



Centennial Resource Development, Inc.

Lea Co., NM (NAD83)
Raider Federal
301H

OH

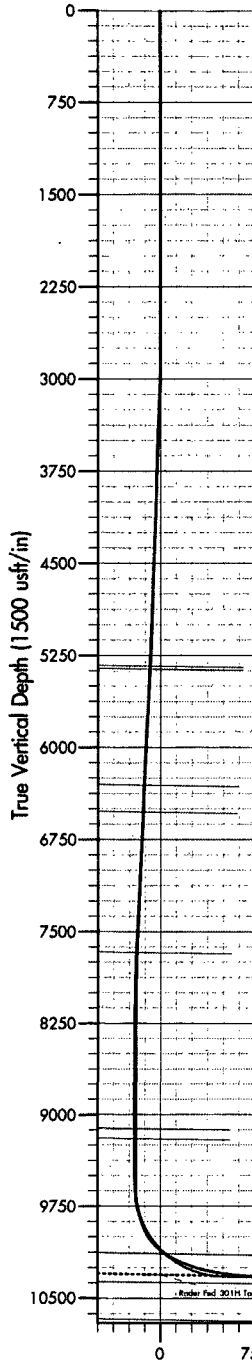
Design: OH

HOBBS OCD
DEC 04 2018
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Standard Survey Report

05 October, 2018



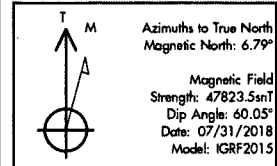


WELL DETAILS: 301H					
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.00	0.00	440904.10	807020.00	32.209204	-103.474318

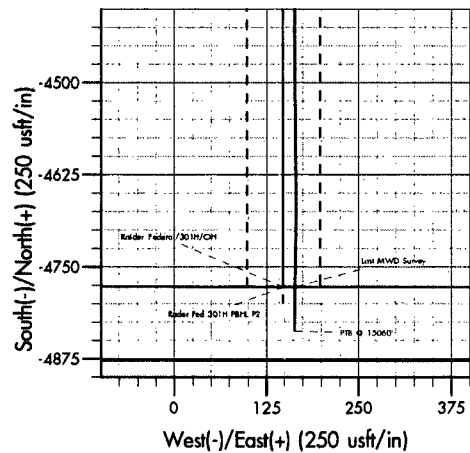
WELLBORE TARGET DETAILS (LAT/LONG)						
Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
Raider Fed 301H Target Line	10308.00	0.00	0.00	440904.10	807020.00	Rectangle (Sides: L0.00 W1.00)
Raider Fed 301H PBHL P2	10391.08	-4777.33	147.92	436128.10	807206.10	Point

SECTION DETAILS										
MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSec	Annotation	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3000.00	0.00	0.00	3000.00	0.00	0.00	0.00	0.00	0.00	Build 1°/100'	
3299.83	3.00	36.24	3299.70	6.33	4.64	1.00	36.24	-6.18	4486' Hold	
7786.58	3.00	36.24	7780.30	195.62	143.36	0.00	0.00	-191.09	Drop 1°/100'	
8086.42	0.00	0.00	8080.00	201.95	148.00	1.00	180.00	-197.27	1527' Hold	
9614.24	0.00	0.00	9607.82	201.95	148.00	0.00	0.00	-197.27	Build 8°/100'	
10727.99	89.10	180.00	10323.93	-503.00	147.99	8.00	180.00	507.34	4274' Hold	
15002.85	89.10	180.00	10391.08	-4777.33	147.92	0.00	0.00	4779.62	TD at 15002.85	

Formation Tops	
TVDPath	Formation
5337.55	Lamar
5362.53	Bell Canyon
6307.90	Cherry Canyon
6526.76	Manzanita Lime
7672.00	Brushy Canyon
9115.83	Bone Spring Lime
9198.83	Avalon Shale
10138.52	First Bone Spring Sand

