00
6957' Hold									
2,800.00	7.75	70.46	2,797.41	18.63	52.50	-12.08	0.00	0.00	0.00
2,900.00	7.75	70.46	2,896.50	23.14	65.21	-15.00	0.00	0.00	0.00
3,000.00	7.75	70.46	2,995.58	27.65	77.92	-17.92	0.00	0.00	0.00
3,100.00	7.75	70.46	3,094.67	32.16	90.64	-20.85	0.00	0.00	0.00
3,200.00	7.75	70.46	3,193.75	36.68	103.35	-23.77	0.00	0.00	0.00
3,300.00	7.75	70.46	3,292.84	41.19	116.06	-26.70	0.00	0.00	0.00
3,400.00	7.75	70.46	3,391.93	45.70	128.77	-29.62	0.00	0.00	0.00
3,500.00	7.75	70.46	3,491.01	50.21	141.48	-32.55	0.00	0.00	0.00
3,600.00	7.75	70.46	3,590.10	54.72	154.20	-35.47	0.00	0.00	0.00
3,700.00	7.75	70.46	3,689.18	59.23	166.91	-38.39	0.00	0.00	0.00
3,800.00	7.75	70.46	3,788.27	63.74	179.62	-41.32	0.00	0.00	0.00
3,900.00	7.75	70.46	3,887.36	68.26	192.33	-44.24	0.00	0.00	0.00
4,000.00	7.75	70.46	3,986.44	72.77	205.05	-47.17	0.00	0.00	0.00
4,100.00	7.75	70.46	4,085.53	77.28	217.76	-50.09	0.00	0.00	0.00
4,200.00	7.75	70.46	4,184.62	81.79	230.47	-53.02	0.00	0.00	0.00
4,300.00	7.75	70.46	4,283.70	86.30	243.18	-55.94	0.00	0.00	0.00
4,400.00	7.75	70.46	4,382.79	90.81	255.90	-58.86	0.00	0.00	0.00
4,500.00	7.75	70.46	4,481.87	95.32	268.61	-61.79	0.00	0.00	0.00
4,600.00	7.75	70.46	4,580.96	99.84	281.32	-64.71	0.00	0.00	0.00
4,700.00	7.75	70.46	4,680.05	104.35	294.03	-67.64	0.00	0.00	0.00
4,800.00	7.75	70.46	4,779.13	108.86	306.74	-70.56	0.00	0.00	0.00
4,900.00	7.75	70.46	4,878.22	113.37	319.46	-73.48	0.00	0.00	0.00

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Site:	Solomon Federal Com	North Reference:	True
Well:	505H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #2		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
5,000.00	7.75	70.46	4,977.30	117.88	332.17	-76.41	0.00	0.00	0.00
5,100.00	7.75	70.46	5,076.39	122.39	344.88	-79.33	0.00	0.00	0.00
5,200.00	7.75	70.46	5,175.48	126.90	357.59	-82.26	0.00	0.00	0.00
5,300.00	7.75	70.46	5,274.56	131.41	370.31	-85.18	0.00	0.00	0.00
5,400.00	7.75	70.46	5,373.65	135.93	383.02	-88.11	0.00	0.00	0.00
5,500.00	7.75	70.46	5,472.73	140.44	395.73	-91.03	0.00	0.00	0.00
5,600.00	7.75	70.46	5,571.82	144.95	408.44	-93.95	0.00	0.00	0.00
5,700.00	7.75	70.46	5,670.91	149.46	421.16	-96.88	0.00	0.00	0.00
5,800.00	7.75	70.46	5,769.99	153.97	433.87	-99.80	0.00	0.00	0.00
5,900.00	7.75	70.46	5,869.08	158.48	446.58	-102.73	0.00	0.00	0.00
6,000.00	7.75	70.46	5,968.16	162.99	459.29	-105.65	0.00	0.00	0.00
6,100.00	7.75	70.46	6,067.25	167.51	472.00	-108.58	0.00	0.00	0.00
6,200.00	7.75	70.46	6,166.34	172.02	484.72	-111.50	0.00	0.00	0.00
6,300.00	7.75	70.46	6,265.42	176.53	497.43	-114.42	0.00	0.00	0.00
6,400.00	7.75	70.46	6,364.51	181.04	510.14	-117.35	0.00	0.00	0.00
6,500.00	7.75	70.46	6,463.59	185.55	522.85	-120.27	0.00	0.00	0.00
6,600.00	7.75	70.46	6,562.68	190.06	535.57	-123.20	0.00	0.00	0.00
6,700.00	7.75	70.46	6,661.77	194.57	548.28	-126.12	0.00	0.00	0.00
6,800.00	7.75	70.46	6,760.85	199.08	560.99	-129.05	0.00	0.00	0.00
