



CONCHO

Concho Resources, Inc.

Lea County, NM (NAD 27 NME)
(Dominator) Sec-25_T-25-S_R-33-E
Dominator 25 Federal Com #708H
API# 30-025-44730
OWB

HOBBS OCD
MAY 16 2019
RECEIVED

Design: AWB

Standard Survey Report

18 August, 2018

INTREPID



Intrepid Survey Report



Company: Concho Resources, Inc.
Project: Lea County, NM (NAD 27 NME)
Site: (Dominator) Sec-25_T-25-S_R-33-E
Well: Dominator 25 Federal Com #708H
Wellbore: OWB
Design: AWB

Local Co-ordinate Reference: Well Dominator 25 Federal Com #708H
TVD Reference: KB @ 3363.6usft (Independence 205)
MD Reference: KB @ 3363.6usft (Independence 205)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.15 Single User Db

Project	Lea County, NM (NAD 27 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	(Dominator) Sec-25_T-25-S_R-33-E		
Site Position:	Northing:	399,184.70 usft	Latitude: 32° 5' 41.640 N
From: Map	Easting:	750,109.80 usft	Longitude: 103° 31' 32.493 W
Position Uncertainty:	0.0 usft	Slot Radius: 13-3/16 "	Grid Convergence: 0.43 °

Well	Dominator 25 Federal Com #708H		
Well Position	+N/-S	0.0 usft	Northing: 399,185.00 usft
	+E/-W	0.0 usft	Easting: 750,139.80 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	usft
			Ground Level: 3,337.6 usft

Wellbore	OWB		
Magnetics	Model Name	Sample Date	Declination (°)
	IGRF2015	06/08/18	6.82
			Dip Angle (°)
			59.94
			Field Strength (nT)
			47,766.64041438

Design	AWB		
Audit Notes:			
Version:	1.0	Phase: ACTUAL	Tie On Depth: 0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)
	0.0	0.0	0.0
			Direction (°)
			354.89

Survey Program	Date 08/18/18		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name
100.0	11,655.0	SDI Gyro (OWB)	Standard Keeper 104
11,768.0	17,645.0	Intrepid MWD Crv/Lat (OWB)	MWD+IFR1+MS
			Description
			Standard Wireline Keeper ver 1.0.4
			MWD + IFR1 + Multi-Station Correction

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	0.41	0.64	100.0	0.4	0.0	0.4	0.41	0.41	0.00
125.0	0.40	4.76	125.0	0.5	0.0	0.5	0.12	-0.04	16.48
150.0	0.28	352.07	150.0	0.7	0.0	0.7	0.56	-0.48	-50.76
175.0	0.36	0.08	175.0	0.8	0.0	0.8	0.37	0.32	32.04
200.0	0.38	1.78	200.0	1.0	0.0	1.0	0.09	0.08	6.80
225.0	0.34	353.71	225.0	1.1	0.0	1.1	0.26	-0.16	-32.28
250.0	0.27	348.20	250.0	1.3	0.0	1.3	0.30	-0.28	-22.04
275.0	0.38	7.37	275.0	1.4	0.0	1.4	0.61	0.44	76.68
300.0	0.35	10.63	300.0	1.6	0.0	1.6	0.15	-0.12	13.04



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Design: AWB

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Project Lea County, NM (NAD 27 NME)

Map System: US State Plane 1927 (Exact solution)
Geo Datum: NAD 1927 (NADCON CONUS)
Map Zone: New Mexico East 3001

System Datum: Mean Sea Level

Site (Dominator) Sec-25_T-25-S_R-33-E

Site Position: **Map** **Northing:** 399,184.70 usft **Latitude:** 32° 5' 41.640 N
From: **Easting:** 750,109.80 usft **Longitude:** 103° 31' 32.493 W
Position Uncertainty: 0.0 usft **Slot Radius:** 13-3/16 " **Grid Convergence:** 0.43 °

Well Dominator 25 Federal Com #708H

Well Position **+N/-S** 0.0 usft **Northing:** 399,185.00 usft **Latitude:** 32° 5' 41.640 N
+E/-W 0.0 usft **Easting:** 750,139.80 usft **Longitude:** 103° 31' 32.144 W
Position Uncertainty 0.0 usft **Wellhead Elevation:** usft **Ground Level:** 3,337.6 usft

Wellbore OWB

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	06/08/18	6.82	59.94	47,766.64041438

Design AWB

Audit Notes:

Version: 1.0 **Phase:** ACTUAL **Tie On Depth:** 0.0

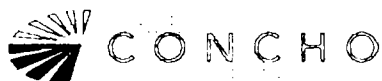
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	354.89

Survey Program Date 08/18/18

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
100.0	11,655.0	SDI Gyro (OWB)	Standard Keeper 104	Standard Wireline Keeper ver 1.0.4
11,768.0	17,645.0	Intrepid MWD Crv/Lat (OWB)	MWD+IFR1+MS	MWD + IFR1 + Multi-Station Correction

