



Centennial Resource Development, Inc.

**Lea Co., NM (NAD83)
Juliet Federal Com
504H**

OH

Plan: Plan #1

Standard Planning Report

30 April, 2018



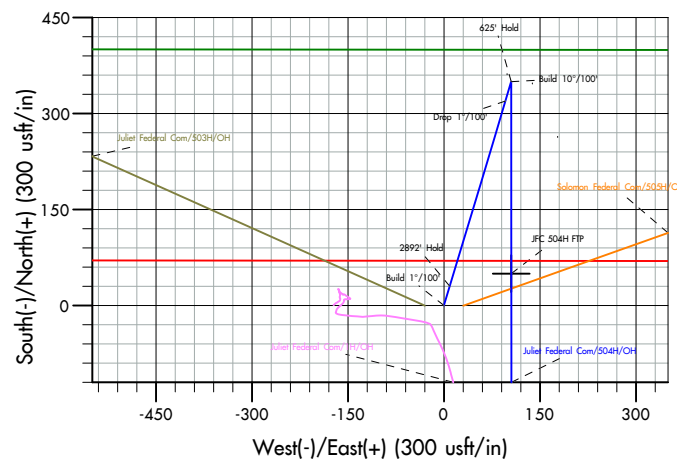
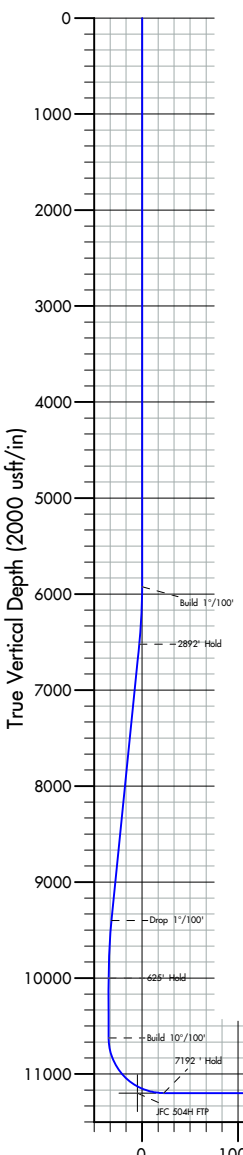
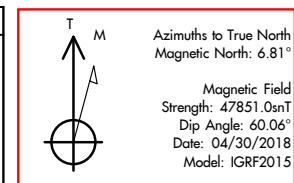
WELL DETAILS: 504H						
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	
0.00	0.00	440935.64	811631.82	32.209188	-103.459407	

WELLBORE TARGET DETAILS (LAT/LONG)						
Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
JFC 504H FTP	11198.00	49.82	104.95	440986.31	811736.36	Point
JFC 504H PBHL	11198.00	-7415.23	111.87	433521.56	811803.98	Point