6,900.00	7.75	70.46	6,859.94	203.60	573.70	-131.97	0.00	0.00	0.00
7,000.00	7.75	70.46	6,959.02	208.11	586.42	-134.89	0.00	0.00	0.00
7,100.00	7.75	70.46	7,058.11	212.62	599.13	-137.82	0.00	0.00	0.00
7,200.00	7.75	70.46	7,157.20	217.13	611.84	-140.74	0.00	0.00	0.00
7,300.00	7.75	70.46	7,256.28	221.64	624.55	-143.67	0.00	0.00	0.00
7,400.00	7.75	70.46	7,355.37	226.15	637.26	-146.59	0.00	0.00	0.00
7,500.00	7.75	70.46	7,454.45	230.66	649.98	-149.51	0.00	0.00	0.00
7,600.00	7.75	70.46	7,553.54	235.18	662.69	-152.44	0.00	0.00	0.00
7,700.00	7.75	70.46	7,652.63	239.69	675.40	-155.36	0.00	0.00	0.00
7,800.00	7.75	70.46	7,751.71	244.20	688.11	-158.29	0.00	0.00	0.00
7,900.00	7.75	70.46	7,850.80	248.71	700.83	-161.21	0.00	0.00	0.00
8,000.00	7.75	70.46	7,949.89	253.22	713.54	-164.14	0.00	0.00	0.00
8,100.00	7.75	70.46	8,048.97	257.73	726.25	-167.06	0.00	0.00	0.00
8,200.00	7.75	70.46	8,148.06	262.24	738.96	-169.98	0.00	0.00	0.00
8,300.00	7.75	70.46	8,247.14	266.76	751.67	-172.91	0.00	0.00	0.00
8,400.00	7.75	70.46	8,346.23	271.27	764.39	-175.83	0.00	0.00	0.00
8,500.00	7.75	70.46	8,445.32	275.78	777.10	-178.76	0.00	0.00	0.00
8,600.00	7.75	70.46	8,544.40	280.29	789.81	-181.68	0.00	0.00	0.00
8,700.00	7.75	70.46	8,643.49	284.80	802.52	-184.61	0.00	0.00	0.00
8,800.00	7.75	70.46	8,742.57	289.31	815.24	-187.53	0.00	0.00	0.00
8,900.00	7.75	70.46	8,841.66	293.82	827.95	-190.45	0.00	0.00	0.00
9,000.00	7.75	70.46	8,940.75	298.33	840.66	-193.38	0.00	0.00	0.00
9,100.00	7.75	70.46	9,039.83	302.85	853.37	-196.30	0.00	0.00	0.00
9,200.00	7.75	70.46	9,138.92	307.36	866.09	-199.23	0.00	0.00	0.00
9,300.00	7.75	70.46	9,238.00	311.87	878.80	-202.15	0.00	0.00	0.00
9,400.00	7.75	70.46	9,337.09	316.38	891.51	-205.07	0.00	0.00	0.00
9,500.00	7.75	70.46	9,436.18	320.89	904.22	-208.00	0.00	0.00	0.00
9,600.00	7.75	70.46	9,535.26	325.40	916.93	-210.92	0.00	0.00	0.00
9,700.00	7.75	70.46	9,634.35	329.91	929.65	-213.85	0.00	0.00	0.00
9,733.09	7.75	70.46	9,667.13	331.41	933.85	-214.82	0.00	0.00	0.00
Drop 1°/100'									
9,800.00	7.08	70.46	9,733.49	334.30	941.99	-216.69	1.00	-1.00	0.00
9,900.00	6.08	70.46	9,832.82	338.13	952.80	-219.17	1.00	-1.00	0.00
10,000.00	5.08	70.46	9,932.35	341.38	961.97	-221.28	1.00	-1.00	0.00
10,100.00	4.08	70.46	10,032.03	344.06	969.50	-223.01	1.00	-1.00	0.00

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Company:	Centennial Resource Development, Inc.	TVD Reference:	KB=25' @ 3549.00usft (H&P 650)
Project:	Lea Co., NM (NAD83)	MD Reference:	KB=25' @ 3549.00usft (H&P 650)
Site:	Solomon Federal Com	North Reference:	True
Well:	505H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #2		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
10,200.00	3.08	70.46	10,131.83	346.15	975.39	-224.37	1.00	-1.00	0.00
10,300.00	2.08	70.46	10,231.73	347.65	979.63	-225.35	1.00	-1.00	0.00
10,400.00	1.08	70.46	10,331.69	348.58	982.24	-225.95	1.00	-1.00	0.00
