

Submit 1 Copy To Appropriate District
Office
District I – (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
District II – (575) 748-1283
811 S. First St., Artesia, NM 88210
District III – (505) 334-6178
1000 Rio Brazos Rd., Aztec, NM 87410
District IV – (505) 476-3460
1220 S. St. Francis Dr., Santa Fe, NM
87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
Revised July 18, 2013

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

WELL API NO. 30-025-46258
5. Indicate Type of Lease STATE ☒ FEE ☐
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name Valor State Com
8. Well Number 801H
9. OGRID Number 229137
10. Pool name or Wildcat Bobcat Draw; Upper Wolfcamp 98094

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)	
1. Type of Well: Oil Well ☒ Gas Well ☐ Other	
2. Name of Operator COG Operating LLC	
3. Address of Operator 600 W. Illinois Ave., Midland, TX 79701	
4. Well Location Unit Letter <u>A</u> : <u>210</u> feet from the <u>North</u> line and <u>725</u> feet from the <u>East</u> line Section <u>35</u> Township <u>25S</u> Range <u>33E</u> NMPM County <u>Lea</u>	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3329' GR	

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☒	COMMENCE DRILLING OPNS. ☐	P AND A ☐
PULL OR ALTER CASING ☐	MULTIPLE COMPL ☐	CASING/CEMENT JOB ☐	
DOWNHOLE COMMINGLE ☐			
CLOSED-LOOP SYSTEM ☐			
OTHER: ☐		OTHER: ☐	

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

COG Operating LLC respectfully requests to change the BHL of this well

FROM: 2590' FNL 330' FEL, Sec 2, T26S, R33E, Unit H

TO: 2590' FNL 990' FEL, Sec 2, T26S, R33E, Unit H

Attached are the revised C102 and directional plan

Spud Date:

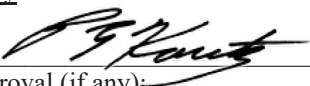
Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE  TITLE Sr. Regulatory Analyst DATE 03/11/2020

Type or print name Robyn M. Russell E-mail address: Russell@concho.com PHONE: (432) 685-4385

For State Use Only

APPROVED BY:  TITLE _____ DATE 03/17/2020
Conditions of Approval (if any): _____

NORTHERN DELAWARE BASIN

LEA COUNTY, NM

BULLDOG

VALOR ST COM 801H

OWB

Plan: PWP3

Standard Planning Report

11 March, 2020

Concho Resources LLC

Planning Report

Database:	edm	Local Co-ordinate Reference:	Well VALOR ST COM 801H
Company:	NORTHERN DELAWARE BASIN	TVD Reference:	KB=30' @ 3359.3usft (SCAN QUEST)
Project:	LEA COUNTY, NM	MD Reference:	KB=30' @ 3359.3usft (SCAN QUEST)
Site:	BULLDOG	North Reference:	Grid
Well:	VALOR ST COM 801H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP3		

Project	LEA COUNTY, NM		
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		BULLDOG			
Site Position:		Northing:	398,637.10 usft	Latitude:	32° 5' 36.820 N
From:	Map	Easting:	741,887.40 usft	Longitude:	103° 33' 8.116 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.42 °

Well	VALOR ST COM 801H, ACTIVE					
Well Position	+N/-S	32.2 usft	Northing:	398,669.30 usft	Latitude:	32° 5' 36.785 N
	+E/-W	4,889.2 usft	Easting:	746,776.60 usft	Longitude:	103° 32' 11.282 W
Position Uncertainty		3.0 usft	Wellhead Elevation:		Ground Level:	3,329.3 usft

Wellbore	OWB				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	3/4/2020	6.63	59.91	47,586.28847237

Design	PWP3				
Audit Notes:					
Version:		Phase:	PLAN	Tie On Depth:	7,582.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.0	0.0	0.0	181.55	