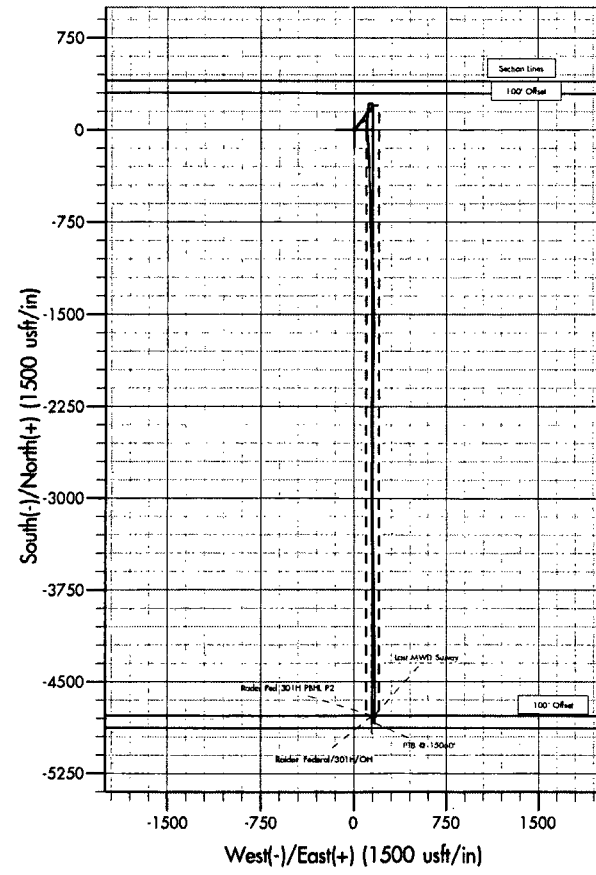


CASING DETAILS
No casing data is available



Target TVD: 10,308' KBTVD @ 0' VS, INC = 88.9°

Vertical Section at 178.23° (1500 usft/in)





Survey Report



Company:	Centennial Resource Development, Inc.	Local Co-ordinate Reference:	Well 301H
Project:	Lea Co., NM (NAD83)	TVD Reference:	KB=25' @ 3550.00usft (H&P 650)
Site:	Raider Federal	MD Reference:	KB=25' @ 3550.00usft (H&P 650)
Well:	301H	North Reference:	True
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14 Single User Db

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	Raider Federal				
Site Position:		Northing:	440,904.10 usft	Latitude:	32.209204
From:	Map	Easting:	807,020.00 usft	Longitude:	-103.474318
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.46 °

Well	301H					
Well Position	+N-S	0.00 usft	Northing:	440,904.10 usft	Latitude:	32.209204
	+E-W	0.00 usft	Easting:	807,020.00 usft	Longitude:	-103.474318
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	3,525.00 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	07/31/18	6.79	60.05	47,823.52036090

Design	OH				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N-S (usft)	+E-W (usft)	Direction (°)	
	0.00	0.00	0.00	178.23	

Survey Program	Date	10/04/18			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
25.00	1,378.00	Surface (OH)	MWD	OWSG MWD - Standard	
1,428.00	15,060.00	MWD Survey (OH)	MWD+IFR1+MS	OWSG MWD + IFR1 + Multi-Station Correction	

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
25.00	0.00	0.00	25.00	0.00	0.00	0.00	0.00	0.00	0.00
114.00	1.10	80.80	113.99	0.14	0.84	-0.11	1.24	1.24	0.00
202.00	0.30	32.80	201.99	0.47	1.80	-0.41	1.05	-0.91	-54.55
285.00	0.80	79.80	284.98	0.75	2.49	-0.67	0.76	0.60	56.63
379.00	0.00	131.80	378.98	0.87	3.14	-0.77	0.85	-0.85	0.00
474.00	0.80	149.80	473.98	0.29	3.47	-0.19	0.84	0.84	0.00
568.00	0.20	274.80	567.98	-0.26	3.64	0.37	0.99	-0.64	132.98
663.00	0.50	138.80	662.97	-0.56	3.74	0.67	0.69	0.32	-143.16
758.00	0.40	168.80	757.97	-1.20	4.08	1.32	0.27	-0.11	31.58