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	0.41	0.64	100.0	0.4	0.0	0.4	0.41	0.41	0.00
125.0	0.40	4.76	125.0	0.5	0.0	0.5	0.12	-0.04	16.48
150.0	0.28	352.07	150.0	0.7	0.0	0.7	0.56	-0.48	-50.76
175.0	0.36	0.08	175.0	0.8	0.0	0.8	0.37	0.32	32.04
200.0	0.38	1.78	200.0	1.0	0.0	1.0	0.09	0.08	6.80
225.0	0.34	353.71	225.0	1.1	0.0	1.1	0.26	-0.16	-32.28
250.0	0.27	348.20	250.0	1.3	0.0	1.3	0.30	-0.28	-22.04
275.0	0.38	7.37	275.0	1.4	0.0	1.4	0.61	0.44	76.68
300.0	0.35	10.63	300.0	1.6	0.0	1.6	0.15	-0.12	13.04



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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)
325.0	0.30	18.58	325.0	1.7	0.0	1.7	0.27	-0.20	31.80
350.0	0.36	37.20	350.0	1.8	0.1	1.8	0.49	0.24	74.48
375.0	0.35	38.03	375.0	2.0	0.2	1.9	0.04	-0.04	3.32
400.0	0.38	45.66	400.0	2.1	0.3	2.0	0.23	0.12	30.52
425.0	0.42	51.66	425.0	2.2	0.4	2.1	0.23	0.16	24.00
450.0	0.37	65.78	450.0	2.3	0.6	2.2	0.44	-0.20	56.48
475.0	0.43	72.58	475.0	2.3	0.7	2.3	0.31	0.24	27.20
500.0	0.56	81.81	500.0	2.4	1.0	2.3	0.61	0.52	36.92
525.0	0.65	85.50	525.0	2.4	1.2	2.3	0.39	0.36	14.76
550.0	0.66	93.52	550.0	2.4	1.5	2.3	0.37	0.04	32.08
575.0	0.53	92.24	575.0	2.4	1.8	2.2	0.52	-0.52	-5.12
600.0	0.56	98.14	600.0	2.4	2.0	2.2	0.25	0.12	23.60
625.0	0.53	99.51	625.0	2.3	2.2	2.1	0.13	-0.12	5.48
650.0	0.57	106.44	650.0	2.3	2.5	2.1	0.31	0.16	27.72
675.0	0.60	90.57	675.0	2.2	2.7	2.0	0.66	0.12	-63.48
700.0	0.60	94.28	700.0	2.2	3.0	2.0	0.16	0.00	14.84
725.0	0.55	93.10	725.0	2.2	3.2	1.9	0.21	-0.20	-4.72
750.0	0.58	95.19	750.0	2.2	3.5	1.9	0.15	0.12	8.36
775.0	0.46	97.22	775.0	2.2	3.7	1.8	0.49	-0.48	8.12
800.0	0.39	98.14	800.0	2.2	3.9	1.8	0.28	-0.28	3.68
825.0	0.41	84.66	825.0	2.2	4.1	1.8	0.38	0.08	-53.92
850.0	0.30	78.61	850.0	2.2	4.2	1.8	0.46	-0.44	-24.20
875.0	0.26	62.35	875.0	2.2	4.3	1.8	0.35	-0.16	-65.04
900.0	0.29	77.82	900.0	2.3	4.4	1.8	0.32	0.12	61.88
925.0	0.15	74.01	925.0	2.3	4.5	1.9	0.56	-0.56	-15.24
950.0	0.11	66.57	950.0	2.3	4.6	1.9	0.17	-0.16	-29.76
975.0	0.16	50.11	975.0	2.3	4.6	1.9	0.25	0.20	-65.84
1,000.0	0.09	30.54	1,000.0	2.4	4.7	1.9	0.32	-0.28	-78.28
1,025.0	0.08	50.18	1,025.0	2.4	4.7	2.0	0.12	-0.04	78.56
1,050.0	0.21	41.65	1,050.0	2.4	4.7	2.0	0.53	0.52	-34.12
1,075.0	0.26	345.70	1,075.0	2.5	4.8	2.1	0.90	0.20	-223.80
1,100.0	0.41	3.46	1,100.0	2.7	4.7	2.2	0.72	0.60	71.04
1,125.0	0.47	289.41	1,125.0	2.8	4.7	2.4	2.13	0.24	-296.20
1,150.0	0.23	301.30	1,150.0	2.9	4.5	2.4	1.00	-0.96	47.56
1,175.0	0.45	326.70	1,175.0	3.0	4.4	2.6	1.05	0.88	101.60
1,200.0	0.33	343.55	1,200.0	3.1	4.3	2.7	0.66	-0.48	67.40
1,225.0	0.32	5.11	1,225.0	3.3	4.3	2.9	0.49	-0.04	86.24
1,250.0	0.43	7.22	1,250.0	3.4	4.3	3.0	0.44	0.44	8.44
1,275.0	0.45	351.54	1,275.0	3.6	4.3	3.2	0.49	0.08	-62.72
1,300.0	0.49	329.27	1,300.0	3.8	4.3	3.4	0.74	0.16	-89.08
1,325.0	0.75	296.08	1,325.0	4.0	4.1	3.6	1.73	1.04	-132.76
1,350.0	0.85	297.57	1,350.0	4.1	3.8	3.8	0.41	0.40	5.96
1,375.0	1.29	276.54	1,375.0	4.2	3.3	3.9	2.33	1.76	-84.12