Plan Survey Tool Program	Date	3/11/2020			
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks	
1	152.0	1,178.0	MWD-SURFACE (OWB)	MWD+IFR1+FDIR OWSG MWD + IFR1 + FDIR C	
2	1,277.0	7,582.0	MWD-INTERMEDIATE (OWB)	MWD+IFR1+FDIR OWSG MWD + IFR1 + FDIR C	
3	7,582.0	20,207.5	PWP3 (OWB)	MWD+IFR1+FDIR OWSG MWD + IFR1 + FDIR C	

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Wellbore:	OWB		
Design:	PWP3		

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
7,582.0	3.83	33.78	7,570.5	146.9	297.5	0.00	0.00	0.00	0.00	
7,805.0	1.00	270.00	7,793.4	153.1	299.7	2.00	-1.27	-55.51	-169.26	
8,100.0	1.00	270.00	8,088.3	153.1	294.6	0.00	0.00	0.00	0.00	
11,955.0	1.00	270.00	11,942.7	153.1	227.3	0.00	0.00	0.00	0.00	
12,845.9	89.85	210.00	12,509.0	-336.1	-65.0	10.03	9.97	-6.73	-60.01	
13,606.5	89.85	179.58	12,511.1	-1,062.9	-256.8	4.00	0.00	-4.00	-90.05	
20,207.5	89.85	179.58	12,528.8	-7,663.6	-207.9	0.00	0.00	0.00	0.00	PBHL (VALOR ST CC

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Well:	VALOR ST COM 801H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP3		

