



Centennial Resource Development, Inc.

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

OH

Plan: Plan #1

Standard Planning Report

31 July, 2018



Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well 301H
Company:	Centennial Resource Development, Inc.	TVD Reference:	KB=25' @ 3550.00usft (H&P 650)
Project:	Lea Co., NM (NAD83)	MD Reference:	KB=25' @ 3550.00usft (H&P 650)
Site:	Raider Federal	North Reference:	True
Well:	301H	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	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:		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	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	178.23

Plan Survey Tool Program	Date	07/31/18		
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.00	14,904.91 Plan #1 (OH)	MWD+IFR1+MS	
			OWSG MWD + IFR1 + Multi-SI	

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	
3,000.00	0.00	0.00	3,000.00	0.00	0.00	0.00	0.00	0.00	0.00	
3,249.99	2.50	64.69	3,249.91	2.33	4.93	1.00	1.00	0.00	64.69	
6,753.51	2.50	64.69	6,750.09	67.67	143.07	0.00	0.00	0.00	0.00	
7,003.49	0.00	0.00	7,000.00	70.00	148.00	1.00	-1.00	0.00	180.00	
9,730.54	0.00	0.00	9,727.04	70.00	148.00	0.00	0.00	0.00	0.00	
10,630.54	90.00	180.00	10,300.00	-502.96	147.99	10.00	10.00	0.00	180.00	
14,904.91	90.00	180.00	10,300.00	-4,777.33	147.92	0.00	0.00	0.00	0.00	Rader Fed 301H PBH

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Project:	Lea Co., NM (NAD83)	MD Reference:	KB=25' @ 3550.00usft (H&P 650)
Site:	Raider Federal	North Reference:	True
Well:	301H	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
Build 1°/100'									
3,100.00	1.00	64.69	3,099.99	0.37	0.79	-0.35	1.00	1.00	0.00
3,200.00	2.00	64.69	3,199.96	1.49	3.16	-1.39	1.00	1.00	0.00
3,249.99	2.50	64.69	3,249.91	2.33	4.93	-2.18	1.00	1.00	0.00
3503' Hold									
3,300.00	2.50	64.69	3,299.87	3.26	6.90	-3.05	0.00	0.00	0.00
3,400.00	2.50	64.69	3,399.78	5.13	10.84	-4.79	0.00	0.00	0.00
3,500.00	2.50	64.69	3,499.68	6.99	14.79	-6.53	0.00	0.00	0.00
3,600.00	2.50	64.69	3,599.59	8.86	18.73	-8.27	0.00	0.00	0.00
3,700.00	2.50	64.69	3,699.49	10.72	22.67	-10.02	0.00	0.00	0.00
3,800.00	2.50	64.69	3,799.40	12.59	26.62	-11.76	0.00	0.00	0.00
3,900.00	2.50	64.69	3,899.30	14.45	30.56	-13.50	0.00	0.00	0.00
4,000.00	2.50	64.69	3,999.21	16.32	34.50	-15.24	0.00	0.00	0.00
4,100.00	2.50	64.69	4,099.11	18.18	38.44	-16.98	0.00	0.00	0.00
4,200.00	2.50	64.69	4,199.02	20.05	42.39	-18.73	0.00	0.00	0.00
4,300.00	2.50	64.69	4,298.92	21.91	46.33	-20.47	0.00	0.00	0.00
4,400.00	2.50	64.69	4,398.83	23.78	50.27	-22.21	0.00	0.00	0.00
4,500.00	2.50	64.69	4,498.73	25.64	54.22	-23.95	0.00	0.00	0.00
4,600.00	2.50	64.69	4,598.64	27.51	58.16	-25.69	0.00	0.00	0.00
4,700.00	2.50	64.69	4,698.54	29.37	62.10	-27.44	0.00	0.00	0.00
4,800.00	2.50	64.69	4,798.45	31.24	66.05	-29.18	0.00	0.00	0.00
4,900.00	2.50	64.69	4,898.35	33.10	69.99	-30.92	0.00	0.00	0.00

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MD Reference: KB=25' @ 3550.00usft (H&P 650)
North Reference: True
Survey Calculation Method: Minimum Curvature