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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)
1,400.0	1.25	275.27	1,400.0	4.3	2.8	4.0	0.20	-0.16	-5.08
1,425.0	1.56	272.40	1,424.9	4.3	2.2	4.1	1.27	1.24	-11.48
1,450.0	1.55	273.00	1,449.9	4.4	1.5	4.2	0.08	-0.04	2.40
1,475.0	1.73	268.81	1,474.9	4.4	0.8	4.3	0.86	0.72	-16.76
1,500.0	1.73	265.95	1,499.9	4.3	0.0	4.3	0.35	0.00	-11.44
1,525.0	1.83	261.51	1,524.9	4.3	-0.8	4.3	0.68	0.40	-17.76
1,550.0	1.81	262.49	1,549.9	4.1	-1.5	4.3	0.15	-0.08	3.92
1,575.0	2.07	258.73	1,574.9	4.0	-2.4	4.2	1.16	1.04	-15.04
1,600.0	2.28	253.74	1,599.9	3.8	-3.3	4.1	1.13	0.84	-19.96
1,625.0	2.32	251.89	1,624.8	3.5	-4.3	3.8	0.34	0.16	-7.40
1,650.0	2.20	258.10	1,649.8	3.2	-5.2	3.7	1.09	-0.48	24.84
1,675.0	2.18	256.72	1,674.8	3.0	-6.1	3.5	0.23	-0.08	-5.52
1,700.0	2.45	253.58	1,699.8	2.8	-7.1	3.4	1.19	1.08	-12.56
1,725.0	2.29	244.97	1,724.8	2.4	-8.1	3.1	1.56	-0.64	-34.44
1,750.0	2.51	236.75	1,749.7	1.9	-9.0	2.7	1.63	0.88	-32.88
1,775.0	2.39	241.37	1,774.7	1.3	-9.9	2.2	0.92	-0.48	18.48
1,800.0	2.27	235.02	1,799.7	0.8	-10.8	1.8	1.14	-0.48	-25.40
1,825.0	2.49	232.45	1,824.7	0.2	-11.6	1.2	0.98	0.88	-10.28
1,850.0	1.85	224.94	1,849.7	-0.4	-12.3	0.7	2.80	-2.56	-30.04
1,875.0	2.35	241.79	1,874.6	-1.0	-13.1	0.2	3.16	2.00	67.40
1,900.0	2.39	238.58	1,899.6	-1.5	-14.0	-0.2	0.55	0.16	-12.84
1,925.0	2.41	238.20	1,924.6	-2.0	-14.8	-0.7	0.10	0.08	-1.52
1,950.0	1.86	228.11	1,949.6	-2.6	-15.6	-1.2	2.66	-2.20	-40.36
1,975.0	2.49	241.99	1,974.6	-3.1	-16.4	-1.6	3.27	2.52	55.52
2,000.0	2.53	237.05	1,999.5	-3.7	-17.3	-2.1	0.88	0.16	-19.76
2,025.0	2.41	237.47	2,024.5	-4.2	-18.2	-2.6	0.49	-0.48	1.68
2,050.0	2.47	236.53	2,049.5	-4.8	-19.1	-3.1	0.29	0.24	-3.76
2,075.0	2.29	233.18	2,074.5	-5.4	-20.0	-3.6	0.91	-0.72	-13.40
2,100.0	2.47	230.24	2,099.4	-6.1	-20.8	-4.2	0.87	0.72	-11.76
2,125.0	2.31	235.07	2,124.4	-6.7	-21.6	-4.7	1.03	-0.64	19.32
2,150.0	2.39	235.19	2,149.4	-7.3	-22.5	-5.2	0.32	0.32	0.48
2,175.0	2.53	229.54	2,174.4	-7.9	-23.3	-5.8	1.12	0.56	-22.60
2,200.0	2.22	235.32	2,199.4	-8.6	-24.1	-6.4	1.57	-1.24	23.12
2,225.0	2.41	232.12	2,224.3	-9.2	-24.9	-6.9	0.92	0.76	-12.80
2,250.0	2.13	232.62	2,249.3	-9.8	-25.7	-7.4	1.12	-1.12	2.00
2,275.0	2.14	235.14	2,274.3	-10.3	-26.5	-7.9	0.38	0.04	10.08
2,300.0	2.17	223.29	2,299.3	-10.9	-27.2	-8.5	1.78	0.12	-47.40
2,325.0	2.22	227.72	2,324.3	-11.6	-27.9	-9.1	0.71	0.20	17.72
2,350.0	2.05	229.14	2,349.2	-12.2	-28.6	-9.6	0.71	-0.68	5.68
2,375.0	2.12	235.19	2,374.2	-12.8	-29.3	-10.1	0.92	0.28	24.20
2,400.0	2.12	235.64	2,399.2	-13.3	-30.0	-10.6	0.07	0.00	1.80
2,425.0	2.01	234.44	2,424.2	-13.8	-30.8	-11.0	0.47	-0.44	-4.80
2,450.0	2.31	229.79	2,449.2	-14.4	-31.5	-11.5	1.39	1.20	-18.60