10,508.32	0.00	0.00	10,440.00	348.92	983.20	-226.17	1.00	-1.00	0.00
200' Hold									
10,600.00	0.00	0.00	10,531.68	348.92	983.20	-226.17	0.00	0.00	0.00
10,708.36	0.00	0.00	10,640.04	348.92	983.20	-226.17	0.00	0.00	0.00
Build 10°/100'									
10,750.00	4.16	180.52	10,681.65	347.41	983.19	-224.67	10.00	10.00	0.00
10,800.00	9.16	180.52	10,731.29	341.61	983.14	-218.92	10.00	10.00	0.00
10,850.00	14.16	180.52	10,780.24	331.50	983.05	-208.90	10.00	10.00	0.00
10,900.00	19.16	180.52	10,828.13	317.17	982.92	-194.69	10.00	10.00	0.00
10,950.00	24.16	180.52	10,874.58	298.72	982.75	-176.40	10.00	10.00	0.00
11,000.00	29.16	180.52	10,919.25	276.29	982.55	-154.16	10.00	10.00	0.00
11,050.00	34.16	180.52	10,961.79	250.05	982.31	-128.15	10.00	10.00	0.00
11,100.00	39.16	180.52	11,001.89	220.21	982.04	-98.56	10.00	10.00	0.00
11,150.00	44.16	180.52	11,039.23	186.98	981.74	-65.62	10.00	10.00	0.00
11,200.00	49.16	180.52	11,073.53	150.63	981.41	-29.58	10.00	10.00	0.00
11,250.00	54.16	180.52	11,104.54	111.42	981.06	9.29	10.00	10.00	0.00
11,300.00	59.16	180.52	11,132.01	69.66	980.68	50.69	10.00	10.00	0.00
11,350.00	64.16	180.52	11,155.73	25.67	980.28	94.31	10.00	10.00	0.00
11,400.00	69.16	180.52	11,175.53	-20.22	979.87	139.80	10.00	10.00	0.00
11,450.00	74.16	180.52	11,191.25	-67.67	979.44	186.84	10.00	10.00	0.00
11,500.00	79.16	180.52	11,202.78	-116.30	979.00	235.06	10.00	10.00	0.00
11,550.00	84.16	180.52	11,210.03	-165.76	978.55	284.09	10.00	10.00	0.00
11,600.00	89.16	180.52	11,212.94	-215.66	978.10	333.55	10.00	10.00	0.00
11,608.36	90.00	180.52	11,213.00	-224.01	978.03	341.84	10.00	10.00	0.00
7192' Hold									
11,700.00	90.00	180.52	11,213.00	-315.65	977.20	432.69	0.00	0.00	0.00
11,800.00	90.00	180.52	11,213.00	-415.65	976.29	531.83	0.00	0.00	0.00
11,900.00	90.00	180.52	11,213.00	-515.64	975.39	630.96	0.00	0.00	0.00
12,000.00	90.00	180.52	11,213.00	-615.64	974.49	730.10	0.00	0.00	0.00
12,100.00	90.00	180.52	11,213.00	-715.63	973.58	829.23	0.00	0.00	0.00
12,200.00	90.00	180.52	11,213.00	-815.63	972.68	928.37	0.00	0.00	0.00
12,300.00	90.00	180.52	11,213.00	-915.63	971.78	1,027.51	0.00	0.00	0.00
12,400.00	90.00	180.52	11,213.00	-1,015.62	970.87	1,126.64	0.00	0.00	0.00
12,500.00	90.00	180.52	11,213.00	-1,115.62	969.97	1,225.78	0.00	0.00	0.00
12,600.00	90.00	180.52	11,213.00	-1,215.61	969.07	1,324.92	0.00	0.00	0.00
12,700.00	90.00	180.52	11,213.00	-1,315.61	968.16	1,424.05	0.00	0.00	0.00
12,800.00	90.00	180.52	11,213.00	-1,415.61	967.26	1,523.19	0.00	0.00	0.00
12,900.00	90.00	180.52	11,213.00	-1,515.60	966.35	1,622.32	0.00	0.00	0.00
13,000.00	90.00	180.52	11,213.00	-1,615.60	965.45	1,721.46	0.00	0.00	0.00
13,100.00	90.00	180.52	11,213.00	-1,715.59	964.55	1,820.60	0.00	0.00	0.00
13,200.00	90.00	180.52	11,213.00	-1,815.59	963.64	1,919.73	0.00	0.00	0.00
13,300.00	90.00	180.52	11,213.00	-1,915.59	962.74	2,018.87	0.00	0.00	0.00
13,400.00	90.00	180.52	11,213.00	-2,015.58	961.84	2,118.01	0.00	0.00	0.00