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	2.50	64.69	4,998.26	34.97	73.93	-32.66	0.00	0.00	0.00
5,100.00	2.50	64.69	5,098.16	36.83	77.87	-34.40	0.00	0.00	0.00
5,200.00	2.50	64.69	5,198.07	38.70	81.82	-36.15	0.00	0.00	0.00
5,300.00	2.50	64.69	5,297.97	40.56	85.76	-37.89	0.00	0.00	0.00
5,400.00	2.50	64.69	5,397.87	42.43	89.70	-39.63	0.00	0.00	0.00
5,500.00	2.50	64.69	5,497.78	44.29	93.65	-41.37	0.00	0.00	0.00
5,600.00	2.50	64.69	5,597.68	46.16	97.59	-43.11	0.00	0.00	0.00
5,700.00	2.50	64.69	5,697.59	48.02	101.53	-44.86	0.00	0.00	0.00
5,800.00	2.50	64.69	5,797.49	49.89	105.47	-46.60	0.00	0.00	0.00
5,900.00	2.50	64.69	5,897.40	51.75	109.42	-48.34	0.00	0.00	0.00
6,000.00	2.50	64.69	5,997.30	53.62	113.36	-50.08	0.00	0.00	0.00
6,100.00	2.50	64.69	6,097.21	55.48	117.30	-51.82	0.00	0.00	0.00
6,200.00	2.50	64.69	6,197.11	57.35	121.25	-53.57	0.00	0.00	0.00
6,300.00	2.50	64.69	6,297.02	59.21	125.19	-55.31	0.00	0.00	0.00
6,400.00	2.50	64.69	6,396.92	61.08	129.13	-57.05	0.00	0.00	0.00
6,500.00	2.50	64.69	6,496.83	62.94	133.08	-58.79	0.00	0.00	0.00
6,600.00	2.50	64.69	6,596.73	64.81	137.02	-60.53	0.00	0.00	0.00
6,700.00	2.50	64.69	6,696.64	66.67	140.96	-62.28	0.00	0.00	0.00
6,753.51	2.50	64.69	6,750.09	67.67	143.07	-63.21	0.00	0.00	0.00
Drop 1°/100									
6,800.00	2.03	64.69	6,796.55	68.46	144.73	-63.94	1.00	-1.00	0.00
6,900.00	1.03	64.69	6,896.51	69.60	147.16	-65.01	1.00	-1.00	0.00
7,003.49	0.00	0.00	7,000.00	70.00	148.00	-65.39	1.00	-1.00	0.00
2727' Hold									
7,100.00	0.00	0.00	7,096.51	70.00	148.00	-65.39	0.00	0.00	0.00
7,200.00	0.00	0.00	7,196.51	70.00	148.00	-65.39	0.00	0.00	0.00
7,300.00	0.00	0.00	7,296.51	70.00	148.00	-65.39	0.00	0.00	0.00
7,400.00	0.00	0.00	7,396.51	70.00	148.00	-65.39	0.00	0.00	0.00
7,500.00	0.00	0.00	7,496.51	70.00	148.00	-65.39	0.00	0.00	0.00
7,600.00	0.00	0.00	7,596.51	70.00	148.00	-65.39	0.00	0.00	0.00
7,700.00	0.00	0.00	7,696.51	70.00	148.00	-65.39	0.00	0.00	0.00
7,800.00	0.00	0.00	7,796.51	70.00	148.00	-65.39	0.00	0.00	0.00
7,900.00	0.00	0.00	7,896.51	70.00	148.00	-65.39	0.00	0.00	0.00
8,000.00	0.00	0.00	7,996.51	70.00	148.00	-65.39	0.00	0.00	0.00
8,100.00	0.00	0.00	8,096.51	70.00	148.00	-65.39	0.00	0.00	0.00
8,200.00	0.00	0.00	8,196.51	70.00	148.00	-65.39	0.00	0.00	0.00
8,300.00	0.00	0.00	8,296.51	70.00	148.00	-65.39	0.00	0.00	0.00
8,400.00	0.00	0.00	8,396.51	70.00	148.00	-65.39	0.00	0.00	0.00
8,500.00	0.00	0.00	8,496.51	70.00	148.00	-65.39	0.00	0.00	0.00
8,600.00	0.00	0.00	8,596.51	70.00	148.00	-65.39	0.00	0.00	0.00
8,700.00	0.00	0.00	8,696.51	70.00	148.00	-65.39	0.00	0.00	0.00
8,800.00	0.00	0.00	8,796.51	70.00	148.00	-65.39	0.00	0.00	0.00
8,900.00	0.00	0.00	8,896.51	70.00	148.00	-65.39	0.00	0.00	0.00
9,000.00	0.00	0.00	8,996.51	70.00	148.00	-65.39	0.00	0.00	0.00
9,100.00	0.00	0.00	9,096.51	70.00	148.00	-65.39	0.00	0.00	0.00
9,200.00	0.00	0.00	9,196.51	70.00	148.00	-65.39	0.00	0.00	0.00
9,300.00	0.00	0.00	9,296.51	70.00	148.00	-65.39	0.00	0.00	0.00
9,400.00	0.00	0.00	9,396.51	70.00	148.00	-65.39	0.00	0.00	0.00
9,500.00	0.00	0.00	9,496.51	70.00	148.00	-65.39	0.00	0.00	0.00
9,600.00	0.00	0.00	9,596.51	70.00	148.00	-65.39	0.00	0.00	0.00
9,700.00	0.00	0.00	9,696.51	70.00	148.00	-65.39	0.00	0.00	0.00
9,730.54	0.00	0.00	9,727.04	70.00	148.00	-65.39	0.00	0.00	0.00
Build 10°/100'									