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2,475.0	2.15	228.74	2,474.2	-15.0	-32.2	-12.1	0.66	-0.64	-4.20
2,500.0	2.09	234.09	2,499.1	-15.6	-33.0	-12.6	0.83	-0.24	21.40
2,525.0	2.06	234.98	2,524.1	-16.1	-33.7	-13.1	0.18	-0.12	3.56
2,550.0	2.01	223.12	2,549.1	-16.7	-34.4	-13.6	1.69	-0.20	-47.44
2,575.0	1.79	230.79	2,574.1	-17.3	-35.0	-14.1	1.34	-0.88	30.68
2,600.0	1.93	233.74	2,599.1	-17.8	-35.6	-14.5	0.68	0.56	11.80
2,625.0	1.88	231.95	2,624.1	-18.3	-36.3	-15.0	0.31	-0.20	-7.16
2,650.0	1.89	227.36	2,649.1	-18.8	-36.9	-15.4	0.61	0.04	-18.36
2,675.0	1.79	220.61	2,674.0	-19.4	-37.5	-16.0	0.95	-0.40	-27.00
2,700.0	1.35	202.71	2,699.0	-20.0	-37.8	-16.5	2.62	-1.76	-71.60
2,725.0	1.50	226.08	2,724.0	-20.4	-38.2	-17.0	2.38	0.60	93.48
2,750.0	1.53	227.05	2,749.0	-20.9	-38.7	-17.4	0.16	0.12	3.88
2,775.0	1.58	225.79	2,774.0	-21.4	-39.2	-17.8	0.24	0.20	-5.04
2,800.0	1.57	224.57	2,799.0	-21.9	-39.6	-18.2	0.14	-0.04	-4.88
2,825.0	1.48	215.92	2,824.0	-22.4	-40.1	-18.7	0.99	-0.36	-34.60
2,850.0	1.40	241.02	2,849.0	-22.8	-40.5	-19.1	2.52	-0.32	100.40
2,875.0	1.54	254.05	2,874.0	-23.0	-41.1	-19.3	1.45	0.56	52.12
2,900.0	1.47	260.39	2,899.0	-23.2	-41.8	-19.3	0.72	-0.28	25.36
2,925.0	1.13	263.40	2,924.0	-23.2	-42.3	-19.4	1.39	-1.36	12.04
2,950.0	1.60	263.02	2,949.0	-23.3	-42.9	-19.4	1.88	1.88	-1.52
2,975.0	1.69	263.13	2,973.9	-23.4	-43.6	-19.4	0.36	0.36	0.44
3,000.0	1.48	251.02	2,998.9	-23.5	-44.3	-19.5	1.58	-0.84	-48.44
3,025.0	1.37	254.02	3,023.9	-23.7	-44.9	-19.6	0.53	-0.44	12.00
3,050.0	1.25	257.35	3,048.9	-23.9	-45.4	-19.7	0.57	-0.48	13.32
3,075.0	1.11	261.63	3,073.9	-24.0	-45.9	-19.8	0.66	-0.56	17.12
3,100.0	1.13	258.14	3,098.9	-24.1	-46.4	-19.8	0.28	0.08	-13.96
3,125.0	1.25	254.87	3,123.9	-24.2	-46.9	-19.9	0.55	0.48	-13.08
3,150.0	1.75	242.77	3,148.9	-24.4	-47.5	-20.1	2.36	2.00	-48.40
3,175.0	1.86	244.95	3,173.9	-24.8	-48.2	-20.4	0.52	0.44	8.72
3,200.0	2.06	242.64	3,198.9	-25.1	-49.0	-20.7	0.86	0.80	-9.24
3,225.0	2.04	235.12	3,223.9	-25.6	-49.8	-21.1	1.08	-0.08	-30.08
3,250.0	2.06	227.17	3,248.8	-26.2	-50.5	-21.6	1.14	0.08	-31.80
3,275.0	1.97	214.42	3,273.8	-26.8	-51.0	-22.2	1.82	-0.36	-51.00
3,300.0	1.95	216.36	3,298.8	-27.5	-51.5	-22.8	0.28	-0.08	7.76
3,325.0	1.95	226.85	3,323.8	-28.2	-52.1	-23.4	1.43	0.00	41.96
3,350.0	2.65	231.13	3,348.8	-28.8	-52.9	-24.0	2.88	2.80	17.12
3,375.0	2.77	232.57	3,373.7	-29.5	-53.8	-24.6	0.55	0.48	5.76
3,400.0	3.01	227.02	3,398.7	-30.4	-54.7	-25.4	1.47	0.96	-22.20
3,425.0	2.97	232.76	3,423.7	-31.2	-55.7	-26.1	1.21	-0.16	22.96
3,450.0	2.65	232.75	3,448.6	-31.9	-56.7	-26.8	1.28	-1.28	-0.04
3,475.0	2.21	230.52	3,473.6	-32.6	-57.5	-27.3	1.80	-1.76	-8.92
3,500.0	2.00	218.39	3,498.6	-33.2	-58.2	-27.9	1.97	-0.84	-48.52
3,525.0	1.61	214.72	3,523.6	-33.9	-58.7	-28.5	1.63	-1.56	-14.68
3,550.0	1.26	216.23	3,548.6	-34.4	-59.0	-29.0	1.41	-1.40	6.04



