



BC Operating, Inc.

Lea County, NM (NAD27 NME)

Rusty Anchor 7 Federal COM

#4H

OH

Plan: Plan #2 08-27-15

Standard Planning Report

27 August, 2015



Database:	Compass 5000 GCR	Local Co-ordinate Reference:	Well #4H
Company:	BC Operating, Inc.	TVD Reference:	KB: 25' @ 3553.00usft (Planning)
Project:	Lea County, NM (NAD27 NME)	MD Reference:	KB: 25' @ 3553.00usft (Planning)
Site:	Rusty Anchor 7 Federal COM	North Reference:	Grid
Well:	#4H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #2 08-27-15		

Project	Lea County, NM (NAD27 NME)		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		

Site	Rusty Anchor 7 Federal COM		
Site Position:		Northing:	574,866.71 usft
From:	Map	Easting:	694,542.68 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 34' 43.78019 N
		Longitude:	103° 42' 6.37667 W
		Grid Convergence:	0.34 °

Well	#4H		
Well Position	+N/-S	-75.17 usft	Northing:
	+E/-W	98.24 usft	Easting:
Position Uncertainty	0.00 usft	Wellhead Elevation:	0.00 usft
		Latitude:	32° 34' 43.03059 N
		Longitude:	103° 42' 5.23381 W
		Ground Level:	3,528.00 usft

Wellbore	OH		
Magnetics	Model Name	Sample Date	Declination (°)
	HDGM	8/26/2015	7.18
			Dip Angle (°)
			60.58
			Field Strength (nT)
			48,606

Design	Plan #2 08-27-15		
Audit Notes:			
Version:	Phase:	PLAN	Tie On Depth:
			0.00
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W
	(usft)	(usft)	(usft)
	0.00	0.00	0.00
			Direction (°)
			7.49

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	
8,732.71	0.00	0.00	8,732.71	0.00	0.00	0.00	0.00	0.00	0.00	
9,482.71	60.00	87.10	9,352.96	18.12	357.64	8.00	8.00	0.00	87.10	
11,545.20	90.00	359.81	10,000.00	1,368.89	1,472.55	4.25	1.45	-4.23	-88.65	
21,132.52	90.00	359.81	10,000.00	10,956.15	1,440.23	0.00	0.00	0.00	0.00	BHL(Rusty Anchor #4

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Company: BC Operating, Inc.
Project: Lea County, NM (NAD27 NME)
Site: Rusty Anchor 7 Federal COM
Well: #4H
Wellbore: OH
Design: Plan #2 08-27-15

Local Co-ordinate Reference:
TVD Reference:
MD Reference:
North Reference:
Survey Calculation Method:

Well #4H
KB: 25' @ 3553.00usft (Planning)
KB: 25' @ 3553.00usft (Planning)
Grid
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)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8,732.71	0.00	0.00	8,732.71	0.00	0.00	0.00	0.00	0.00	0.00
KOP, Start 8°/100' Build									
8,800.00	5.38	87.10	8,799.90	0.16	3.15	0.57	8.00	8.00	0.00
8,900.00	13.38	87.10	8,898.48	0.98	19.42	3.51	8.00	8.00	0.00
9,000.00	21.38	87.10	8,993.84	2.49	49.24	8.89	8.00	8.00	0.00
9,100.00	29.38	87.10	9,084.11	4.66	92.02	16.61	8.00	8.00	0.00
9,200.00	37.38	87.10	9,167.54	7.44	146.92	26.53	8.00	8.00	0.00
9,300.00	45.38	87.10	9,242.51	10.78	212.89	38.44	8.00	8.00	0.00
9,400.00	53.38	87.10	9,307.56	14.62	288.64	52.12	8.00	8.00	0.00
9,482.71	60.00	87.10	9,352.96	18.12	357.64	64.57	8.00	8.00	0.00
Begin 4.25°/100' Build & Turn									
9,500.00	60.02	86.25	9,361.60	18.99	372.59	67.38	4.25	0.12	-4.91
9,600.00	60.24	81.36	9,411.42	28.34	458.76	87.89	4.25	0.22	-4.89
9,700.00	60.64	76.49	9,460.77	45.05	544.09	115.58	4.25	0.40	-4.86
9,800.00	61.22	71.67	9,509.38	69.02	628.10	150.29	4.25	0.58	-4.82
9,900.00	61.97	66.92	9,556.97	100.12	710.34	191.84	4.25	0.75	-4.76
10,000.00	62.87	62.23	9,603.29	138.17	790.35	240.00	4.25	0.91	-4.68
10,100.00	63.93	57.63	9,648.09	182.97	867.70	294.50	4.25	1.06	-4.60
10,200.00	65.13	53.11	9,691.10	234.27	941.95	355.03	4.25	1.20	-4.52
10,300.00	66.47	48.69	9,732.11	291.78	1,012.70	421.28	4.25	1.34	-4.42
10,400.00	67.93	44.36	9,770.88	355.20	1,079.56	492.87	4.25	1.46	-4.33
10,500.00	69.50	40.12	9,807.20	424.17	1,142.16	569.42	4.25	1.57	-4.24
10,600.00	71.17	35.97	9,840.86	498.32	1,200.17	650.49	4.25	1.67	-4.15
10,700.00	72.93	31.90	9,871.70	577.23	1,253.25	735.65	4.25	1.76	-4.07
10,800.00	74.77	27.91	9,899.53	660.48	1,301.11	824.42	4.25	1.84	-3.99
10,900.00	76.68	24.00	9,924.20	747.60	1,343.50	916.32	4.25	1.91	-3.92
11,000.00	78.64	20.14	9,945.58	838.11	1,380.18	1,010.85	4.25	1.97	-3.86
11,100.00	80.66	16.34	9,963.54	931.52	1,410.96	1,107.47	4.25	2.02	-3.80
11,126.86	81.21	15.32	9,967.77	957.04	1,418.19	1,133.71	4.25	2.04	-3.77
FTP(Rusty Anchor #4H)									
11,200.00	82.72	12.58	9,978.00	1,027.32	1,435.64	1,205.67	4.25	2.06	-3.75
11,242.88	83.61	10.98	9,983.10	1,069.00	1,444.33	1,248.12	4.25	2.08	-3.73
HL Crossing @ 11242.88' MD									
11,300.00	84.81	8.85	9,988.87	1,124.97	1,454.12	1,304.90	4.25	2.09	-3.72
11,400.00	86.92	5.15	9,996.09	1,223.95	1,466.27	1,404.61	4.25	2.11	-3.70
11,500.00	89.04	1.47	9,999.62	1,323.69	1,472.05	1,504.26	4.25	2.12	-3.68
11,545.20	90.00	359.81	10,000.00	1,368.89	1,472.55	1,549.13	4.25	2.13	-3.68
LP, Begin 90° Inc Hold, 359.81° Azm									
11,600.00	90.00	359.81	10,000.00	1,423.69	1,472.36	1,603.44	0.00	0.00	0.00
11,700.00	90.00	359.81	10,000.00	1,523.69	1,472.03	1,702.54	0.00	0.00	0.00
11,800.00	90.00	359.81	10,000.00	1,623.69	1,471.69	1,801.65	0.00	0.00	0.00
11,900.00	90.00	359.81	10,000.00	1,723.68	1,471.35	1,900.75	0.00	0.00	0.00
12,000.00	90.00	359.81	10,000.00	1,823.68	1,471.02	1,999.85	0.00	0.00	0.00
12,100.00	90.00	359.81	10,000.00	1,923.68	1,470.68	2,098.95	0.00	0.00	0.00
12,200.00	90.00	359.81	10,000.00	2,023.68	1,470.34	2,198.06	0.00	0.00	0.00
12,300.00	90.00	359.81	10,000.00	2,123.68	1,470.01	2,297.16	0.00	0.00	0.00
12,400.00	90.00	359.81	10,000.00	2,223.68	1,469.67	2,396.26	0.00	0.00	0.00
12,500.00	90.00	359.81	10,000.00	2,323.68	1,469.33	2,495.36	0.00	0.00	0.00
12,600.00	90.00	359.81	10,000.00	2,423.68	1,468.99	2,594.47	0.00	0.00	0.00
12,700.00	90.00	359.81	10,000.00	2,523.68	1,468.66	2,693.57	0.00	0.00	0.00
12,800.00	90.00	359.81	10,000.00	2,623.68	1,468.32	2,792.67	0.00	0.00	0.00
12,900.00	90.00	359.81	10,000.00	2,723.68	1,467.98	2,891.77	0.00	0.00	0.00
13,000.00	90.00	359.81	10,000.00	2,823.68	1,467.65	2,990.88	0.00	0.00	0.00