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Site: Raider Federal
Well: 301H
Wellbore: OH
Design: Plan #1

Local Co-ordinate Reference: Well 301H
TVD Reference: KB=25' @ 3550.00usft (H&P 650)
MD Reference: KB=25' @ 3550.00usft (H&P 650)
North Reference: True
Survey Calculation Method: Minimum Curvature

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)
9,750.00	1.95	180.00	9,746.50	69.67	148.00	-65.06	10.00	10.00	0.00
9,800.00	6.95	180.00	9,796.34	65.79	148.00	-61.18	10.00	10.00	0.00
9,850.00	11.95	180.00	9,845.64	57.59	148.00	-52.98	10.00	10.00	0.00
9,900.00	16.95	180.00	9,894.05	45.12	148.00	-40.52	10.00	10.00	0.00
9,950.00	21.95	180.00	9,941.18	28.48	148.00	-23.89	10.00	10.00	0.00
10,000.00	26.95	180.00	9,986.68	7.79	148.00	-3.21	10.00	10.00	0.00
10,050.00	31.95	180.00	10,030.21	-16.78	148.00	21.35	10.00	10.00	0.00
10,100.00	36.95	180.00	10,071.43	-45.05	148.00	49.61	10.00	10.00	0.00
10,150.00	41.95	180.00	10,110.03	-76.81	148.00	81.35	10.00	10.00	0.00
10,200.00	46.95	180.00	10,145.71	-111.81	148.00	116.34	10.00	10.00	0.00
10,250.00	51.95	180.00	10,178.21	-149.79	148.00	154.30	10.00	10.00	0.00
10,300.00	56.95	180.00	10,207.27	-190.45	148.00	194.94	10.00	10.00	0.00
10,350.00	61.95	180.00	10,232.68	-233.50	148.00	237.97	10.00	10.00	0.00
10,400.00	66.95	180.00	10,254.24	-278.59	147.99	283.04	10.00	10.00	0.00
10,450.00	71.95	180.00	10,271.79	-325.40	147.99	329.82	10.00	10.00	0.00
10,500.00	76.95	180.00	10,285.19	-373.55	147.99	377.95	10.00	10.00	0.00
10,550.00	81.95	180.00	10,294.35	-422.69	147.99	427.07	10.00	10.00	0.00
10,600.00	86.95	180.00	10,299.19	-472.44	147.99	476.79	10.00	10.00	0.00
10,630.54	90.00	180.00	10,300.00	-502.96	147.99	507.30	10.00	10.00	0.00
4274' Hold									
10,700.00	90.00	180.00	10,300.00	-572.42	147.99	576.73	0.00	0.00	0.00
10,800.00	90.00	180.00	10,300.00	-672.42	147.99	676.68	0.00	0.00	0.00
10,900.00	90.00	180.00	10,300.00	-772.42	147.99	776.63	0.00	0.00	0.00
11,000.00	90.00	180.00	10,300.00	-872.42	147.99	876.58	0.00	0.00	0.00
11,100.00	90.00	180.00	10,300.00	-972.42	147.98	976.54	0.00	0.00	0.00
11,200.00	90.00	180.00	10,300.00	-1,072.42	147.98	1,076.49	0.00	0.00	0.00
11,300.00	90.00	180.00	10,300.00	-1,172.42	147.98	1,176.44	0.00	0.00	0.00
11,400.00	90.00	180.00	10,300.00	-1,272.42	147.98	1,276.39	0.00	0.00	0.00
11,500.00	90.00	180.00	10,300.00	-1,372.42	147.98	1,376.35	0.00	0.00	0.00
11,600.00	90.00	180.00	10,300.00	-1,472.42	147.98	1,476.30	0.00	0.00	0.00
11,700.00	90.00	180.00	10,300.00	-1,572.42	147.97	1,576.25	0.00	0.00	0.00
11,800.00	90.00	180.00	10,300.00	-1,672.42	147.97	1,676.20	0.00	0.00	0.00