Intrepid Survey Report



Company: Concho Resources, Inc.
Project: Lea County, NM (NAD 27 NME)
Site: (Dominator) Sec-25_T-25-S_R-33-E
Well: Dominator 25 Federal Com #708H
Wellbore: OWB
Design: AWB

Local Co-ordinate Reference: Well Dominator 25 Federal Com #708H
TVD Reference: KB @ 3363.6usft (Independence 205)
MD Reference: KB @ 3363.6usft (Independence 205)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.15 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)
3,575.0	1.36	213.24	3,573.6	-34.9	-59.4	-29.4	0.48	0.40	-11.96
3,600.0	1.59	219.34	3,598.6	-35.4	-59.7	-29.9	1.11	0.92	24.40
3,625.0	2.43	231.23	3,623.6	-36.0	-60.4	-30.5	3.73	3.36	47.56
3,650.0	3.55	234.98	3,648.5	-36.7	-61.4	-31.1	4.55	4.48	15.00
3,675.0	3.43	235.65	3,673.5	-37.6	-62.7	-31.9	0.51	-0.48	2.68
3,700.0	3.40	233.59	3,698.4	-38.5	-63.9	-32.6	0.51	-0.12	-8.24
3,725.0	3.64	234.42	3,723.4	-39.4	-65.1	-33.4	0.98	0.96	3.32
3,750.0	3.78	229.56	3,748.3	-40.4	-66.4	-34.3	1.38	0.56	-19.44
3,775.0	3.45	233.03	3,773.3	-41.4	-67.6	-35.2	1.58	-1.32	13.88
3,800.0	3.36	233.20	3,798.2	-42.3	-68.8	-36.0	0.36	-0.36	0.68
3,825.0	3.36	231.92	3,823.2	-43.1	-70.0	-36.7	0.30	0.00	-5.12
3,850.0	3.31	231.64	3,848.2	-44.0	-71.1	-37.5	0.21	-0.20	-1.12
3,875.0	2.93	229.80	3,873.1	-44.9	-72.2	-38.3	1.57	-1.52	-7.36
3,900.0	2.41	224.12	3,898.1	-45.7	-73.0	-39.0	2.33	-2.08	-22.72
3,925.0	2.10	219.20	3,923.1	-46.4	-73.7	-39.7	1.46	-1.24	-19.68
3,950.0	1.92	216.57	3,948.1	-47.1	-74.2	-40.3	0.81	-0.72	-10.52
3,975.0	1.82	205.87	3,973.0	-47.8	-74.6	-41.0	1.45	-0.40	-42.80
4,000.0	1.69	201.06	3,998.0	-48.5	-74.9	-41.6	0.79	-0.52	-19.24
4,025.0	1.62	211.83	4,023.0	-49.2	-75.3	-42.3	1.27	-0.28	43.08
4,050.0	1.59	210.71	4,048.0	-49.8	-75.6	-42.8	0.17	-0.12	-4.48
4,075.0	1.84	216.65	4,073.0	-50.4	-76.0	-43.4	1.23	1.00	23.76
4,100.0	2.36	226.11	4,098.0	-51.1	-76.7	-44.0	2.49	2.08	37.84
4,125.0	2.73	227.45	4,123.0	-51.8	-77.5	-44.7	1.50	1.48	5.36
4,150.0	3.20	232.78	4,147.9	-52.6	-78.5	-45.4	2.18	1.88	21.32
4,175.0	3.23	232.04	4,172.9	-53.5	-79.6	-46.2	0.20	0.12	-2.96
4,200.0	3.29	232.82	4,197.8	-54.4	-80.7	-47.0	0.30	0.24	3.12
4,225.0	3.42	231.36	4,222.8	-55.3	-81.9	-47.7	0.62	0.52	-5.84
4,250.0	3.24	232.42	4,247.8	-56.2	-83.0	-48.5	0.76	-0.72	4.24
4,275.0	3.14	235.45	4,272.7	-57.0	-84.1	-49.3	0.78	-0.40	12.12
4,300.0	3.10	237.13	4,297.7	-57.7	-85.2	-49.9	0.40	-0.16	6.72
4,325.0	3.05	234.81	4,322.6	-58.5	-86.4	-50.6	0.54	-0.20	-9.28
4,350.0	3.00	230.33	4,347.6	-59.3	-87.4	-51.3	0.97	-0.20	-17.92
4,375.0	2.63	228.96	4,372.6	-60.1	-88.3	-52.0	1.50	-1.48	-5.48
4,400.0	2.47	227.83	4,397.6	-60.8	-89.2	-52.6	0.67	-0.64	-4.52
4,425.0	2.23	220.82	4,422.5	-61.5	-89.9	-53.3	1.50	-0.96	-28.04
4,450.0	2.58	210.15	4,447.5	-62.4	-90.5	-54.1	2.27	1.40	-42.68
4,475.0	2.27	203.43	4,472.5	-63.3	-91.0	-55.0	1.68	-1.24	-26.88
4,500.0	1.94	196.08	4,497.5	-64.2	-91.3	-55.8	1.70	-1.32	-29.40
4,525.0	1.90	193.61	4,522.5	-65.0	-91.5	-56.6	0.37	-0.16	-9.88
4,550.0	1.85	183.69	4,547.4	-65.8	-91.6	-57.4	1.31	-0.20	-39.68
4,575.0	1.80	173.59	4,572.4	-66.6	-91.6	-58.2	1.30	-0.20	-40.40
4,600.0	1.69	171.07	4,597.4	-67.4	-91.5	-58.9	0.54	-0.44	-10.08
4,625.0	1.53	173.45	4,622.4	-68.1	-91.4	-59.6	0.69	-0.64	9.52