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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)
13,100.00	90.00	359.81	10,000.00	2,923.68	1,467.31	3,089.98	0.00	0.00	0.00
13,200.00	90.00	359.81	10,000.00	3,023.68	1,466.97	3,189.08	0.00	0.00	0.00
13,300.00	90.00	359.81	10,000.00	3,123.68	1,466.63	3,288.18	0.00	0.00	0.00
13,400.00	90.00	359.81	10,000.00	3,223.68	1,466.30	3,387.29	0.00	0.00	0.00
13,500.00	90.00	359.81	10,000.00	3,323.68	1,465.96	3,486.39	0.00	0.00	0.00
13,600.00	90.00	359.81	10,000.00	3,423.68	1,465.62	3,585.49	0.00	0.00	0.00
13,700.00	90.00	359.81	10,000.00	3,523.67	1,465.29	3,684.59	0.00	0.00	0.00
13,800.00	90.00	359.81	10,000.00	3,623.67	1,464.95	3,783.70	0.00	0.00	0.00
13,900.00	90.00	359.81	10,000.00	3,723.67	1,464.61	3,882.80	0.00	0.00	0.00
14,000.00	90.00	359.81	10,000.00	3,823.67	1,464.27	3,981.90	0.00	0.00	0.00
14,100.00	90.00	359.81	10,000.00	3,923.67	1,463.94	4,081.00	0.00	0.00	0.00
14,200.00	90.00	359.81	10,000.00	4,023.67	1,463.60	4,180.11	0.00	0.00	0.00
14,300.00	90.00	359.81	10,000.00	4,123.67	1,463.26	4,279.21	0.00	0.00	0.00
14,400.00	90.00	359.81	10,000.00	4,223.67	1,462.93	4,378.31	0.00	0.00	0.00
14,500.00	90.00	359.81	10,000.00	4,323.67	1,462.59	4,477.41	0.00	0.00	0.00
14,600.00	90.00	359.81	10,000.00	4,423.67	1,462.25	4,576.52	0.00	0.00	0.00
14,700.00	90.00	359.81	10,000.00	4,523.67	1,461.91	4,675.62	0.00	0.00	0.00
14,800.00	90.00	359.81	10,000.00	4,623.67	1,461.58	4,774.72	0.00	0.00	0.00
14,900.00	90.00	359.81	10,000.00	4,723.67	1,461.24	4,873.82	0.00	0.00	0.00
15,000.00	90.00	359.81	10,000.00	4,823.67	1,460.90	4,972.93	0.00	0.00	0.00
15,100.00	90.00	359.81	10,000.00	4,923.67	1,460.57	5,072.03	0.00	0.00	0.00
15,200.00	90.00	359.81	10,000.00	5,023.67	1,460.23	5,171.13	0.00	0.00	0.00
15,300.00	90.00	359.81	10,000.00	5,123.67	1,459.89	5,270.23	0.00	0.00	0.00
15,400.00	90.00	359.81	10,000.00	5,223.67	1,459.55	5,369.34	0.00	0.00	0.00
15,500.00	90.00	359.81	10,000.00	5,323.66	1,459.22	5,468.44	0.00	0.00	0.00
15,600.00	90.00	359.81	10,000.00	5,423.66	1,458.88	5,567.54	0.00	0.00	0.00