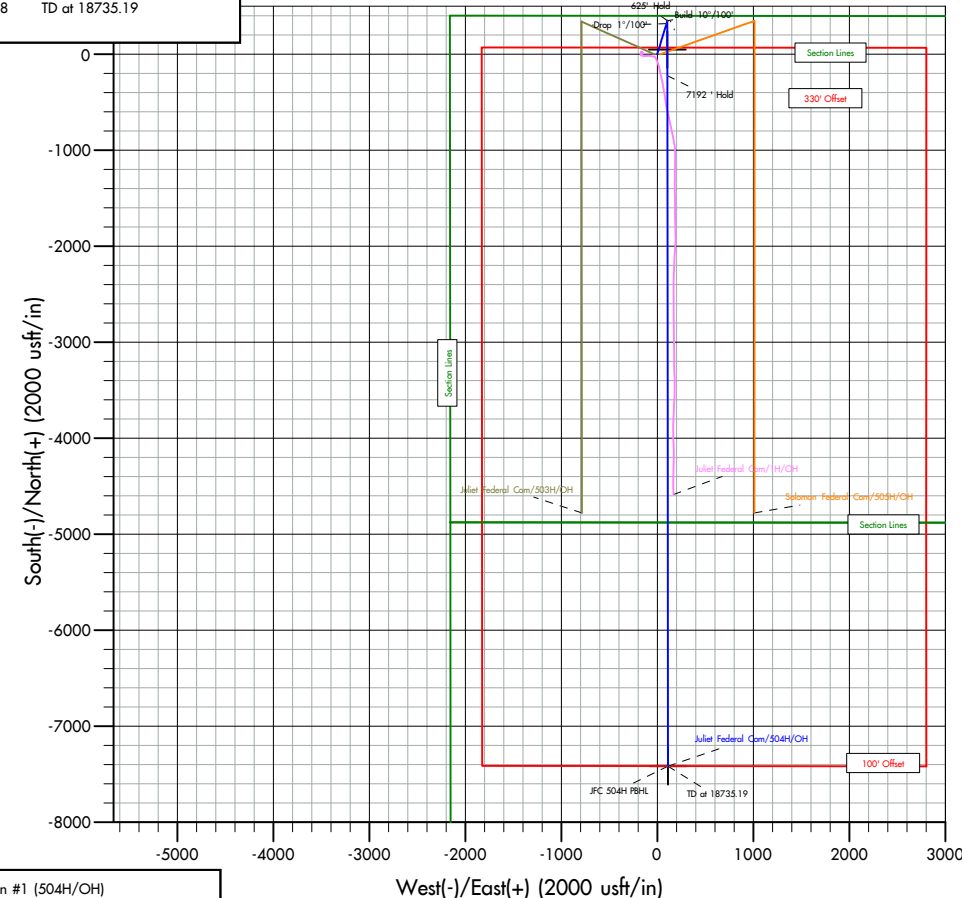
SECTION DETAILS										
MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	Vsect	Annotation	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
5925.00	0.00	0.00	5925.00	0.00	0.00	0.00	0.00	0.00	Build 1°/100'	
6525.09	6.00	16.70	6523.99	30.07	9.02	1.00	16.70	-29.93	2892' Hold	
9417.96	6.00	16.70	9401.01	319.75	95.93	0.00	0.00	-318.26	Drop 1°/100'	
10018.05	0.00	0.00	10000.00	349.82	104.95	1.00	180.00	-348.20	625' Hold	
10643.09	0.00	0.00	10625.04	349.82	104.95	0.00	0.00	-348.20	Build 10°/100'	
11543.09	90.00	179.95	11198.00	-223.14	105.46	10.00	179.95	224.70	7192' Hold	
18735.19	90.00	179.95	11198.00	-7415.23	111.87	0.00	0.00	7416.08	TD at 18735.19	

Formation Tops
 No formation data is available

CASING DETAILS
 No casing data is available



TARGET LINE: 11198' KBTVD @ 0° VS, INC = 90°



Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well 504H
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:	Juliet Federal Com	North Reference:	True
Well:	504H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #1		

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	Juliet Federal Com				
Site Position:	Northing:	440,935.00 usft	Latitude:	32.209191	
From: Map	Easting:	811,459.20 usft	Longitude:	-103.459966	
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.47 °

Well	504H					
Well Position	+N/-S	-0.76 usft	Northing:	440,935.64 usft	Latitude:	32.209188
	+E/-W	172.62 usft	Easting:	811,631.82 usft	Longitude:	-103.459408
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	47,851.01292364

Design	Plan #1			
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	179.14

Plan Survey Tool Program	Date	04/30/18		
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.00	18,735.16 Plan #1 (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	0.00
5,925.00	0.00	0.00	5,925.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6,525.09	6.00	16.70	6,523.99	30.07	9.02	1.00	1.00	0.00	16.70	
9,417.96	6.00	16.70	9,401.01	319.75	95.93	0.00	0.00	0.00	0.00	
10,018.05	0.00	0.00	10,000.00	349.82	104.95	1.00	-1.00	0.00	180.00	
10,643.09	0.00	0.00	10,625.04	349.82	104.95	0.00	0.00	0.00	0.00	
11,543.09	90.00	179.95	11,198.00	-223.14	105.46	10.00	10.00	0.00	179.95	
18,735.19	90.00	179.95	11,198.00	-7,415.23	111.87	0.00	0.00	0.00	0.00	JFC 504H PBHL