Intrepid Survey Report



Company: Concho Resources, Inc.
Project: Lea County, NM (NAD 27 NME)
Site: (Dominator) Sec-25_T-25-S_R-33-E
Well: Dominator 25 Federal Com #708H
Wellbore: OWB
Design: AWB

Local Co-ordinate Reference: Well Dominator 25 Federal Com #708H
TVD Reference: KB @ 3363.6usft (Independence 205)
MD Reference: KB @ 3363.6usft (Independence 205)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.15 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)
4,650.0	1.45	164.19	4,647.4	-68.7	-91.3	-60.3	1.01	-0.32	-37.04
4,675.0	1.44	152.20	4,672.4	-69.3	-91.1	-60.9	1.21	-0.04	-47.96
4,700.0	1.62	164.12	4,697.4	-69.9	-90.8	-61.5	1.46	0.72	47.68
4,725.0	1.66	149.27	4,722.4	-70.5	-90.5	-62.2	1.70	0.16	-59.40
4,750.0	1.79	152.58	4,747.4	-71.2	-90.2	-62.9	0.65	0.52	13.24
4,775.0	2.12	145.10	4,772.4	-71.9	-89.7	-63.6	1.67	1.32	-29.92
4,800.0	2.48	148.99	4,797.3	-72.8	-89.2	-64.5	1.57	1.44	15.56
4,825.0	2.54	142.54	4,822.3	-73.7	-88.6	-65.5	1.15	0.24	-25.80
4,850.0	2.59	143.30	4,847.3	-74.6	-87.9	-66.4	0.24	0.20	3.04
4,875.0	2.32	161.30	4,872.3	-75.5	-87.4	-67.4	3.25	-1.08	72.00
4,900.0	2.27	168.59	4,897.2	-76.5	-87.1	-68.4	1.18	-0.20	29.16
4,925.0	2.55	160.63	4,922.2	-77.5	-86.8	-69.4	1.74	1.12	-31.84
4,950.0	2.48	165.51	4,947.2	-78.5	-86.5	-70.5	0.90	-0.28	19.52
4,975.0	2.23	167.92	4,972.2	-79.5	-86.3	-71.5	1.08	-1.00	9.64
5,000.0	2.20	168.86	4,997.2	-80.5	-86.1	-72.5	0.19	-0.12	3.76
5,025.0	2.43	162.04	5,022.1	-81.4	-85.8	-73.5	1.43	0.92	-27.28
5,050.0	2.68	165.82	5,047.1	-82.5	-85.5	-74.6	1.21	1.00	15.12
5,075.0	2.42	190.57	5,072.1	-83.6	-85.5	-75.7	4.49	-1.04	99.00
5,100.0	2.50	198.57	5,097.1	-84.6	-85.8	-76.7	1.41	0.32	32.00
5,125.0	2.75	203.92	5,122.0	-85.7	-86.2	-77.7	1.40	1.00	21.40
5,150.0	3.52	216.44	5,147.0	-86.9	-86.9	-78.8	4.10	3.08	50.08
5,175.0	4.11	222.01	5,171.9	-88.1	-87.9	-80.0	2.78	2.36	22.28
5,200.0	4.01	223.84	5,196.9	-89.4	-89.1	-81.1	0.65	-0.40	7.32
5,225.0	3.96	224.80	5,221.8	-90.7	-90.3	-82.3	0.33	-0.20	3.84
5,250.0	3.96	226.00	5,246.8	-91.9	-91.6	-83.4	0.33	0.00	4.80
5,275.0	4.01	224.28	5,271.7	-93.1	-92.8	-84.5	0.52	0.20	-6.88
5,300.0	4.07	225.61	5,296.6	-94.4	-94.0	-85.6	0.45	0.24	5.32
5,325.0	4.19	224.70	5,321.6	-95.6	-95.3	-86.8	0.55	0.48	-3.64
5,350.0	4.10	229.00	5,346.5	-96.9	-96.6	-87.9	1.29	-0.36	17.20
5,375.0	4.08	228.64	5,371.4	-98.0	-98.0	-88.9	0.13	-0.08	-1.44
5,400.0	4.03	230.45	5,396.4	-99.2	-99.3	-90.0	0.55	-0.20	7.24
5,425.0	4.11	229.55	5,421.3	-100.3	-100.7	-91.0	0.41	0.32	-3.60
5,450.0	4.10	230.72	5,446.3	-101.5	-102.1	-92.0	0.34	-0.04	4.68
5,475.0	4.09	230.13	5,471.2	-102.6	-103.4	-93.0	0.17	-0.04	-2.36
5,500.0	4.00	234.76	5,496.1	-103.7	-104.8	-93.9	1.35	-0.36	18.52
5,525.0	3.69	248.10	5,521.1	-104.5	-106.3	-94.6	3.78	-1.24	53.36
5,550.0	3.37	265.57	5,546.0	-104.9	-107.8	-94.8	4.47	-1.28	69.88
5,575.0	3.50	268.57	5,571.0	-104.9	-109.3	-94.8	0.89	0.52	12.00
5,600.0	3.38	268.99	5,595.9	-105.0	-110.8	-94.7	0.49	-0.48	1.68
5,625.0	3.15	266.61	5,620.9	-105.0	-112.2	-94.6	1.07	-0.92	-9.52
5,650.0	3.40	267.26	5,645.9	-105.1	-113.6	-94.6	1.01	1.00	2.60
5,675.0	3.29	268.06	5,670.8	-105.2	-115.1	-94.5	0.48	-0.44	3.20
5,700.0	3.37	269.68	5,695.8	-105.2	-116.5	-94.4	0.49	0.32	6.48



Intrepid Survey Report



Company: Concho Resources, Inc.
Project: Lea County, NM (NAD 27 NME)
Site: (Dominator) Sec-25_T-25-S_R-33-E
Well: Dominator 25 Federal Com #708H
Wellbore: OWB
Design: AWB