15,700.00	90.00	359.81	10,000.00	5,523.66	1,458.54	5,666.64	0.00	0.00	0.00
15,800.00	90.00	359.81	10,000.00	5,623.66	1,458.21	5,765.75	0.00	0.00	0.00
15,900.00	90.00	359.81	10,000.00	5,723.66	1,457.87	5,864.85	0.00	0.00	0.00
16,000.00	90.00	359.81	10,000.00	5,823.66	1,457.53	5,963.95	0.00	0.00	0.00
16,100.00	90.00	359.81	10,000.00	5,923.66	1,457.20	6,063.05	0.00	0.00	0.00
16,200.00	90.00	359.81	10,000.00	6,023.66	1,456.86	6,162.16	0.00	0.00	0.00
16,300.00	90.00	359.81	10,000.00	6,123.66	1,456.52	6,261.26	0.00	0.00	0.00
16,400.00	90.00	359.81	10,000.00	6,223.66	1,456.18	6,360.36	0.00	0.00	0.00
16,500.00	90.00	359.81	10,000.00	6,323.66	1,455.85	6,459.46	0.00	0.00	0.00
16,600.00	90.00	359.81	10,000.00	6,423.66	1,455.51	6,558.57	0.00	0.00	0.00
16,700.00	90.00	359.81	10,000.00	6,523.66	1,455.17	6,657.67	0.00	0.00	0.00
16,800.00	90.00	359.81	10,000.00	6,623.66	1,454.84	6,756.77	0.00	0.00	0.00
16,900.00	90.00	359.81	10,000.00	6,723.66	1,454.50	6,855.87	0.00	0.00	0.00
17,000.00	90.00	359.81	10,000.00	6,823.66	1,454.16	6,954.98	0.00	0.00	0.00
17,100.00	90.00	359.81	10,000.00	6,923.66	1,453.82	7,054.08	0.00	0.00	0.00
17,200.00	90.00	359.81	10,000.00	7,023.65	1,453.49	7,153.18	0.00	0.00	0.00
17,300.00	90.00	359.81	10,000.00	7,123.65	1,453.15	7,252.28	0.00	0.00	0.00
17,400.00	90.00	359.81	10,000.00	7,223.65	1,452.81	7,351.39	0.00	0.00	0.00
17,500.00	90.00	359.81	10,000.00	7,323.65	1,452.48	7,450.49	0.00	0.00	0.00
17,600.00	90.00	359.81	10,000.00	7,423.65	1,452.14	7,549.59	0.00	0.00	0.00
17,700.00	90.00	359.81	10,000.00	7,523.65	1,451.80	7,648.69	0.00	0.00	0.00
17,800.00	90.00	359.81	10,000.00	7,623.65	1,451.46	7,747.80	0.00	0.00	0.00
17,900.00	90.00	359.81	10,000.00	7,723.65	1,451.13	7,846.90	0.00	0.00	0.00
18,000.00	90.00	359.81	10,000.00	7,823.65	1,450.79	7,946.00	0.00	0.00	0.00
18,100.00	90.00	359.81	10,000.00	7,923.65	1,450.45	8,045.11	0.00	0.00	0.00
18,200.00	90.00	359.81	10,000.00	8,023.65	1,450.12	8,144.21	0.00	0.00	0.00
18,300.00	90.00	359.81	10,000.00	8,123.65	1,449.78	8,243.31	0.00	0.00	0.00
18,400.00	90.00	359.81	10,000.00	8,223.65	1,449.44	8,342.41	0.00	0.00	0.00