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)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.23	56.37	100.0	0.1	0.2	-0.1	0.23	0.23	0.00
200.0	0.49	67.79	200.0	0.4	0.7	-0.4	0.27	0.26	11.42
300.0	0.75	85.17	300.0	0.7	1.8	-0.7	0.32	0.26	17.38
400.0	0.91	63.95	400.0	1.0	3.2	-1.1	0.34	0.16	-21.22
500.0	1.11	63.29	500.0	1.8	4.7	-1.9	0.20	0.20	-0.66
600.0	1.30	69.84	599.9	2.6	6.7	-2.8	0.23	0.19	6.56
700.0	1.30	58.09	699.9	3.5	8.8	-3.8	0.27	0.00	-11.75
800.0	1.07	44.00	799.9	5.0	10.4	-5.3	0.37	-0.23	-14.09
900.0	0.63	32.30	899.9	6.1	11.3	-6.4	0.47	-0.43	-11.70
1,000.0	0.66	37.04	999.9	7.0	11.9	-7.3	0.06	0.03	4.74
1,100.0	0.44	106.47	1,099.9	7.5	12.6	-7.8	0.66	-0.22	69.43
1,200.0	0.35	112.69	1,199.9	7.2	13.2	-7.6	0.10	-0.09	6.22
1,300.0	0.80	139.59	1,299.9	6.5	14.0	-6.9	0.51	0.44	26.90
1,400.0	0.85	148.74	1,399.9	5.4	14.8	-5.8	0.14	0.05	9.15
1,500.0	0.93	144.40	1,499.8	4.1	15.6	-4.5	0.10	0.08	-4.34
1,600.0	1.05	140.02	1,599.8	2.7	16.7	-3.2	0.14	0.12	-4.38
1,700.0	1.15	134.95	1,699.8	1.3	18.0	-1.7	0.14	0.10	-5.07
1,800.0	1.66	132.72	1,799.8	-0.3	19.7	-0.2	0.50	0.50	-2.23
1,900.0	1.53	132.05	1,899.7	-2.4	22.0	1.8	0.12	-0.12	-0.67
2,000.0	1.35	131.49	1,999.7	-4.0	23.7	3.3	0.18	-0.18	-0.56
2,100.0	1.51	129.28	2,099.7	-5.6	25.6	4.9	0.17	0.16	-2.21
2,200.0	1.57	128.16	2,199.6	-7.3	27.7	6.5	0.06	0.06	-1.12
2,300.0	1.69	127.11	2,299.6	-9.0	30.0	8.2	0.13	0.13	-1.04
2,400.0	1.84	121.43	2,399.5	-10.7	32.5	9.9	0.23	0.15	-5.68
2,500.0	2.05	117.55	2,499.5	-12.4	35.5	11.4	0.25	0.21	-3.88
2,600.0	2.37	110.66	2,599.4	-14.0	39.0	12.9	0.42	0.32	-6.89
2,700.0	2.58	105.08	2,699.3	-15.4	43.2	14.2	0.32	0.21	-5.58
2,800.0	2.35	73.84	2,799.2	-15.5	47.2	14.2	1.35	-0.23	-31.24
2,900.0	4.02	48.16	2,899.1	-12.5	51.8	11.1	2.16	1.67	-25.68
3,000.0	4.93	37.26	2,998.7	-6.5	57.3	4.9	1.23	0.90	-10.90
3,100.0	4.02	34.84	3,098.4	0.2	61.6	-1.9	0.92	-0.90	-2.42
3,200.0	3.52	51.62	3,198.2	4.5	65.9	-6.3	1.21	-0.51	16.78
3,300.0	3.88	57.46	3,298.0	8.4	71.3	-10.3	0.52	0.36	5.84
3,400.0	3.86	63.67	3,397.8	11.7	77.2	-13.8	0.42	-0.02	6.21
3,500.0	4.04	64.80	3,497.6	14.6	83.4	-16.8	0.20	0.18	1.13
3,600.0	3.63	69.62	3,597.3	17.4	89.7	-19.8	0.53	-0.41	4.82
3,700.0	3.00	87.60	3,697.1	18.7	95.3	-21.3	1.21	-0.63	17.98
3,800.0	3.32	88.85	3,797.0	18.6	100.6	-21.3	0.33	0.32	1.25
3,900.0	3.83	82.50	3,896.8	19.1	106.8	-22.0	0.65	0.51	-6.35
4,000.0	4.05	79.37	3,996.6	20.2	113.7	-23.3	0.31	0.22	-3.13
4,100.0	3.71	78.01	4,096.3	21.5	120.3	-24.8	0.35	-0.34	-1.36
4,200.0	3.44	54.79	4,196.1	23.9	126.0	-27.3	1.46	-0.27	-23.21
4,300.0	3.46	37.44	4,296.0	28.0	130.2	-31.6	1.04	0.02	-17.35
4,400.0	3.76	40.89	4,395.8	33.0	134.1	-36.6	0.37	0.30	3.45
4,500.0	3.90	50.44	4,495.5	37.6	138.9	-41.3	0.65	0.14	9.55
4,600.0	4.06	55.57	4,595.3	41.7	144.5	-45.6	0.39	0.16	5.14
4,700.0	4.01	60.32	4,695.1	45.6	150.4	-49.7	0.34	-0.05	4.75
4,800.0	4.18	74.77	4,794.8	48.2	157.0	-52.5	1.04	0.17	14.45
4,900.0	4.49	80.04	4,894.5	49.7	164.4	-54.2	0.50	0.30	5.27
5,000.0	4.49	78.95	4,994.2	51.2	172.2	-55.8	0.09	0.01	-1.09
5,100.0	4.21	79.21	5,093.9	52.7	179.6	-57.5	0.29	-0.29	0.27
5,200.0	3.86	82.20	5,193.7	53.8	186.6	-58.9	0.41	-0.35	2.99
5,300.0	3.72	85.12	5,293.5	54.5	193.1	-59.7	0.24	-0.14	2.91

Concho Resources LLC

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Wellbore:	OWB		
Design:	PWP3		