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well 504H
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:	Juliet Federal Com	North Reference:	True
Well:	504H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #1		

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
2,100.00	0.00	0.00	2,100.00	0.00	0.00	0.00	0.00	0.00	0.00
2,200.00	0.00	0.00	2,200.00	0.00	0.00	0.00	0.00	0.00	0.00
2,300.00	0.00	0.00	2,300.00	0.00	0.00	0.00	0.00	0.00	0.00
2,400.00	0.00	0.00	2,400.00	0.00	0.00	0.00	0.00	0.00	0.00
2,500.00	0.00	0.00	2,500.00	0.00	0.00	0.00	0.00	0.00	0.00
2,600.00	0.00	0.00	2,600.00	0.00	0.00	0.00	0.00	0.00	0.00
2,700.00	0.00	0.00	2,700.00	0.00	0.00	0.00	0.00	0.00	0.00
2,800.00	0.00	0.00	2,800.00	0.00	0.00	0.00	0.00	0.00	0.00
2,900.00	0.00	0.00	2,900.00	0.00	0.00	0.00	0.00	0.00	0.00
3,000.00	0.00	0.00	3,000.00	0.00	0.00	0.00	0.00	0.00	0.00
3,100.00	0.00	0.00	3,100.00	0.00	0.00	0.00	0.00	0.00	0.00
3,200.00	0.00	0.00	3,200.00	0.00	0.00	0.00	0.00	0.00	0.00
3,300.00	0.00	0.00	3,300.00	0.00	0.00	0.00	0.00	0.00	0.00
3,400.00	0.00	0.00	3,400.00	0.00	0.00	0.00	0.00	0.00	0.00
3,500.00	0.00	0.00	3,500.00	0.00	0.00	0.00	0.00	0.00	0.00
3,600.00	0.00	0.00	3,600.00	0.00	0.00	0.00	0.00	0.00	0.00
3,700.00	0.00	0.00	3,700.00	0.00	0.00	0.00	0.00	0.00	0.00
3,800.00	0.00	0.00	3,800.00	0.00	0.00	0.00	0.00	0.00	0.00
3,900.00	0.00	0.00	3,900.00	0.00	0.00	0.00	0.00	0.00	0.00
4,000.00	0.00	0.00	4,000.00	0.00	0.00	0.00	0.00	0.00	0.00
4,100.00	0.00	0.00	4,100.00	0.00	0.00	0.00	0.00	0.00	0.00
4,200.00	0.00	0.00	4,200.00	0.00	0.00	0.00	0.00	0.00	0.00
4,300.00	0.00	0.00	4,300.00	0.00	0.00	0.00	0.00	0.00	0.00
4,400.00	0.00	0.00	4,400.00	0.00	0.00	0.00	0.00	0.00	0.00
4,500.00	0.00	0.00	4,500.00	0.00	0.00	0.00	0.00	0.00	0.00
4,600.00	0.00	0.00	4,600.00	0.00	0.00	0.00	0.00	0.00	0.00
4,700.00	0.00	0.00	4,700.00	0.00	0.00	0.00	0.00	0.00	0.00
4,800.00	0.00	0.00	4,800.00	0.00	0.00	0.00	0.00	0.00	0.00
4,900.00	0.00	0.00	4,900.00	0.00	0.00	0.00	0.00	0.00	0.00
5,000.00	0.00	0.00	5,000.00	0.00	0.00	0.00	0.00	0.00	0.00
5,100.00	0.00	0.00	5,100.00	0.00	0.00	0.00	0.00	0.00	0.00
5,200.00	0.00	0.00	5,200.00	0.00	0.00	0.00	0.00	0.00	0.00
5,300.00	0.00	0.00	5,300.00	0.00	0.00	0.00	0.00	0.00	0.00