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Site: Raider Federal
Well: 301H
Wellbore: OH
Design: OH

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MD Reference: KB=25' @ 3550.00usft (H&P 650)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.14 Single User Db

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)
852.00	0.30	52.80	851.97	-1.37	4.34	1.50	0.63	-0.11	-123.40
947.00	0.60	160.80	946.97	-1.69	4.70	1.83	0.79	0.32	113.68
1,041.00	0.60	154.80	1,040.96	-2.60	5.07	2.75	0.07	0.00	-6.38
1,136.00	0.20	285.80	1,135.96	-3.00	5.13	3.16	0.79	-0.42	137.89
1,230.00	0.10	27.80	1,229.96	-2.89	5.01	3.04	0.26	-0.11	108.51
1,325.00	0.40	272.80	1,324.96	-2.80	4.71	2.94	0.48	0.32	-121.05
1,378.00	1.30	286.80	1,377.95	-2.61	3.95	2.73	1.73	1.70	26.42
1,428.00	0.86	271.44	1,427.95	-2.44	3.04	2.53	1.05	-0.88	-30.72
First MWD Survey									
1,522.00	1.37	278.37	1,521.93	-2.26	1.22	2.29	0.56	0.54	7.37
1,616.00	1.12	285.26	1,615.91	-1.85	-0.78	1.83	0.31	-0.27	7.33
1,710.00	1.00	291.61	1,709.89	-1.31	-2.43	1.23	0.18	-0.13	6.76
1,804.00	0.81	302.09	1,803.88	-0.65	-3.75	0.54	0.27	-0.20	11.15
1,898.00	0.51	295.60	1,897.87	-0.12	-4.69	-0.03	0.33	-0.32	-6.90
1,992.00	0.40	286.06	1,991.87	0.15	-5.39	-0.32	0.14	-0.12	-10.15
2,086.00	0.36	290.91	2,085.87	0.35	-5.98	-0.53	0.05	-0.04	5.16
2,180.00	0.23	302.59	2,179.86	0.55	-6.41	-0.75	0.15	-0.14	12.43
2,275.00	0.21	288.43	2,274.86	0.71	-6.74	-0.92	0.06	-0.02	-14.91
2,369.00	0.16	317.27	2,368.86	0.86	-6.99	-1.08	0.11	-0.05	30.68
2,463.00	0.16	325.14	2,462.86	1.07	-7.15	-1.29	0.02	0.00	8.37
2,557.00	0.25	302.70	2,556.86	1.29	-7.40	-1.51	0.13	0.10	-23.87
2,651.00	0.23	299.58	2,650.86	1.49	-7.74	-1.73	0.03	-0.02	-3.32
2,745.00	0.30	328.32	2,744.86	1.79	-8.03	-2.04	0.16	0.07	30.57
2,839.00	0.23	341.15	2,838.86	2.18	-8.22	-2.43	0.10	-0.07	13.65
2,933.00	0.17	315.58	2,932.86	2.46	-8.38	-2.72	0.11	-0.06	-27.20
3,028.00	0.71	48.18	3,027.86	2.95	-8.04	-3.20	0.78	0.57	97.47
3,122.00	2.27	44.06	3,121.82	4.68	-6.31	-4.87	1.66	1.66	-4.38
3,215.00	3.89	38.52	3,214.68	8.47	-3.07	-8.56	1.77	1.74	-5.96
3,309.00	4.49	37.23	3,308.43	13.89	1.15	-13.85	0.65	0.64	-1.37
3,403.00	3.73	46.52	3,402.19	18.93	5.59	-18.75	1.07	-0.81	9.88
3,497.00	3.19	56.51	3,496.02	22.47	9.99	-22.15	0.86	-0.57	10.63
3,592.00	3.16	56.66	3,590.88	25.37	14.38	-24.92	0.03	-0.03	0.16
3,686.00	3.01	60.66	3,684.74	28.01	18.70	-27.41	0.28	-0.16	4.26
3,780.00	2.58	61.64	3,778.63	30.22	22.71	-29.50	0.46	-0.46	1.04
3,874.00	2.44	64.57	3,872.54	32.08	26.38	-31.25	0.20	-0.15	3.12
3,968.00	2.47	55.00	3,966.45	34.10	29.85	-33.16	0.44	0.03	-10.18
4,062.00	2.57	36.25	4,060.36	36.97	32.75	-35.94	0.88	0.11	-19.95
4,156.00	2.86	26.10	4,154.26	40.77	35.03	-39.67	0.60	0.31	-10.80
4,250.00	2.97	27.64	4,248.13	45.04	37.19	-43.86	0.14	0.12	1.64
4,344.00	3.00	28.28	4,342.01	49.36	39.49	-48.11	0.05	0.03	0.68
4,438.00	2.99	37.77	4,435.88	53.46	42.15	-52.13	0.53	-0.01	10.10
4,532.00	3.21	59.27	4,529.75	56.75	45.92	-55.30	1.25	0.23	22.87
4,627.00	3.45	68.86	4,624.59	59.14	50.87	-57.53	0.64	0.25	10.09