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)
5,400.0	3.57	86.61	5,393.2	55.0	199.5	-60.4	0.17	-0.14	1.49
5,500.0	3.14	86.54	5,493.1	55.3	205.4	-60.9	0.43	-0.43	-0.07
5,600.0	2.90	82.67	5,592.9	55.7	210.5	-61.4	0.32	-0.24	-3.87
5,700.0	2.79	80.94	5,692.8	56.5	215.5	-62.3	0.14	-0.10	-1.73
5,800.0	2.80	78.86	5,792.7	57.3	220.2	-63.3	0.10	0.00	-2.08
5,900.0	2.98	80.95	5,892.6	58.2	225.2	-64.3	0.21	0.18	2.09
6,000.0	3.31	60.51	5,992.4	60.0	230.3	-66.2	1.16	0.33	-20.44
6,100.0	3.96	52.98	6,092.2	63.5	235.6	-69.9	0.80	0.65	-7.53
6,200.0	3.89	47.26	6,192.0	67.9	240.8	-74.4	0.40	-0.06	-5.72
6,300.0	3.76	41.44	6,291.8	72.7	245.5	-79.3	0.41	-0.13	-5.82
6,400.0	3.83	36.18	6,391.5	77.8	249.6	-84.6	0.35	0.07	-5.26
6,500.0	3.86	33.42	6,491.3	83.3	253.4	-90.2	0.19	0.03	-2.76
6,600.0	4.04	32.02	6,591.1	89.1	257.1	-96.0	0.21	0.19	-1.40
6,700.0	4.22	27.36	6,690.8	95.4	260.8	-102.4	0.38	0.18	-4.67
6,800.0	4.20	28.91	6,790.5	102.0	264.0	-109.1	0.12	-0.02	1.56
6,900.0	4.27	37.99	6,890.3	108.1	268.1	-115.3	0.67	0.07	9.08
7,000.0	4.24	38.77	6,990.0	113.9	272.9	-121.2	0.06	-0.03	0.78
7,100.0	4.17	36.76	7,089.7	119.6	277.3	-127.1	0.16	-0.07	-2.01
7,200.0	4.20	37.05	7,189.5	125.5	281.7	-133.1	0.03	0.02	0.29
7,300.0	4.26	39.53	7,289.2	131.3	286.2	-139.0	0.19	0.06	2.49
7,400.0	3.88	36.18	7,388.9	136.9	290.7	-144.7	0.45	-0.38	-3.35
7,500.0	3.82	33.95	7,488.7	142.4	294.5	-150.3	0.16	-0.06	-2.24
7,582.0	3.83	33.78	7,570.5	146.9	297.5	-154.9	0.02	0.01	-0.20
Tie On									
7,600.0	3.48	32.67	7,588.5	147.9	298.2	-155.9	2.00	-1.96	-6.15
7,700.0	1.57	17.52	7,688.4	151.7	300.2	-159.8	2.00	-1.90	-15.15
7,800.0	0.93	274.39	7,788.4	153.1	299.8	-161.2	2.00	-0.64	-103.13
7,805.0	1.00	270.00	7,793.4	153.1	299.7	-161.2	2.00	1.35	-87.82
Drop and Turn									
7,900.0	1.00	270.00	7,888.4	153.1	298.1	-161.1	0.00	0.00	0.00
8,000.0	1.00	270.00	7,988.3	153.1	296.3	-161.1	0.00	0.00	0.00
8,100.0	1.00	270.00	8,088.3	153.1	294.6	-161.0	0.00	0.00	0.00
Hold Angle									
8,200.0	1.00	270.00	8,188.3	153.1	292.8	-161.0	0.00	0.00	0.00
8,300.0	1.00	270.00	8,288.3	153.1	291.1	-160.9	0.00	0.00	0.00
8,400.0	1.00	270.00	8,388.3	153.1	289.4	-160.9	0.00	0.00	0.00
8,500.0	1.00	270.00	8,488.3	153.1	287.6	-160.8	0.00	0.00	0.00
8,600.0	1.00	270.00	8,588.3	153.1	285.9	-160.8	0.00	0.00	0.00
8,700.0	1.00	270.00	8,688.2	153.1	284.1	-160.8	0.00	0.00	0.00
8,800.0	1.00	270.00	8,788.2	153.1	282.4	-160.7	0.00	0.00	0.00
8,900.0	1.00	270.00	8,888.2	153.1	280.6	-160.7	0.00	0.00	0.00
9,000.0	1.00	270.00	8,988.2	153.1	278.9	-160.6	0.00	0.00	0.00
9,100.0	1.00	270.00	9,088.2	153.1	277.1	-160.6	0.00	0.00	0.00
9,200.0	1.00	270.00	9,188.2	153.1	275.4	-160.5	0.00	0.00	0.00
9,300.0	1.00	270.00	9,288.1	153.1	273.6	-160.5	0.00	0.00	0.00
9,400.0	1.00	270.00	9,388.1	153.1	271.9	-160.4	0.00	0.00	0.00
9,500.0	1.00	270.00	9,488.1	153.1	270.2	-160.4	0.00	0.00	0.00
9,600.0	1.00	270.00	9,588.1	153.1	268.4	-160.3	0.00	0.00	0.00
9,700.0	1.00	270.00	9,688.1	153.1	266.7	-160.3	0.00	0.00	0.00
9,800.0	1.00	270.00	9,788.1	153.1	264.9	-160.2	0.00	0.00	0.00
9,900.0	1.00	270.00	9,888.1	153.1	263.2	-160.2	0.00	0.00	0.00
10,000.0	1.00	270.00	9,988.0	153.1	261.4	-160.1	0.00	0.00	0.00
10,100.0	1.00	270.00	10,088.0	153.1	259.7	-160.1	0.00	0.00	0.00