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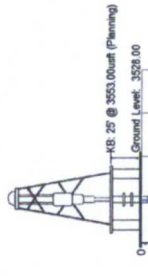
Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
18,500.00	90.00	359.81	10,000.00	8,323.65	1,449.10	8,441.52	0.00	0.00	0.00
18,600.00	90.00	359.81	10,000.00	8,423.65	1,448.77	8,540.62	0.00	0.00	0.00
18,700.00	90.00	359.81	10,000.00	8,523.65	1,448.43	8,639.72	0.00	0.00	0.00
18,800.00	90.00	359.81	10,000.00	8,623.65	1,448.09	8,738.82	0.00	0.00	0.00
18,900.00	90.00	359.81	10,000.00	8,723.65	1,447.76	8,837.93	0.00	0.00	0.00
19,000.00	90.00	359.81	10,000.00	8,823.64	1,447.42	8,937.03	0.00	0.00	0.00
19,100.00	90.00	359.81	10,000.00	8,923.64	1,447.08	9,036.13	0.00	0.00	0.00
19,200.00	90.00	359.81	10,000.00	9,023.64	1,446.74	9,135.23	0.00	0.00	0.00
19,300.00	90.00	359.81	10,000.00	9,123.64	1,446.41	9,234.34	0.00	0.00	0.00
19,400.00	90.00	359.81	10,000.00	9,223.64	1,446.07	9,333.44	0.00	0.00	0.00
19,500.00	90.00	359.81	10,000.00	9,323.64	1,445.73	9,432.54	0.00	0.00	0.00
19,600.00	90.00	359.81	10,000.00	9,423.64	1,445.40	9,531.64	0.00	0.00	0.00
19,700.00	90.00	359.81	10,000.00	9,523.64	1,445.06	9,630.75	0.00	0.00	0.00
19,800.00	90.00	359.81	10,000.00	9,623.64	1,444.72	9,729.85	0.00	0.00	0.00
19,900.00	90.00	359.81	10,000.00	9,723.64	1,444.38	9,828.95	0.00	0.00	0.00
20,000.00	90.00	359.81	10,000.00	9,823.64	1,444.05	9,928.05	0.00	0.00	0.00
20,100.00	90.00	359.81	10,000.00	9,923.64	1,443.71	10,027.16	0.00	0.00	0.00
20,200.00	90.00	359.81	10,000.00	10,023.64	1,443.37	10,126.26	0.00	0.00	0.00
20,300.00	90.00	359.81	10,000.00	10,123.64	1,443.04	10,225.36	0.00	0.00	0.00
20,400.00	90.00	359.81	10,000.00	10,223.64	1,442.70	10,324.46	0.00	0.00	0.00
20,500.00	90.00	359.81	10,000.00	10,323.64	1,442.36	10,423.57	0.00	0.00	0.00
20,600.00	90.00	359.81	10,000.00	10,423.64	1,442.03	10,522.67	0.00	0.00	0.00
20,700.00	90.00	359.81	10,000.00	10,523.64	1,441.69	10,621.77	0.00	0.00	0.00
20,800.00	90.00	359.81	10,000.00	10,623.63	1,441.35	10,720.87	0.00	0.00	0.00
20,900.00	90.00	359.81	10,000.00	10,723.63	1,441.01	10,819.98	0.00	0.00	0.00
21,000.00	90.00	359.81	10,000.00	10,823.63	1,440.68	10,919.08	0.00	0.00	0.00
21,042.52	90.00	359.81	10,000.00	10,866.15	1,440.53	10,961.22	0.00	0.00	0.00
HL Crossing @ 21042.52' MD - LTP(Rusty Anchor #4H)									
21,100.00	90.00	359.81	10,000.00	10,923.63	1,440.34	11,018.18	0.00	0.00	0.00
21,132.52	90.00	359.81	10,000.00	10,956.15	1,440.23	11,050.41	0.00	0.00	0.00
TD at 21132.52' MD - BHL(Rusty Anchor #4H)									