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 Wellbore: OH
 Design: OH

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4,721.00	3.24	52.83	4,718.43	61.76	55.62	-60.01	1.02	-0.22	-17.05
4,814.00	3.66	51.93	4,811.26	65.18	60.06	-63.29	0.46	0.45	-0.97
4,909.00	3.70	61.04	4,906.06	68.53	65.12	-66.48	0.62	0.04	9.59
5,003.00	3.47	63.48	4,999.88	71.27	70.32	-69.06	0.29	-0.24	2.60
5,096.00	3.31	61.21	5,092.72	73.82	75.19	-71.46	0.22	-0.17	-2.44
5,190.00	3.37	26.71	5,186.57	77.60	78.82	-75.12	2.11	0.06	-36.70
5,284.00	3.37	23.65	5,280.40	82.60	81.17	-80.04	0.19	0.00	-3.26
5,291.00	3.26	24.47	5,287.39	82.97	81.33	-80.41	1.71	-1.57	11.71
5,452.00	3.15	25.97	5,448.14	91.11	85.16	-88.43	0.09	-0.07	0.93
5,546.00	3.31	26.40	5,541.99	95.86	87.50	-93.11	0.17	0.17	0.46
5,640.00	3.42	26.72	5,635.83	100.80	89.97	-97.96	0.12	0.12	0.34
5,734.00	3.54	25.99	5,729.66	105.91	92.50	-103.00	0.14	0.13	-0.78
5,828.00	3.64	26.30	5,823.47	111.19	95.09	-108.20	0.11	0.11	0.33
5,922.00	3.83	26.69	5,917.27	116.67	97.83	-113.59	0.20	0.20	0.41
6,015.00	3.16	22.84	6,010.10	121.81	100.22	-118.65	0.76	-0.72	-4.14
6,110.00	2.82	31.71	6,104.97	126.21	102.46	-122.98	0.60	-0.36	9.34
6,204.00	2.85	35.93	6,198.85	130.07	105.05	-126.76	0.22	0.03	4.49
6,298.00	2.77	32.36	6,292.74	133.88	107.64	-130.49	0.20	-0.09	-3.80
6,392.00	2.65	32.11	6,386.64	137.64	110.01	-134.17	0.13	-0.13	-0.27
6,486.00	2.73	31.21	6,480.53	141.40	112.32	-137.85	0.10	0.09	-0.96
6,580.00	2.73	30.08	6,574.43	145.25	114.60	-141.63	0.06	0.00	-1.20
6,674.00	2.86	30.33	6,668.31	149.21	116.91	-145.52	0.14	0.14	0.27
6,768.00	3.03	31.49	6,762.19	153.35	119.39	-149.58	0.19	0.18	1.23
6,862.00	3.18	31.93	6,856.05	157.68	122.07	-153.83	0.16	0.16	0.47
6,956.00	3.20	29.24	6,949.91	162.19	124.73	-158.25	0.16	0.02	-2.86
7,050.00	3.21	28.33	7,043.76	166.79	127.26	-162.77	0.06	0.01	-0.97
7,144.00	3.22	28.10	7,137.61	171.44	129.75	-167.34	0.02	0.01	-0.24
7,238.00	3.46	28.39	7,231.45	176.26	132.34	-172.08	0.26	0.26	0.31
7,332.00	3.40	26.05	7,325.28	181.26	134.92	-177.00	0.16	-0.06	-2.49
7,426.00	3.62	24.88	7,419.11	186.46	137.39	-182.12	0.25	0.23	-1.24
7,520.00	3.59	23.28	7,512.92	191.85	139.80	-187.43	0.11	-0.03	-1.70
7,614.00	3.59	22.46	7,606.74	197.28	142.09	-192.78	0.05	0.00	-0.87
7,708.00	2.82	13.28	7,700.59	202.25	143.74	-197.70	0.98	-0.82	-9.77
7,802.00	1.56	357.56	7,794.52	205.77	144.22	-201.21	1.47	-1.34	-16.72
7,896.00	1.15	342.92	7,888.49	207.95	143.89	-203.40	0.57	-0.44	-15.57
7,990.00	1.43	320.56	7,982.47	209.76	142.87	-205.24	0.61	0.30	-23.79
8,084.00	1.38	311.55	8,076.44	211.42	141.27	-206.95	0.24	-0.05	-9.59
8,178.00	1.37	302.90	8,170.42	212.78	139.48	-208.36	0.22	-0.01	-9.20
8,272.00	1.49	295.55	8,264.39	213.92	137.44	-209.56	0.23	0.13	-7.82
8,366.00	1.40	281.01	8,358.36	214.66	135.21	-210.38	0.40	-0.10	-15.47
8,460.00	1.25	274.03	8,452.33	214.96	133.06	-210.73	0.23	-0.16	-7.43
8,554.00	1.64	267.73	8,546.30	214.97	130.69	-210.83	0.45	0.41	-6.70
8,648.00	1.82	270.04	8,640.26	214.92	127.85	-210.86	0.21	0.19	2.46