Concho Resources LLC

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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)
10,200.0	1.00	270.00	10,188.0	153.1	257.9	-160.0	0.00	0.00	0.00
10,300.0	1.00	270.00	10,288.0	153.1	256.2	-160.0	0.00	0.00	0.00
10,400.0	1.00	270.00	10,388.0	153.1	254.4	-160.0	0.00	0.00	0.00
10,500.0	1.00	270.00	10,488.0	153.1	252.7	-159.9	0.00	0.00	0.00
10,600.0	1.00	270.00	10,587.9	153.1	251.0	-159.9	0.00	0.00	0.00
10,700.0	1.00	270.00	10,687.9	153.1	249.2	-159.8	0.00	0.00	0.00
10,800.0	1.00	270.00	10,787.9	153.1	247.5	-159.8	0.00	0.00	0.00
10,900.0	1.00	270.00	10,887.9	153.1	245.7	-159.7	0.00	0.00	0.00
11,000.0	1.00	270.00	10,987.9	153.1	244.0	-159.7	0.00	0.00	0.00
11,100.0	1.00	270.00	11,087.9	153.1	242.2	-159.6	0.00	0.00	0.00
11,200.0	1.00	270.00	11,187.9	153.1	240.5	-159.6	0.00	0.00	0.00
11,300.0	1.00	270.00	11,287.8	153.1	238.7	-159.5	0.00	0.00	0.00
11,400.0	1.00	270.00	11,387.8	153.1	237.0	-159.5	0.00	0.00	0.00
11,500.0	1.00	270.00	11,487.8	153.1	235.3	-159.4	0.00	0.00	0.00
11,600.0	1.00	270.00	11,587.8	153.1	233.5	-159.4	0.00	0.00	0.00
11,700.0	1.00	270.00	11,687.8	153.1	231.8	-159.3	0.00	0.00	0.00
11,800.0	1.00	270.00	11,787.8	153.1	230.0	-159.3	0.00	0.00	0.00
11,900.0	1.00	270.00	11,887.8	153.1	228.3	-159.2	0.00	0.00	0.00
11,955.0	1.00	270.00	11,942.7	153.1	227.3	-159.2	0.00	0.00	0.00
Curve KOP									
12,000.0	5.09	219.77	11,987.7	151.6	225.6	-157.6	10.03	9.08	-111.61
12,100.0	15.07	213.22	12,086.0	137.3	215.7	-143.1	10.03	9.98	-6.56
12,200.0	25.08	211.85	12,179.8	108.3	197.3	-113.6	10.03	10.02	-1.37
12,300.0	35.11	211.23	12,266.2	65.6	171.1	-70.2	10.03	10.02	-0.62
12,400.0	45.13	210.86	12,342.6	10.4	138.0	-14.2	10.03	10.03	-0.37
12,500.0	55.16	210.60	12,406.6	-55.5	98.8	52.8	10.03	10.03	-0.26
12,600.0	65.19	210.40	12,456.3	-130.1	54.8	128.6	10.03	10.03	-0.20
12,700.0	75.22	210.23	12,490.1	-211.3	7.4	211.0	10.03	10.03	-0.17
12,800.0	85.24	210.07	12,507.0	-296.4	-42.0	297.4	10.03	10.03	-0.16
12,845.9	89.85	210.00	12,509.0	-336.1	-65.0	337.7	10.03	10.03	-0.15
EOC / Start Lateral Turn									
12,900.0	89.85	207.84	12,509.1	-383.4	-91.1	385.7	4.00	0.00	-4.00
13,000.0	89.85	203.84	12,509.4	-473.4	-134.7	476.9	4.00	0.00	-4.00
13,100.0	89.84	199.84	12,509.7	-566.2	-171.9	570.6	4.00	0.00	-4.00
13,200.0	89.84	195.84	12,510.0	-661.4	-202.5	666.6	4.00	0.00	-4.00
13,300.0	89.84	191.84	12,510.2	-758.4	-226.4	764.3	4.00	0.00	-4.00
13,400.0	89.84	187.84	12,510.5	-857.0	-243.5	863.2	4.00	0.00	-4.00
13,500.0	89.84	183.84	12,510.8	-956.4	-253.7	962.9	4.00	0.00	-4.00
13,600.0	89.85	179.84	12,511.0	-1,056.3	-256.9	1,062.9	4.00	0.00	-4.00
13,606.5	89.85	179.58	12,511.1	-1,062.8	-256.8	1,069.4	4.00	0.00	-4.00
EOT / Hold									
13,700.0	89.85	179.58	12,511.3	-1,156.3	-256.2	1,162.9	0.00	0.00	0.00
13,800.0	89.85	179.58	12,511.6	-1,256.3	-255.4	1,262.8	0.00	0.00	0.00
13,900.0	89.85	179.58	12,511.9	-1,356.3	-254.7	1,362.7	0.00	0.00	0.00
14,000.0	89.85	179.58	12,512.1	-1,456.3	-253.9	1,462.7	0.00	0.00	0.00
14,100.0	89.85	179.58	12,512.4	-1,556.3	-253.2	1,562.6	0.00	0.00	0.00
14,200.0	89.85	179.58	12,512.7	-1,656.3	-252.4	1,662.6	0.00	0.00	0.00
14,300.0	89.85	179.58	12,512.9	-1,756.3	-251.7	1,762.5	0.00	0.00	0.00
14,400.0	89.85	179.58	12,513.2	-1,856.3	-251.0	1,862.4	0.00	0.00	0.00
14,500.0	89.85	179.58	12,513.5	-1,956.3	-250.2	1,962.4	0.00	0.00	0.00
14,600.0	89.85	179.58	12,513.7	-2,056.3	-249.5	2,062.3	0.00	0.00	0.00
14,700.0	89.85	179.58	12,514.0	-2,156.3	-248.7	2,162.3	0.00	0.00	0.00
14,800.0	89.85	179.58	12,514.3	-2,256.3	-248.0	2,262.2	0.00	0.00	0.00