11,900.00	90.00	180.00	10,300.00	-1,772.42	147.97	1,776.15	0.00	0.00	0.00
12,000.00	90.00	180.00	10,300.00	-1,872.42	147.97	1,876.11	0.00	0.00	0.00
12,100.00	90.00	180.00	10,300.00	-1,972.42	147.97	1,976.06	0.00	0.00	0.00
12,200.00	90.00	180.00	10,300.00	-2,072.42	147.97	2,076.01	0.00	0.00	0.00
12,300.00	90.00	180.00	10,300.00	-2,172.42	147.96	2,175.96	0.00	0.00	0.00
12,400.00	90.00	180.00	10,300.00	-2,272.42	147.96	2,275.91	0.00	0.00	0.00
12,500.00	90.00	180.00	10,300.00	-2,372.42	147.96	2,375.87	0.00	0.00	0.00
12,600.00	90.00	180.00	10,300.00	-2,472.42	147.96	2,475.82	0.00	0.00	0.00
12,700.00	90.00	180.00	10,300.00	-2,572.42	147.96	2,575.77	0.00	0.00	0.00
12,800.00	90.00	180.00	10,300.00	-2,672.42	147.96	2,675.72	0.00	0.00	0.00
12,900.00	90.00	180.00	10,300.00	-2,772.42	147.95	2,775.67	0.00	0.00	0.00
13,000.00	90.00	180.00	10,300.00	-2,872.42	147.95	2,875.63	0.00	0.00	0.00
13,100.00	90.00	180.00	10,300.00	-2,972.42	147.95	2,975.58	0.00	0.00	0.00
13,200.00	90.00	180.00	10,300.00	-3,072.42	147.95	3,075.53	0.00	0.00	0.00
13,300.00	90.00	180.00	10,300.00	-3,172.42	147.95	3,175.48	0.00	0.00	0.00
13,400.00	90.00	180.00	10,300.00	-3,272.42	147.95	3,275.43	0.00	0.00	0.00
13,500.00	90.00	180.00	10,300.00	-3,372.42	147.95	3,375.39	0.00	0.00	0.00
13,600.00	90.00	180.00	10,300.00	-3,472.42	147.94	3,475.34	0.00	0.00	0.00
13,700.00	90.00	180.00	10,300.00	-3,572.42	147.94	3,575.29	0.00	0.00	0.00
13,800.00	90.00	180.00	10,300.00	-3,672.42	147.94	3,675.24	0.00	0.00	0.00
13,900.00	90.00	180.00	10,300.00	-3,772.42	147.94	3,775.19	0.00	0.00	0.00
14,000.00	90.00	180.00	10,300.00	-3,872.42	147.94	3,875.15	0.00	0.00	0.00

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well 301H
Company:	Centennial Resource Development, Inc.	TVD Reference:	KB=25' @ 3550.00usft (H&P 650)
Project:	Lea Co., NM (NAD83)	MD Reference:	KB=25' @ 3550.00usft (H&P 650)
Site:	Raider Federal	North Reference:	True
Well:	301H	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)
14,100.00	90.00	180.00	10,300.00	-3,972.42	147.94	3,975.10	0.00	0.00	0.00
14,200.00	90.00	180.00	10,300.00	-4,072.42	147.93	4,075.05	0.00	0.00	0.00
14,300.00	90.00	180.00	10,300.00	-4,172.42	147.93	4,175.00	0.00	0.00	0.00
14,400.00	90.00	180.00	10,300.00	-4,272.42	147.93	4,274.95	0.00	0.00	0.00
14,500.00	90.00	180.00	10,300.00	-4,372.42	147.93	4,374.91	0.00	0.00	0.00
14,600.00	90.00	180.00	10,300.00	-4,472.42	147.93	4,474.86	0.00	0.00	0.00
14,700.00	90.00	180.00	10,300.00	-4,572.42	147.93	4,574.81	0.00	0.00	0.00
14,800.00	90.00	180.00	10,300.00	-4,672.42	147.92	4,674.76	0.00	0.00	0.00
14,904.91	90.00	180.00	10,300.00	-4,777.33	147.92	4,779.62	0.00	0.00	0.00
TD at 14904.91									