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8,742.00	1.55	282.06	8,734.22	215.19	125.12	-211.21	0.47	-0.29	12.79
8,836.00	0.34	194.99	8,828.21	215.18	123.80	-211.25	1.67	-1.29	-92.63
8,930.00	0.81	168.15	8,922.20	214.26	123.87	-210.33	0.56	0.50	-28.55
9,024.00	0.65	214.02	9,016.19	213.17	123.71	-209.24	0.63	-0.17	48.80
9,118.00	0.79	275.06	9,110.19	212.79	122.76	-208.89	0.79	0.15	64.94
9,212.00	1.17	265.07	9,204.17	212.76	121.16	-208.91	0.44	0.40	-10.63
9,306.00	1.39	233.43	9,298.15	212.00	119.29	-208.21	0.78	0.23	-33.66
9,400.00	0.60	189.42	9,392.14	210.84	118.29	-207.07	1.11	-0.84	-46.82
9,461.00	0.46	133.44	9,453.14	210.35	118.42	-206.59	0.84	-0.23	-91.77
9,506.00	0.35	87.88	9,498.13	210.23	118.69	-206.46	0.73	-0.24	-101.24
9,600.00	1.25	186.21	9,592.13	209.22	118.86	-205.45	1.43	0.96	104.61
9,631.00	3.21	169.37	9,623.10	208.04	118.99	-204.25	6.60	6.32	-54.32
9,663.00	5.29	179.14	9,655.01	205.68	119.17	-201.89	6.86	6.50	30.53
9,694.00	6.58	180.22	9,685.85	202.47	119.19	-198.69	4.18	4.16	3.48
9,725.00	8.57	188.23	9,716.57	198.41	118.85	-194.64	7.25	6.42	25.84
9,757.00	10.80	189.16	9,748.12	193.09	118.03	-189.35	6.99	6.97	2.91
9,788.00	12.78	188.57	9,778.46	186.83	117.06	-183.12	6.40	6.39	-1.90
9,820.00	15.80	187.78	9,809.47	179.01	115.94	-175.34	9.46	9.44	-2.47
9,851.00	17.98	188.83	9,839.13	170.10	114.63	-166.48	7.10	7.03	3.39
9,882.00	19.55	190.94	9,868.48	160.28	112.92	-156.71	5.52	5.06	6.81
9,914.00	21.92	189.76	9,898.41	149.14	110.89	-145.64	7.52	7.41	-3.69
9,945.00	24.33	188.69	9,926.91	137.12	108.94	-133.68	7.89	7.77	-3.45
9,976.00	26.42	187.17	9,954.92	123.96	107.11	-120.59	7.06	6.74	-4.90
10,008.00	29.11	186.40	9,983.23	109.16	105.36	-105.85	8.48	8.41	-2.41
10,039.00	32.14	183.86	10,009.91	93.44	103.96	-90.18	10.63	9.77	-8.19
10,070.00	35.80	183.87	10,035.61	76.16	102.79	-72.94	11.81	11.81	0.03
10,102.00	40.73	182.29	10,060.73	56.38	101.75	-53.20	15.71	15.41	-4.94
10,133.00	45.29	179.01	10,083.40	35.24	101.53	-32.08	16.38	14.71	-10.58
10,165.00	49.64	175.86	10,105.03	11.70	102.61	-8.52	15.40	13.59	-9.84
10,212.00	55.54	173.98	10,133.57	-25.46	105.94	28.73	12.95	12.55	-4.00
10,259.00	59.78	175.39	10,158.71	-64.99	109.60	68.36	9.37	9.02	3.00
10,306.00	63.07	177.15	10,181.19	-106.17	112.28	109.60	7.73	7.00	3.74
10,353.00	65.64	177.11	10,201.52	-148.49	114.40	151.96	5.47	5.47	-0.09
10,400.00	68.47	176.64	10,219.85	-191.70	116.76	195.22	6.09	6.02	-1.00
10,447.00	71.10	176.43	10,236.09	-235.72	119.43	239.30	5.61	5.60	-0.45
10,478.00	72.54	176.46	10,245.76	-265.12	121.25	268.74	4.65	4.65	0.10
10,510.00	73.80	176.92	10,255.02	-295.69	123.02	299.36	4.17	3.94	1.44
10,541.00	75.08	177.85	10,263.34	-325.53	124.38	329.22	5.04	4.13	3.00
10,572.00	75.31	178.03	10,271.26	-355.48	125.46	359.19	0.93	0.74	0.58
10,600.00	76.08	178.41	10,278.18	-382.60	126.30	386.32	3.05	2.75	1.36
10,631.00	77.38	178.32	10,285.29	-412.75	127.16	416.49	4.20	4.19	-0.29
10,662.00	78.92	178.69	10,291.66	-443.08	127.95	446.83	5.10	4.97	1.19
10,694.00	80.60	178.88	10,297.35	-474.56	128.62	478.32	5.28	5.25	0.59
10,725.00	81.93	178.93	10,302.05	-505.20	129.21	508.96	4.29	4.29	0.16