Concho Resources LLC

Planning Report

Database:	edm	Local Co-ordinate Reference:	Well VALOR ST COM 801H
Company:	NORTHERN DELAWARE BASIN	TVD Reference:	KB=30' @ 3359.3usft (SCAN QUEST)
Project:	LEA COUNTY, NM	MD Reference:	KB=30' @ 3359.3usft (SCAN QUEST)
Site:	BULLDOG	North Reference:	Grid
Well:	VALOR ST COM 801H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP3		

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)
14,900.0	89.85	179.58	12,514.5	-2,356.3	-247.3	2,362.1	0.00	0.00	0.00
15,000.0	89.85	179.58	12,514.8	-2,456.3	-246.5	2,462.1	0.00	0.00	0.00
15,100.0	89.85	179.58	12,515.1	-2,556.3	-245.8	2,562.0	0.00	0.00	0.00
15,200.0	89.85	179.58	12,515.3	-2,656.3	-245.0	2,662.0	0.00	0.00	0.00
15,300.0	89.85	179.58	12,515.6	-2,756.3	-244.3	2,761.9	0.00	0.00	0.00
15,400.0	89.85	179.58	12,515.9	-2,856.3	-243.5	2,861.8	0.00	0.00	0.00
15,500.0	89.85	179.58	12,516.2	-2,956.3	-242.8	2,961.8	0.00	0.00	0.00
15,600.0	89.85	179.58	12,516.4	-3,056.3	-242.1	3,061.7	0.00	0.00	0.00
15,700.0	89.85	179.58	12,516.7	-3,156.3	-241.3	3,161.7	0.00	0.00	0.00
15,800.0	89.85	179.58	12,517.0	-3,256.3	-240.6	3,261.6	0.00	0.00	0.00
15,900.0	89.85	179.58	12,517.2	-3,356.3	-239.8	3,361.5	0.00	0.00	0.00
16,000.0	89.85	179.58	12,517.5	-3,456.3	-239.1	3,461.5	0.00	0.00	0.00
16,100.0	89.85	179.58	12,517.8	-3,556.3	-238.4	3,561.4	0.00	0.00	0.00
16,200.0	89.85	179.58	12,518.0	-3,656.3	-237.6	3,661.4	0.00	0.00	0.00
16,300.0	89.85	179.58	12,518.3	-3,756.3	-236.9	3,761.3	0.00	0.00	0.00
16,400.0	89.85	179.58	12,518.6	-3,856.3	-236.1	3,861.2	0.00	0.00	0.00
16,500.0	89.85	179.58	12,518.8	-3,956.3	-235.4	3,961.2	0.00	0.00	0.00
16,600.0	89.85	179.58	12,519.1	-4,056.3	-234.6	4,061.1	0.00	0.00	0.00
16,700.0	89.85	179.58	12,519.4	-4,156.2	-233.9	4,161.1	0.00	0.00	0.00
16,800.0	89.85	179.58	12,519.6	-4,256.2	-233.2	4,261.0	0.00	0.00	0.00
16,900.0	89.85	179.58	12,519.9	-4,356.2	-232.4	4,360.9	0.00	0.00	0.00
17,000.0	89.85	179.58	12,520.2	-4,456.2	-231.7	4,460.9	0.00	0.00	0.00
17,100.0	89.85	179.58	12,520.5	-4,556.2	-230.9	4,560.8	0.00	0.00	0.00
17,200.0	89.85	179.58	12,520.7	-4,656.2	-230.2	4,660.8	0.00	0.00	0.00