Local Co-ordinate Reference: Well Dominator 25 Federal Com #708H
TVD Reference: KB @ 3363.6usft (Independence 205)
MD Reference: KB @ 3363.6usft (Independence 205)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.15 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)
5,725.0	3.34	270.46	5,720.7	-105.2	-118.0	-94.3	0.22	-0.12	3.12
5,750.0	3.32	265.40	5,745.7	-105.2	-119.4	-94.2	1.18	-0.08	-20.24
5,775.0	3.34	265.90	5,770.6	-105.3	-120.9	-94.2	0.14	0.08	2.00
5,800.0	3.33	269.07	5,795.6	-105.4	-122.3	-94.1	0.74	-0.04	12.68
5,825.0	3.35	269.83	5,820.6	-105.4	-123.8	-94.0	0.19	0.08	3.04
5,850.0	3.22	269.83	5,845.5	-105.4	-125.2	-93.9	0.52	-0.52	0.00
5,875.0	3.28	269.78	5,870.5	-105.4	-126.6	-93.7	0.24	0.24	-0.20
5,900.0	3.42	267.82	5,895.4	-105.5	-128.1	-93.6	0.72	0.56	-7.84
5,925.0	3.27	269.43	5,920.4	-105.5	-129.6	-93.5	0.71	-0.60	6.44
5,950.0	3.16	269.01	5,945.4	-105.5	-131.0	-93.4	0.45	-0.44	-1.68
5,975.0	3.22	268.32	5,970.3	-105.5	-132.4	-93.3	0.28	0.24	-2.76
6,000.0	3.26	267.51	5,995.3	-105.6	-133.8	-93.3	0.24	0.16	-3.24
6,025.0	3.08	264.99	6,020.2	-105.7	-135.1	-93.2	0.91	-0.72	-10.08
6,050.0	3.05	267.22	6,045.2	-105.8	-136.5	-93.2	0.49	-0.12	8.92
6,075.0	3.05	266.77	6,070.2	-105.8	-137.8	-93.2	0.10	0.00	-1.80
6,100.0	2.97	255.52	6,095.1	-106.0	-139.1	-93.2	2.38	-0.32	-45.00
6,125.0	3.14	258.91	6,120.1	-106.3	-140.4	-93.4	0.99	0.68	13.56
6,150.0	2.92	264.37	6,145.1	-106.5	-141.7	-93.5	1.45	-0.88	21.84
6,175.0	2.81	264.66	6,170.0	-106.7	-142.9	-93.5	0.44	-0.44	1.16
6,200.0	2.94	265.26	6,195.0	-106.8	-144.2	-93.5	0.53	0.52	2.40
6,225.0	2.68	259.13	6,220.0	-106.9	-145.4	-93.6	1.59	-1.04	-24.52
6,250.0	2.50	267.91	6,244.9	-107.1	-146.5	-93.6	1.74	-0.72	35.12
6,275.0	2.70	266.12	6,269.9	-107.1	-147.7	-93.5	0.86	0.80	-7.16
6,300.0	2.60	265.38	6,294.9	-107.2	-148.8	-93.5	0.42	-0.40	-2.96
6,325.0	2.60	262.67	6,319.9	-107.3	-149.9	-93.5	0.49	0.00	-10.84
6,350.0	2.36	263.23	6,344.8	-107.5	-151.0	-93.6	0.96	-0.96	2.24