Design Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
- hit/miss target									
- Shape									
Rader Fed 301H PBHL	0.00	0.00	10,300.00	-4,777.33	147.92	436,128.10	807,206.10	32.196073	-103.473840
- plan hits target center									
- Point									

Plan Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
3,000.00	3,000.00	0.00	0.00	Build 1°/100'	
3,249.99	3,249.91	2.33	4.93	3503' Hold	
6,753.51	6,750.09	67.67	143.07	Drop 1°/100	
7,003.49	7,000.00	70.00	148.00	2727' Hold	
9,730.54	9,727.04	70.00	148.00	Build 10°/100'	
10,630.54	10,300.00	-502.96	147.99	4274' Hold	
14,904.91	10,300.00	-4,777.33	147.92	TD at 14904.91	



Project: Lea Co., NM (NAD83)
Site: Raider Federal
Well: 301H
Wellbore: OH
Design: Plan #1
Lat: 32.209204
Long: -103.474318
GL: 3525.00
KB: KB=25' @ 3550.00ufh (H&P 650)



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 PBHL	10300.00	-4777.33	147.92	436128.10	807206.10	Point

SECTION DETAILS

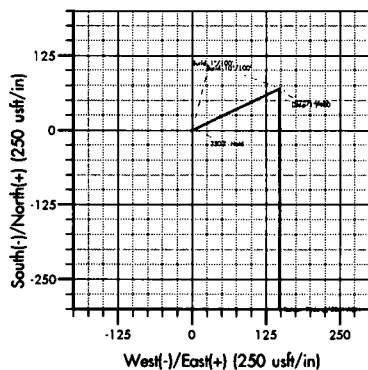
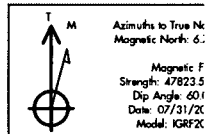
MD	Inc	Azi	TVD	+N/-S	+E/-W	Dflag	Tface	VSect	Annotation
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
3000.00	0.00	0.00	3000.00	0.00	0.00	0.00	0.00	0.00	Build 1°/100'
3249.99	2.50	64.69	3249.91	2.33	4.93	1.00	64.69	-2.18	3503' Hold
6753.51	2.50	64.69	6750.09	67.67	143.07	0.00	0.00	-63.21	Drop 1°/100
7003.49	0.00	0.00	7000.00	70.00	148.00	1.00	180.00	-65.39	2727' Hold
9730.54	0.00	0.00	9727.04	70.00	148.00	0.00	0.00	-65.39	Build 10°/100'
10630.54	90.00	180.00	10300.00	-502.96	147.99	10.00	180.00	507.30	4274' Hold
14904.91	90.00	180.00	10300.00	-4777.33	147.92	0.00	0.00	4779.62	TD at 14904.91

Formation Tops

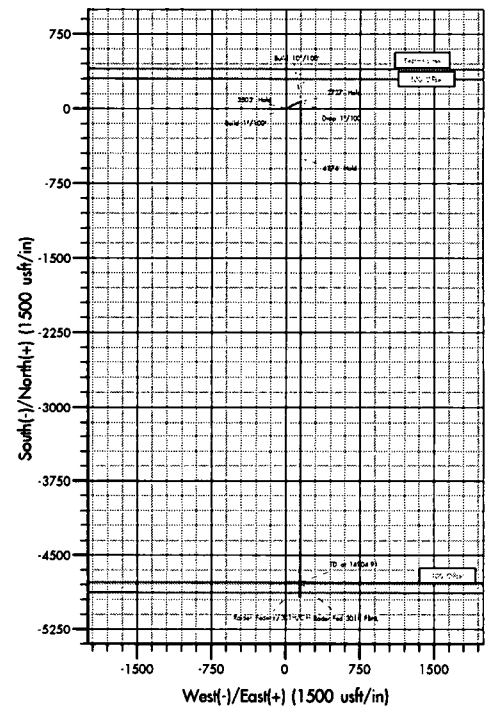
No formation data is available

CASING DETAILS

No casing data is available



Vertical Section at 178.23° (1500 usf/in)



Plan: Plan #1 (301H/OH)

Created By: Darryl Meyer Date: 17.10. July 31 2018