17,300.0	89.85	179.58	12,521.0	-4,756.2	-229.5	4,760.7	0.00	0.00	0.00
17,400.0	89.85	179.58	12,521.3	-4,856.2	-228.7	4,860.6	0.00	0.00	0.00
17,500.0	89.85	179.58	12,521.5	-4,956.2	-228.0	4,960.6	0.00	0.00	0.00
17,600.0	89.85	179.58	12,521.8	-5,056.2	-227.2	5,060.5	0.00	0.00	0.00
17,700.0	89.85	179.58	12,522.1	-5,156.2	-226.5	5,160.5	0.00	0.00	0.00
17,800.0	89.85	179.58	12,522.3	-5,256.2	-225.8	5,260.4	0.00	0.00	0.00
17,900.0	89.85	179.58	12,522.6	-5,356.2	-225.0	5,360.3	0.00	0.00	0.00
18,000.0	89.85	179.58	12,522.9	-5,456.2	-224.3	5,460.3	0.00	0.00	0.00
18,100.0	89.85	179.58	12,523.1	-5,556.2	-223.5	5,560.2	0.00	0.00	0.00
18,200.0	89.85	179.58	12,523.4	-5,656.2	-222.8	5,660.2	0.00	0.00	0.00
18,300.0	89.85	179.58	12,523.7	-5,756.2	-222.0	5,760.1	0.00	0.00	0.00
18,400.0	89.85	179.58	12,523.9	-5,856.2	-221.3	5,860.0	0.00	0.00	0.00
18,500.0	89.85	179.58	12,524.2	-5,956.2	-220.6	5,960.0	0.00	0.00	0.00
18,600.0	89.85	179.58	12,524.5	-6,056.2	-219.8	6,059.9	0.00	0.00	0.00
18,700.0	89.85	179.58	12,524.7	-6,156.2	-219.1	6,159.9	0.00	0.00	0.00
18,800.0	89.85	179.58	12,525.0	-6,256.2	-218.3	6,259.8	0.00	0.00	0.00
18,900.0	89.85	179.58	12,525.3	-6,356.2	-217.6	6,359.7	0.00	0.00	0.00
19,000.0	89.85	179.58	12,525.6	-6,456.2	-216.9	6,459.7	0.00	0.00	0.00
19,100.0	89.85	179.58	12,525.8	-6,556.2	-216.1	6,559.6	0.00	0.00	0.00
19,200.0	89.85	179.58	12,526.1	-6,656.2	-215.4	6,659.6	0.00	0.00	0.00
19,300.0	89.85	179.58	12,526.4	-6,756.2	-214.6	6,759.5	0.00	0.00	0.00
19,400.0	89.85	179.58	12,526.6	-6,856.2	-213.9	6,859.4	0.00	0.00	0.00
19,500.0	89.85	179.58	12,526.9	-6,956.2	-213.1	6,959.4	0.00	0.00	0.00
19,600.0	89.85	179.58	12,527.2	-7,056.2	-212.4	7,059.3	0.00	0.00	0.00
19,700.0	89.85	179.58	12,527.4	-7,156.2	-211.7	7,159.3	0.00	0.00	0.00
19,800.0	89.85	179.58	12,527.7	-7,256.2	-210.9	7,259.2	0.00	0.00	0.00
19,900.0	89.85	179.58	12,528.0	-7,356.1	-210.2	7,359.1	0.00	0.00	0.00
20,000.0	89.85	179.58	12,528.2	-7,456.1	-209.4	7,459.1	0.00	0.00	0.00
20,100.0	89.85	179.58	12,528.5	-7,556.1	-208.7	7,559.0	0.00	0.00	0.00
20,200.0	89.85	179.58	12,528.8	-7,656.1	-208.0	7,659.0	0.00	0.00	0.00