Company:	Centennial Resource Development, Inc.	Local Co-ordinate Reference:	Well 301H
Project:	Lea Co., NM (NAD83)	TVD Reference:	KB=25' @ 3550.00usft (H&P 650)
Site:	Raider Federal	MD Reference:	KB=25' @ 3550.00usft (H&P 650)
Well:	301H	North Reference:	True
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14 Single User Db

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)
10,757.00	82.61	178.56	10,306.36	-536.90	129.90	540.66	2.41	2.13	-1.16
10,788.00	83.15	178.45	10,310.20	-567.65	130.70	571.42	1.78	1.74	-0.35
10,819.00	84.39	178.73	10,313.57	-598.46	131.46	602.24	4.10	4.00	0.90
10,851.00	85.43	179.23	10,316.40	-630.33	132.03	634.11	3.60	3.25	1.56
10,882.00	86.64	179.41	10,318.55	-661.25	132.40	665.03	3.95	3.90	0.58
10,914.00	87.48	178.82	10,320.19	-693.20	132.89	696.98	3.21	2.63	-1.84
10,945.00	87.73	178.79	10,321.48	-724.17	133.54	727.95	0.81	0.81	-0.10
11,039.00	87.39	178.16	10,325.49	-818.05	136.04	821.87	0.76	-0.36	-0.67
11,133.00	86.50	177.40	10,330.50	-911.84	139.67	915.73	1.24	-0.95	-0.81
11,227.00	87.79	178.40	10,335.18	-1,005.66	143.11	1,009.61	1.74	1.37	1.06
11,321.00	87.64	177.66	10,338.93	-1,099.53	146.34	1,103.53	0.80	-0.16	-0.79
11,416.00	88.01	177.69	10,342.53	-1,194.38	150.19	1,198.46	0.39	0.39	0.03
11,510.00	87.51	179.05	10,346.21	-1,288.27	152.86	1,292.38	1.54	-0.53	1.45
11,604.00	88.77	179.17	10,349.26	-1,382.21	154.32	1,386.32	1.35	1.34	0.13
11,698.00	87.56	178.15	10,352.27	-1,476.13	156.52	1,480.27	1.68	-1.29	-1.09
11,792.00	89.41	179.28	10,354.75	-1,570.07	158.63	1,574.23	2.31	1.97	1.20
11,886.00	90.76	181.03	10,354.61	-1,664.06	158.37	1,668.17	2.35	1.44	1.86
11,980.00	90.14	181.58	10,353.87	-1,758.03	156.23	1,762.03	0.88	-0.66	0.59
12,073.00	88.54	181.39	10,354.95	-1,850.99	153.82	1,854.87	1.73	-1.72	-0.20