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well 504H
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:	Juliet Federal Com	North Reference:	True
Well:	504H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #1		

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)
5,400.00	0.00	0.00	5,400.00	0.00	0.00	0.00	0.00	0.00	0.00
5,500.00	0.00	0.00	5,500.00	0.00	0.00	0.00	0.00	0.00	0.00
5,600.00	0.00	0.00	5,600.00	0.00	0.00	0.00	0.00	0.00	0.00
5,700.00	0.00	0.00	5,700.00	0.00	0.00	0.00	0.00	0.00	0.00
5,800.00	0.00	0.00	5,800.00	0.00	0.00	0.00	0.00	0.00	0.00
5,900.00	0.00	0.00	5,900.00	0.00	0.00	0.00	0.00	0.00	0.00
5,925.00	0.00	0.00	5,925.00	0.00	0.00	0.00	0.00	0.00	0.00
Build 1°/100'									
6,000.00	0.75	16.70	6,000.00	0.47	0.14	-0.47	1.00	1.00	0.00
6,100.00	1.75	16.70	6,099.97	2.56	0.77	-2.55	1.00	1.00	0.00
6,200.00	2.75	16.70	6,199.89	6.32	1.90	-6.29	1.00	1.00	0.00
6,300.00	3.75	16.70	6,299.73	11.75	3.53	-11.70	1.00	1.00	0.00
6,400.00	4.75	16.70	6,399.46	18.85	5.65	-18.76	1.00	1.00	0.00
6,500.00	5.75	16.70	6,499.04	27.61	8.28	-27.48	1.00	1.00	0.00
6,525.09	6.00	16.70	6,523.99	30.07	9.02	-29.93	1.00	1.00	0.00
2892' Hold									
6,600.00	6.00	16.70	6,598.49	37.57	11.27	-37.40	0.00	0.00	0.00
6,700.00	6.00	16.70	6,697.95	47.59	14.28	-47.37	0.00	0.00	0.00
6,800.00	6.00	16.70	6,797.40	57.60	17.28	-57.33	0.00	0.00	0.00
6,900.00	6.00	16.70	6,896.85	67.61	20.28	-67.30	0.00	0.00	0.00
7,000.00	6.00	16.70	6,996.30	77.63	23.29	-77.27	0.00	0.00	0.00
7,100.00	6.00	16.70	7,095.75	87.64	26.29	-87.23	0.00	0.00	0.00
7,200.00	6.00	16.70	7,195.21	97.65	29.30	-97.20	0.00	0.00	0.00
7,300.00	6.00	16.70	7,294.66	107.67	32.30	-107.17	0.00	0.00	0.00
7,400.00	6.00	16.70	7,394.11	117.68	35.31	-117.14	0.00	0.00	0.00
7,500.00	6.00	16.70	7,493.56	127.69	38.31	-127.10	0.00	0.00	0.00
7,600.00	6.00	16.70	7,593.01	137.71	41.31	-137.07	0.00	0.00	0.00
7,700.00	6.00	16.70	7,692.47	147.72	44.32	-147.04	0.00	0.00	0.00
7,800.00	6.00	16.70	7,791.92	157.73	47.32	-157.00	0.00	0.00	0.00
7,900.00	6.00	16.70	7,891.37	167.75	50.33	-166.97	0.00	0.00	0.00
8,000.00	6.00	16.70	7,990.82	177.76	53.33	-176.94	0.00	0.00	0.00
8,100.00	6.00	16.70	8,090.27	187.78	56.33	-186.90	0.00	0.00	0.00
8,200.00	6.00	16.70	8,189.73	197.79	59.34	-196.87	0.00	0.00	0.00
8,300.00	6.00	16.70	8,289.18	207.80	62.34	-206.84	0.00	0.00	0.00
8,400.00	6.00	16.70	8,388.63	217.82	65.35	-216.80	0.00	0.00	0.00
8,500.00	6.00	16.70	8,488.08	227.83	68.35	-226.77	0.00	0.00	0.00
8,600.00	6.00	16.70	8,587.53	237.84	71.35	-236.74	0.00	0.00	0.00
8,700.00	6.00	16.70	8,686.99	247.86	74.36	-246.71	0.00	0.00	0.00
8,800.00	6.00	16.70	8,786.44	257.87	77.36	-256.67	0.00	0.00	0.00
8,900.00	6.00	16.70	8,885.89	267.88	80.37	-266.64	0.00	0.00	0.00
9,000.00	6.00	16.70	8,985.34	277.90	83.37	-276.61	0.00	0.00	0.00
9,100.00	6.00	16.70	9,084.79	287.91	86.37	-286.57	0.00	0.00	0.00
9,200.00	6.00	16.70	9,184.25	297.92	89.38	-296.54	0.00	0.00	0.00
9,300.00	6.00	16.70	9,283.70	307.94	92.38	-306.51	0.00	0.00	0.00
9,400.00	6.00	16.70	9,383.15	317.95	95.39	-316.47	0.00	0.00	0.00
9,417.96	6.00	16.70	9,401.01	319.75	95.93	-318.26	0.00	0.00	0.00
Drop 1°/100'									
9,500.00	5.18	16.70	9,482.66	327.40	98.22	-325.88	1.00	-1.00	0.00
9,600.00	4.18	16.70	9,582.33	335.22	100.57	-333.66	1.00	-1.00	0.00
9,700.00	3.18	16.70	9,682.12	341.37	102.41	-339.78	1.00	-1.00	0.00
9,800.00	2.18	16.70	9,782.01	345.85	103.76	-344.24	1.00	-1.00	0.00
9,900.00	1.18	16.70	9,881.96	348.66	104.60	-347.04	1.00	-1.00	0.00
10,000.00	0.18	16.70	9,981.96	349.79	104.94	-348.17	1.00	-1.00	0.00