Concho Resources LLC

Planning Report

Database:	edm	Local Co-ordinate Reference:	Well VALOR ST COM 801H
Company:	NORTHERN DELAWARE BASIN	TVD Reference:	KB=30' @ 3359.3usft (SCAN QUEST)
Project:	LEA COUNTY, NM	MD Reference:	KB=30' @ 3359.3usft (SCAN QUEST)
Site:	BULLDOG	North Reference:	Grid
Well:	VALOR ST COM 801H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP3		

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)
20,207.5	89.85	179.58	12,528.8	-7,663.6	-207.9	7,666.4	0.00	0.00	0.00
TD at 20207.5									

Design Targets									
Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
FTP (VALOR ST COM 8 - plan misses target center by 402.5usft at 12589.3usft MD (12451.7 TVD, -121.8 N, 59.7 E) - Circle (radius 50.0)	0.00	0.00	12,508.8	108.0	-265.8	398,777.30	746,510.80	32° 5' 37.873 N	103° 32' 14.362 W
LTP (VALOR ST COM 8 - plan misses target center by 0.1usft at 20157.5usft MD (12528.7 TVD, -7613.6 N, -208.3 E) - Point	0.00	0.00	12,528.8	-7,613.6	-208.3	391,055.70	746,568.30	32° 4' 21.459 N	103° 32' 14.356 W
PBHL (VALOR ST COM - plan hits target center - Rectangle (sides W100.0 H7,772.0 D20.0)	-0.15	359.57	12,528.8	-7,663.6	-207.9	391,005.70	746,568.70	32° 4' 20.964 N	103° 32' 14.356 W

Plan Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
7,582.0	7,570.5	146.9	297.5	Tie On	
7,805.0	7,793.4	153.1	299.7	Drop and Turn	
8,100.0	8,088.3	153.1	294.6	Hold Angle	
11,955.0	11,942.7	153.1	227.3	Curve KOP	
12,845.9	12,509.0	-336.1	-65.0	EOC / Start Lateral Turn	
13,606.5	12,511.1	-1,062.8	-256.8	EOT / Hold	
20,207.5	12,528.8	-7,663.6	-207.9	TD at 20207.5	