13,500.00	90.00	180.52	11,213.00	-2,115.58	960.93	2,217.14	0.00	0.00	0.00
13,600.00	90.00	180.52	11,213.00	-2,215.57	960.03	2,316.28	0.00	0.00	0.00
13,700.00	90.00	180.52	11,213.00	-2,315.57	959.13	2,415.41	0.00	0.00	0.00
13,800.00	90.00	180.52	11,213.00	-2,415.57	958.22	2,514.55	0.00	0.00	0.00
13,900.00	90.00	180.52	11,213.00	-2,515.56	957.32	2,613.69	0.00	0.00	0.00
14,000.00	90.00	180.52	11,213.00	-2,615.56	956.41	2,712.82	0.00	0.00	0.00
14,100.00	90.00	180.52	11,213.00	-2,715.55	955.51	2,811.96	0.00	0.00	0.00

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well 505H
Company:	Centennial Resource Development, Inc.	TVD Reference:	KB=25' @ 3549.00usft (H&P 650)
Project:	Lea Co., NM (NAD83)	MD Reference:	KB=25' @ 3549.00usft (H&P 650)
Site:	Solomon Federal Com	North Reference:	True
Well:	505H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #2		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
14,200.00	90.00	180.52	11,213.00	-2,815.55	954.61	2,911.09	0.00	0.00	0.00
14,300.00	90.00	180.52	11,213.00	-2,915.54	953.70	3,010.23	0.00	0.00	0.00
14,400.00	90.00	180.52	11,213.00	-3,015.54	952.80	3,109.37	0.00	0.00	0.00
14,500.00	90.00	180.52	11,213.00	-3,115.54	951.90	3,208.50	0.00	0.00	0.00
14,600.00	90.00	180.52	11,213.00	-3,215.53	950.99	3,307.64	0.00	0.00	0.00
14,700.00	90.00	180.52	11,213.00	-3,315.53	950.09	3,406.78	0.00	0.00	0.00
14,800.00	90.00	180.52	11,213.00	-3,415.52	949.19	3,505.91	0.00	0.00	0.00
14,900.00	90.00	180.52	11,213.00	-3,515.52	948.28	3,605.05	0.00	0.00	0.00
15,000.00	90.00	180.52	11,213.00	-3,615.52	947.38	3,704.18	0.00	0.00	0.00
15,100.00	90.00	180.52	11,213.00	-3,715.51	946.47	3,803.32	0.00	0.00	0.00
15,200.00	90.00	180.52	11,213.00	-3,815.51	945.57	3,902.46	0.00	0.00	0.00
15,300.00	90.00	180.52	11,213.00	-3,915.50	944.67	4,001.59	0.00	0.00	0.00
15,400.00	90.00	180.52	11,213.00	-4,015.50	943.76	4,100.73	0.00	0.00	0.00
15,500.00	90.00	180.52	11,213.00	-4,115.50	942.86	4,199.87	0.00	0.00	0.00
15,600.00	90.00	180.52	11,213.00	-4,215.49	941.96	4,299.00	0.00	0.00	0.00
15,700.00	90.00	180.52	11,213.00	-4,315.49	941.05	4,398.14	0.00	0.00	0.00
15,800.00	90.00	180.52	11,213.00	-4,415.48	940.15	4,497.27	0.00	0.00	0.00
15,900.00	90.00	180.52	11,213.00	-4,515.48	939.25	4,596.41	0.00	0.00	0.00
16,000.00	90.00	180.52	11,213.00	-4,615.48	938.34	4,695.55	0.00	0.00	0.00
16,100.00	90.00	180.52	11,213.00	-4,715.47	937.44	4,794.68	0.00	0.00	0.00
16,200.00	90.00	180.52	11,213.00	-4,815.47	936.53	4,893.82	0.00	0.00	0.00
16,300.00	90.00	180.52	11,213.00	-4,915.46	935.63	4,992.96	0.00	0.00	0.00
16,400.00	90.00	180.52	11,213.00	-5,015.46	934.73	5,092.09	0.00	0.00	0.00
16,500.00	90.00	180.52	11,213.00	-5,115.45	933.82	5,191.23	0.00	0.00	0.00
16,600.00	90.00	180.52	11,213.00	-5,215.45	932.92	5,290.36	0.00	0.00	0.00
16,700.00	90.00	180.52	11,213.00	-5,315.45	932.02	5,389.50	0.00	0.00	0.00
16,800.00	90.00	180.52	11,213.00	-5,415.44	931.11	5,488.64	0.00	0.00	0.00