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well 504H
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:	Juliet Federal Com	North Reference:	True
Well:	504H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #1		

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)
10,018.05	0.00	0.00	10,000.00	349.82	104.95	-348.20	1.00	-1.00	0.00
625' Hold									
10,100.00	0.00	0.00	10,081.96	349.82	104.95	-348.20	0.00	0.00	0.00
10,200.00	0.00	0.00	10,181.96	349.82	104.95	-348.20	0.00	0.00	0.00
10,300.00	0.00	0.00	10,281.96	349.82	104.95	-348.20	0.00	0.00	0.00
10,400.00	0.00	0.00	10,381.96	349.82	104.95	-348.20	0.00	0.00	0.00
10,500.00	0.00	0.00	10,481.96	349.82	104.95	-348.20	0.00	0.00	0.00
10,600.00	0.00	0.00	10,581.96	349.82	104.95	-348.20	0.00	0.00	0.00
10,643.09	0.00	0.00	10,625.04	349.82	104.95	-348.20	0.00	0.00	0.00
Build 10°/100'									
10,650.00	0.69	179.95	10,631.95	349.78	104.95	-348.16	10.00	10.00	0.00
10,700.00	5.69	179.95	10,681.86	347.00	104.95	-345.37	10.00	10.00	0.00
10,750.00	10.69	179.95	10,731.34	339.87	104.96	-338.25	10.00	10.00	0.00
10,800.00	15.69	179.95	10,780.00	328.47	104.97	-326.85	10.00	10.00	0.00
10,850.00	20.69	179.95	10,827.49	312.86	104.98	-311.24	10.00	10.00	0.00
10,900.00	25.69	179.95	10,873.43	293.18	105.00	-291.56	10.00	10.00	0.00
10,950.00	30.69	179.95	10,917.49	269.57	105.02	-267.95	10.00	10.00	0.00
11,000.00	35.69	179.95	10,959.32	242.20	105.04	-240.59	10.00	10.00	0.00
11,050.00	40.69	179.95	10,998.60	211.30	105.07	-209.69	10.00	10.00	0.00
11,100.00	45.69	179.95	11,035.04	177.09	105.10	-175.48	10.00	10.00	0.00
11,150.00	50.69	179.95	11,068.36	139.83	105.14	-138.23	10.00	10.00	0.00
11,200.00	55.69	179.95	11,098.31	99.81	105.17	-98.21	10.00	10.00	0.00
11,250.00	60.69	179.95	11,124.66	57.33	105.21	-55.74	10.00	10.00	0.00
11,300.00	65.69	179.95	11,147.20	12.72	105.25	-11.13	10.00	10.00	0.00
11,350.00	70.69	179.95	11,165.77	-33.68	105.29	35.27	10.00	10.00	0.00