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									
LTP(Rusty Anchor #4H)	0.00	0.01	10,000.00	10,866.15	1,440.23	585,657.69	696,081.15	32° 36' 30.46819 N	103° 41' 47.64250 W
- plan misses target center by 0.30usft at 21042.52usft MD (10000.00 TVD, 10866.15 N, 1440.53 E)									
- Point									
BHL(Rusty Anchor #4H)	0.00	0.00	10,000.00	10,956.15	1,440.23	585,747.69	696,081.15	32° 36' 31.35875 N	103° 41' 47.63620 W
- plan hits target center									
- Point									
FTP(Rusty Anchor #4H)	0.00	0.01	10,000.00	938.02	1,473.13	575,729.56	696,114.05	32° 34' 52.22560 N	103° 41' 47.95268 W
- plan misses target center by 66.47usft at 11126.86usft MD (9967.77 TVD, 957.04 N, 1418.19 E)									
- Point									

Database: Compass 5000 GCR
Company: BC Operating, Inc.
Project: Lea County, NM (NAD27 NME)
Site: Rusty Anchor 7 Federal COM
Well: #4H
Wellbore: OH
Design: Plan #2 08-27-15

Local Co-ordinate Reference: Well #4H
TVD Reference: KB: 25' @ 3553.00usft (Planning)
MD Reference: KB: 25' @ 3553.00usft (Planning)
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Plan Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
8,732.71	8,732.71	0.00	0.00	KOP, Start 8°/100' Build
9,482.71	9,352.96	18.12	357.64	Begin 4.25°/100' Build & Turn
11,242.88	9,983.10	1,069.00	1,444.33	HL Crossing @ 11242.88' MD
11,545.20	10,000.00	1,368.89	1,472.55	LP, Begin 90° Inc Hold, 359.81° Azm
21,042.52	10,000.00	10,866.15	1,440.53	HL Crossing @ 21042.52' MD
21,132.52	10,000.00	10,956.15	1,440.23	TD at 21132.52' MD



WELL DETAILS			
Ground Level			3528.00
	North	East	32° 34'
			694640.92
	North		
			574791.54
+N+ S			
			0.00
+E+ W			
			0.00

SECTION DETAILS										
Sec	MD	Inc	Act	TYD	+NW.S	-EJW	Diag	TFace	Target	Annotation
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	LP: Start #7100 Build
2	8732.71	0.00	0.00	8732.71	0.00	0.00	0.00	0.00	0.00	LP: Start #7100 Build
3	8732.71	0.00	0.00	8732.71	0.00	0.00	0.00	0.00	0.00	LP: Start #7100 Build
4	11545.20	90.00	359.81	10000.00	1308.88	1477.55	4.25	-48.05	1549.14	LP: Start #7100 Build
5	21132.52	90.00	359.81	10000.00	10956.15	1440.23	0.00	0.00	1050.41	TD # 21132.52 MD

[illegible]