16,900.00	90.00	180.52	11,213.00	-5,515.44	930.21	5,587.77	0.00	0.00	0.00
17,000.00	90.00	180.52	11,213.00	-5,615.43	929.31	5,686.91	0.00	0.00	0.00
17,100.00	90.00	180.52	11,213.00	-5,715.43	928.40	5,786.04	0.00	0.00	0.00
17,200.00	90.00	180.52	11,213.00	-5,815.43	927.50	5,885.18	0.00	0.00	0.00
17,300.00	90.00	180.52	11,213.00	-5,915.42	926.59	5,984.32	0.00	0.00	0.00
17,400.00	90.00	180.52	11,213.00	-6,015.42	925.69	6,083.45	0.00	0.00	0.00
17,500.00	90.00	180.52	11,213.00	-6,115.41	924.79	6,182.59	0.00	0.00	0.00
17,600.00	90.00	180.52	11,213.00	-6,215.41	923.88	6,281.73	0.00	0.00	0.00
17,700.00	90.00	180.52	11,213.00	-6,315.41	922.98	6,380.86	0.00	0.00	0.00
17,800.00	90.00	180.52	11,213.00	-6,415.40	922.08	6,480.00	0.00	0.00	0.00
17,900.00	90.00	180.52	11,213.00	-6,515.40	921.17	6,579.13	0.00	0.00	0.00
18,000.00	90.00	180.52	11,213.00	-6,615.39	920.27	6,678.27	0.00	0.00	0.00
18,100.00	90.00	180.52	11,213.00	-6,715.39	919.37	6,777.41	0.00	0.00	0.00
18,200.00	90.00	180.52	11,213.00	-6,815.39	918.46	6,876.54	0.00	0.00	0.00
18,300.00	90.00	180.52	11,213.00	-6,915.38	917.56	6,975.68	0.00	0.00	0.00
18,400.00	90.00	180.52	11,213.00	-7,015.38	916.65	7,074.82	0.00	0.00	0.00
18,500.00	90.00	180.52	11,213.00	-7,115.37	915.75	7,173.95	0.00	0.00	0.00
18,600.00	90.00	180.52	11,213.00	-7,215.37	914.85	7,273.09	0.00	0.00	0.00
18,700.00	90.00	180.52	11,213.00	-7,315.37	913.94	7,372.22	0.00	0.00	0.00
18,800.84	90.00	180.52	11,213.00	-7,416.20	913.03	7,472.19	0.00	0.00	0.00
TD at 18800.84									

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well 505H
Company:	Centennial Resource Development, Inc.	TVD Reference:	KB=25' @ 3549.00usft (H&P 650)
Project:	Lea Co., NM (NAD83)	MD Reference:	KB=25' @ 3549.00usft (H&P 650)
Site:	Solomon Federal Com	North Reference:	True
Well:	505H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #2		

Design Targets									
Target Name	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- hit/miss target	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)		
- Shape									
SFC 505H FTP	0.00	0.00	11,213.00	48.92	983.20	440,992.68	812,644.58	32.209323	-103.456132
- plan misses target center by 61.81usft at 11351.32usft MD (11156.30 TVD, 24.48 N, 980.27 E)									
- Point									
SFC 505H PBHL P2	0.00	0.00	11,213.00	-7,416.20	913.03	433,527.24	812,635.12	32.188803	-103.456359
- plan hits target center									
- Point									

Plan Annotations					
Measured Depth	Vertical Depth	Local Coordinates			
(usft)	(usft)	+N/-S	+E/-W	Comment	
(usft)	(usft)	(usft)	(usft)		
2,000.00	2,000.00	0.00	0.00	Build 1°/100'	
2,775.23	2,772.87	17.51	49.35	6957' Hold	
9,733.09	9,667.13	331.41	933.85	Drop 1°/100'	
10,508.32	10,440.00	348.92	983.20	200' Hold	
10,708.36	10,640.04	348.92	983.20	Build 10°/100'	
11,608.36	11,213.00	-224.01	978.03	7192' Hold	
18,800.84	11,213.00	-7,416.20	913.03	TD at 18800.84	