11,400.00	75.69	179.95	11,180.23	-81.53	105.33	83.11	10.00	10.00	0.00
11,450.00	80.69	179.95	11,190.46	-130.46	105.38	132.03	10.00	10.00	0.00
11,500.00	85.69	179.95	11,196.38	-180.09	105.42	181.66	10.00	10.00	0.00
11,543.09	90.00	179.95	11,198.00	-223.14	105.46	224.70	10.00	10.00	0.00
7192' Hold									
11,600.00	90.00	179.95	11,198.00	-280.05	105.51	281.61	0.00	0.00	0.00
11,700.00	90.00	179.95	11,198.00	-380.05	105.60	381.60	0.00	0.00	0.00
11,800.00	90.00	179.95	11,198.00	-480.05	105.69	481.59	0.00	0.00	0.00
11,900.00	90.00	179.95	11,198.00	-580.05	105.78	581.58	0.00	0.00	0.00
12,000.00	90.00	179.95	11,198.00	-680.05	105.87	681.57	0.00	0.00	0.00
12,100.00	90.00	179.95	11,198.00	-780.05	105.96	781.56	0.00	0.00	0.00
12,200.00	90.00	179.95	11,198.00	-880.05	106.04	881.55	0.00	0.00	0.00
12,300.00	90.00	179.95	11,198.00	-980.05	106.13	981.54	0.00	0.00	0.00
12,400.00	90.00	179.95	11,198.00	-1,080.05	106.22	1,081.53	0.00	0.00	0.00
12,500.00	90.00	179.95	11,198.00	-1,180.05	106.31	1,181.52	0.00	0.00	0.00
12,600.00	90.00	179.95	11,198.00	-1,280.05	106.40	1,281.51	0.00	0.00	0.00
12,700.00	90.00	179.95	11,198.00	-1,380.05	106.49	1,381.50	0.00	0.00	0.00
12,800.00	90.00	179.95	11,198.00	-1,480.05	106.58	1,481.49	0.00	0.00	0.00
12,900.00	90.00	179.95	11,198.00	-1,580.05	106.67	1,581.48	0.00	0.00	0.00
13,000.00	90.00	179.95	11,198.00	-1,680.05	106.76	1,681.47	0.00	0.00	0.00
13,100.00	90.00	179.95	11,198.00	-1,780.05	106.85	1,781.46	0.00	0.00	0.00
13,200.00	90.00	179.95	11,198.00	-1,880.05	106.94	1,881.45	0.00	0.00	0.00
13,300.00	90.00	179.95	11,198.00	-1,980.05	107.03	1,981.44	0.00	0.00	0.00
13,400.00	90.00	179.95	11,198.00	-2,080.05	107.11	2,081.43	0.00	0.00	0.00
13,500.00	90.00	179.95	11,198.00	-2,180.05	107.20	2,181.42	0.00	0.00	0.00
13,600.00	90.00	179.95	11,198.00	-2,280.05	107.29	2,281.41	0.00	0.00	0.00
13,700.00	90.00	179.95	11,198.00	-2,380.05	107.38	2,381.40	0.00	0.00	0.00
13,800.00	90.00	179.95	11,198.00	-2,480.05	107.47	2,481.39	0.00	0.00	0.00