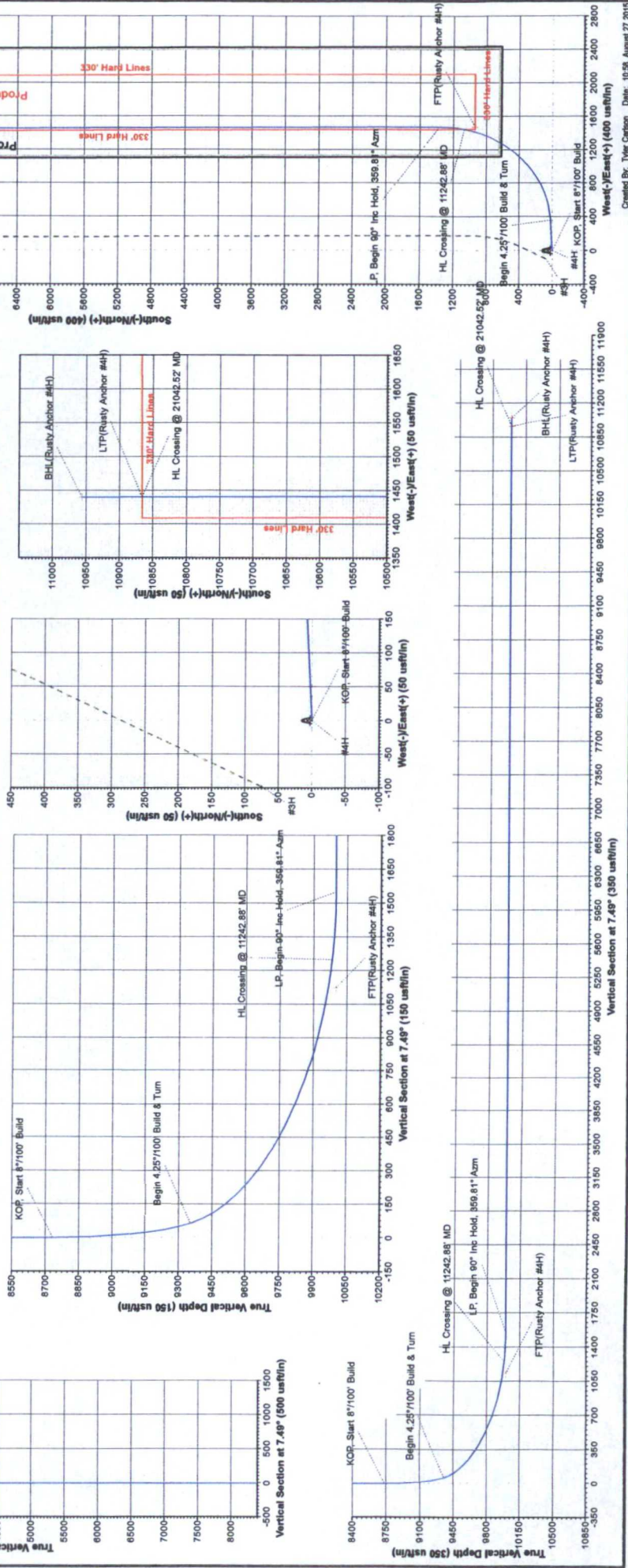
Map System: US State Plane 1027 (Exact solution)
 Datum: NAD 1983 (NADCON CONUS)
 Ellipsoid: Clarke 1866
 Zone Name: New Mexico East 3001
 Local Origin: Well #4H, Grid North
 Latitude: 32° 34' 43.03568 N
 Longitude: 105° 42' 5.23381 W
 Grid East: 694640.92
 Grid North: 574791.54
 Scale Factor: 1.000

Geomagnetic Model: IIGM
 Year: 2015
 Magnetic Declination: 7.18°
 Dip Angle from Horizontal: 60.58°
 Magnetic Field Strength: 48606

To convert a **Magnetic Direction** to a **Grid Direction**, Add 6.84°
 To convert a **Magnetic Direction** to a **True Direction**, Add 7.18° East
 To convert a **True Direction** to a **Grid Direction**, Subtract 0.34°

LEGEND

-- -- #3H, OH, Plan #2 08-27-15 VO
 ____ Plan #2 08-27-15



BC Operating, Inc. Closed Loop System

Design Plan

Equipment List

- 2 – 414 MI Swaco *Centrifuges*
- 2 – MI Swaco 4 screen *Moongoose Shale Shakers*
- 2 – double screen *Shakers* with rig inventory
- 2 – CRI *Haul off bins* with track system
- 2 – additional 500bbl *Frac tanks* for fresh and brine water
- 2 – 500bbl *water tanks* with rig inventory

**Equipment manufactures may vary due to availability but components will not.*

Operation and Maintenance

The system along with equipment will be inspected numerous times a day by each tour to make sure all equipment is operating correctly. Routine maintenance will be done to keep system running properly. Any leak in system will be repaired and/or contained immediately and the OCD notified within 48 hours of the remediation process start.

Closure Plan

While drilling, all cuttings and fluids associated with drilling will be hauled off and disposed of via Controlled Recovery Incorporated Facilities Permit NM01-0006.

Per Operator, See Email Conversation

BC Operating, Inc.

Rusty Anchor 7 Federal Com #3H

H2S Well Site Orientation - Drill Rig Orientation

SHL: 534' FNL & 2437' FEL, Unit Letter B

Sec. 18, T-20S, R-33E

• H2S Monitor:

Rig Floor, Shale Shakes
Mud Pits, Close Loop 166'