12,167.00	88.85	181.52	10,357.09	-1,944.94	151.43	1,948.69	0.36	0.33	0.14
12,262.00	89.22	181.11	10,358.69	-2,039.90	149.25	2,043.54	0.58	0.39	-0.43
12,356.00	89.52	180.49	10,359.72	-2,133.89	147.94	2,137.44	0.73	0.32	-0.66
12,450.00	90.22	180.48	10,359.93	-2,227.88	147.15	2,231.37	0.74	0.74	-0.01
12,544.00	87.93	180.09	10,361.45	-2,321.86	146.68	2,325.29	2.47	-2.44	-0.41
12,638.00	87.96	179.64	10,364.82	-2,415.80	146.90	2,419.19	0.48	0.03	-0.48
12,732.00	87.45	179.28	10,368.59	-2,509.72	147.79	2,513.09	0.66	-0.54	-0.38
12,826.00	87.51	179.51	10,372.72	-2,603.62	148.78	2,606.98	0.25	0.06	0.24
12,920.00	89.05	180.88	10,375.54	-2,697.58	148.46	2,700.88	2.19	1.64	1.46
13,014.00	90.22	180.76	10,376.14	-2,791.56	147.11	2,794.78	1.25	1.24	-0.13
13,108.00	90.64	180.55	10,375.43	-2,885.55	146.04	2,888.69	0.50	0.45	-0.22
13,202.00	90.11	180.60	10,374.82	-2,979.55	145.09	2,982.61	0.57	-0.56	0.05
13,296.00	90.11	180.17	10,374.64	-3,073.54	144.46	3,076.54	0.46	0.00	-0.46
13,390.00	89.75	179.23	10,374.75	-3,167.54	144.95	3,170.51	1.07	-0.38	-1.00
13,484.00	89.33	178.55	10,375.51	-3,261.52	146.77	3,264.50	0.85	-0.45	-0.72
13,578.00	89.38	179.36	10,376.57	-3,355.50	148.49	3,358.49	0.86	0.05	0.86
13,672.00	90.00	179.18	10,377.07	-3,449.49	149.69	3,452.47	0.69	0.66	-0.19
13,766.00	89.72	178.48	10,377.30	-3,543.47	151.61	3,546.46	0.80	-0.30	-0.74
13,860.00	88.77	177.83	10,378.54	-3,637.41	154.63	3,640.45	1.22	-1.01	-0.69
13,954.00	88.28	179.97	10,380.96	-3,731.36	156.44	3,734.41	2.33	-0.52	2.28
14,048.00	87.81	179.66	10,384.17	-3,825.30	156.74	3,828.32	0.60	-0.50	-0.33
14,142.00	87.33	179.08	10,388.15	-3,919.21	157.77	3,922.21	0.80	-0.51	-0.62
14,236.00	89.04	179.58	10,391.13	-4,013.15	158.87	4,016.15	1.90	1.82	0.53
14,330.00	89.35	179.03	10,392.45	-4,107.13	160.01	4,110.12	0.67	0.33	-0.59