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well 504H
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:	Juliet Federal Com	North Reference:	True
Well:	504H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #1		

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)
13,900.00	90.00	179.95	11,198.00	-2,580.05	107.56	2,581.38	0.00	0.00	0.00
14,000.00	90.00	179.95	11,198.00	-2,680.05	107.65	2,681.37	0.00	0.00	0.00
14,100.00	90.00	179.95	11,198.00	-2,780.05	107.74	2,781.36	0.00	0.00	0.00
14,200.00	90.00	179.95	11,198.00	-2,880.05	107.83	2,881.35	0.00	0.00	0.00
14,300.00	90.00	179.95	11,198.00	-2,980.05	107.92	2,981.34	0.00	0.00	0.00
14,400.00	90.00	179.95	11,198.00	-3,080.05	108.01	3,081.33	0.00	0.00	0.00
14,500.00	90.00	179.95	11,198.00	-3,180.05	108.10	3,181.32	0.00	0.00	0.00
14,600.00	90.00	179.95	11,198.00	-3,280.05	108.18	3,281.31	0.00	0.00	0.00
14,700.00	90.00	179.95	11,198.00	-3,380.05	108.27	3,381.30	0.00	0.00	0.00
14,800.00	90.00	179.95	11,198.00	-3,480.05	108.36	3,481.29	0.00	0.00	0.00
14,900.00	90.00	179.95	11,198.00	-3,580.05	108.45	3,581.28	0.00	0.00	0.00
15,000.00	90.00	179.95	11,198.00	-3,680.05	108.54	3,681.27	0.00	0.00	0.00
15,100.00	90.00	179.95	11,198.00	-3,780.05	108.63	3,781.26	0.00	0.00	0.00
15,200.00	90.00	179.95	11,198.00	-3,880.05	108.72	3,881.25	0.00	0.00	0.00
15,300.00	90.00	179.95	11,198.00	-3,980.05	108.81	3,981.24	0.00	0.00	0.00
15,400.00	90.00	179.95	11,198.00	-4,080.05	108.90	4,081.23	0.00	0.00	0.00
15,500.00	90.00	179.95	11,198.00	-4,180.05	108.99	4,181.22	0.00	0.00	0.00
15,600.00	90.00	179.95	11,198.00	-4,280.05	109.08	4,281.21	0.00	0.00	0.00
15,700.00	90.00	179.95	11,198.00	-4,380.05	109.16	4,381.20	0.00	0.00	0.00
15,800.00	90.00	179.95	11,198.00	-4,480.05	109.25	4,481.19	0.00	0.00	0.00
15,900.00	90.00	179.95	11,198.00	-4,580.05	109.34	4,581.18	0.00	0.00	0.00
16,000.00	90.00	179.95	11,198.00	-4,680.05	109.43	4,681.17	0.00	0.00	0.00
16,100.00	90.00	179.95	11,198.00	-4,780.05	109.52	4,781.16	0.00	0.00	0.00
16,200.00	90.00	179.95	11,198.00	-4,880.05	109.61	4,881.15	0.00	0.00	0.00
16,300.00	90.00	179.95	11,198.00	-4,980.05	109.70	4,981.14	0.00	0.00	0.00
16,400.00	90.00	179.95	11,198.00	-5,080.05	109.79	5,081.13	0.00	0.00	0.00
16,500.00	90.00	179.95	11,198.00	-5,180.05	109.88	5,181.12	0.00	0.00	0.00
16,600.00	90.00	179.95	11,198.00	-5,280.05	109.97	5,281.11	0.00	0.00	0.00
16,700.00	90.00	179.95	11,198.00	-5,380.05	110.06	5,381.10	0.00	0.00	0.00
16,800.00	90.00	179.95	11,198.00	-5,480.05	110.15	5,481.09	0.00	0.00	0.00
16,900.00	90.00	179.95	11,198.00	-5,580.05	110.23	5,581.08	0.00	0.00	0.00
17,000.00	90.00	179.95	11,198.00	-5,680.05	110.32	5,681.07	0.00	0.00	0.00
17,100.00	90.00	179.95	11,198.00	-5,780.05	110.41	5,781.06	0.00	0.00	0.00
17,200.00	90.00	179.95	11,198.00	-5,880.05	110.50	5,881.05	0.00	0.00	0.00
17,300.00	90.00	179.95	11,198.00	-5,980.05	110.59	5,981.04	0.00	0.00	0.00
17,400.00	90.00	179.95	11,198.00	-6,080.05	110.68	6,081.03	0.00	0.00	0.00
17,500.00	90.00	179.95	11,198.00	-6,180.05	110.77	6,181.02	0.00	0.00	0.00
17,600.00	90.00	179.95	11,198.00	-6,280.05	110.86	6,281.01	0.00	0.00	0.00
17,700.00	90.00	179.95	11,198.00	-6,380.05	110.95	6,381.00	0.00	0.00	0.00
17,800.00	90.00	179.95	11,198.00	-6,480.05	111.04	6,480.99	0.00	0.00	0.00
17,900.00	90.00	179.95	11,198.00	-6,580.05	111.13	6,580.98	0.00	0.00	0.00
18,000.00	90.00	179.95	11,198.00	-6,680.05	111.22	6,680.97	0.00	0.00	0.00
18,100.00	90.00	179.95	11,198.00	-6,780.05	111.30	6,780.96	0.00	0.00	0.00
18,200.00	90.00	179.95	11,198.00	-6,880.05	111.39	6,880.95	0.00	0.00	0.00
18,300.00	90.00	179.95	11,198.00	-6,980.05	111.48	6,980.94	0.00	0.00	0.00
18,400.00	90.00	179.95	11,198.00	-7,080.05	111.57	7,080.93	0.00	0.00	0.00
18,500.00	90.00	179.95	11,198.00	-7,180.05	111.66	7,180.92	0.00	0.00	0.00
18,600.00	90.00	179.95	11,198.00	-7,280.05	111.75	7,280.91	0.00	0.00	0.00
18,700.00	90.00	179.95	11,198.00	-7,380.05	111.84	7,380.89	0.00	0.00	0.00
18,735.19	90.00	179.95	11,198.00	-7,415.23	111.87	7,416.08	0.00	0.00	0.00
TD at 18735.19									

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well 504H
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:	Juliet Federal Com	North Reference:	True
Well:	504H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #1		

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									
JFC 504H PBHL - plan hits target center - Point	0.00	0.00	11,198.00	-7,415.23	111.87	433,521.56	811,803.98	32.188806	-103.459046
JFC 504H FTP - plan misses target center by 61.72usft at 11289.80usft MD (11142.92 TVD, 21.98 N, 105.24 E) - Point	0.00	0.00	11,198.00	49.82	104.95	440,986.31	811,736.36	32.209325	-103.459068

Plan Annotations					
Measured Depth	Vertical Depth	Local Coordinates		Comment	
(usft)	(usft)	+N/-S	+E/-W		
		(usft)	(usft)		
5,925.00	5,925.00	0.00	0.00	Build 1°/100'	
6,525.09	6,523.99	30.07	9.02	2892' Hold	
9,417.96	9,401.01	319.75	95.93	Drop 1°/100'	
10,018.05	10,000.00	349.82	104.95	625' Hold	
10,643.09	10,625.04	349.82	104.95	Build 10°/100'	
11,543.09	11,198.00	-223.14	105.46	7192' Hold	
18,735.19	11,198.00	-7,415.23	111.87	TD at 18735.19	