Company:	Centennial Resource Development, Inc.	Local Co-ordinate Reference:	Well 301H
Project:	Lea Co., NM (NAD83)	TVD Reference:	KB=25' @ 3550.00usft (H&P 650)
Site:	Raider Federal	MD Reference:	KB=25' @ 3550.00usft (H&P 650)
Well:	301H	North Reference:	True
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14 Single User Db

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)	
14,424.00	88.87	178.90	10,393.91	-4,201.11	161.71	4,204.10	0.53	-0.51	-0.14	
14,518.00	88.87	178.72	10,395.77	-4,295.07	163.66	4,298.08	0.19	0.00	-0.19	
14,612.00	88.62	180.42	10,397.82	-4,389.04	164.37	4,392.02	1.83	-0.27	1.81	
14,706.00	87.36	179.15	10,401.12	-4,482.98	164.72	4,485.93	1.90	-1.34	-1.35	
14,800.00	87.75	179.12	10,405.13	-4,576.88	166.14	4,579.83	0.42	0.41	-0.03	
14,894.00	89.63	180.65	10,407.28	-4,670.85	166.32	4,673.76	2.58	2.00	1.63	
14,988.00	89.37	180.54	10,408.10	-4,764.84	165.35	4,767.68	0.30	-0.28	-0.12	
15,000.00	89.48	180.63	10,408.22	-4,776.84	165.22	4,779.67	1.18	0.92	0.75	
Last MWD Survey										
15,060.00	89.48	180.63	10,408.77	-4,836.83	164.57	4,839.61	0.00	0.00	0.00	
PTB @ 15060'										

Design Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment	
		+N/-S (usft)	+E/-W (usft)		
1,428.00	1,427.95	-2.44	3.04	First MWD Survey	
15,000.00	10,408.22	-4,776.84	165.22	Last MWD Survey	
15,060.00	10,408.77	-4,836.83	164.57	PTB @ 15060'	

Checked By: _____ Approved By: _____ Date: _____