6,375.0	2.66	269.29	6,369.8	-107.5	-152.1	-93.5	1.60	1.20	24.24
6,400.0	2.58	266.11	6,394.8	-107.6	-153.2	-93.5	0.66	-0.32	-12.72
6,425.0	2.51	266.34	6,419.8	-107.6	-154.4	-93.5	0.28	-0.28	0.92
6,450.0	2.31	264.43	6,444.7	-107.7	-155.4	-93.5	0.86	-0.80	-7.64
6,475.0	2.48	267.76	6,469.7	-107.8	-156.4	-93.4	0.88	0.68	13.32
6,500.0	2.46	261.42	6,494.7	-107.9	-157.5	-93.4	1.10	-0.08	-25.36
6,525.0	2.46	266.54	6,519.7	-108.0	-158.6	-93.5	0.88	0.00	20.48
6,550.0	2.41	267.05	6,544.7	-108.1	-159.6	-93.4	0.22	-0.20	2.04
6,575.0	2.48	266.67	6,569.6	-108.1	-160.7	-93.4	0.29	0.28	-1.52
6,600.0	2.44	269.96	6,594.6	-108.2	-161.8	-93.3	0.59	-0.16	13.16
6,625.0	2.19	266.30	6,619.6	-108.2	-162.8	-93.3	1.16	-1.00	-14.64
6,650.0	2.40	266.89	6,644.6	-108.2	-163.8	-93.2	0.85	0.84	2.36
6,675.0	2.36	268.17	6,669.5	-108.3	-164.8	-93.2	0.27	-0.16	5.12
6,700.0	2.34	258.76	6,694.5	-108.4	-165.8	-93.2	1.54	-0.08	-37.64
6,725.0	2.31	262.09	6,719.5	-108.6	-166.8	-93.3	0.55	-0.12	13.32
6,750.0	2.33	265.76	6,744.5	-108.7	-167.8	-93.3	0.60	0.08	14.68
6,775.0	2.37	265.05	6,769.5	-108.8	-168.9	-93.3	0.20	0.16	-2.84
6,800.0	2.57	262.94	6,794.4	-108.9	-169.9	-93.3	0.88	0.80	-8.44



Intrepid Survey Report



Company: Concho Resources, Inc.
Project: Lea County, NM (NAD 27 NME)
Site: (Dominator) Sec-25_T-25-S_R-33-E
Well: Dominator 25 Federal Com #708H
Wellbore: OWB
Design: AWB

Local Co-ordinate Reference: Well Dominator 25 Federal Com #708H
TVD Reference: KB @ 3363.6usft (Independence 205)
MD Reference: KB @ 3363.6usft (Independence 205)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.15 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)
6,825.0	2.28	267.01	6,819.4	-109.0	-171.0	-93.3	1.35	-1.16	16.28
6,850.0	2.38	262.07	6,844.4	-109.1	-172.0	-93.3	0.90	0.40	-19.76
6,875.0	2.26	266.16	6,869.4	-109.2	-173.0	-93.3	0.82	-0.48	16.36
6,900.0	2.14	267.15	6,894.4	-109.2	-174.0	-93.3	0.50	-0.48	3.96
6,925.0	2.11	265.77	6,919.3	-109.3	-174.9	-93.3	0.24	-0.12	-5.52
6,950.0	2.27	264.71	6,944.3	-109.4	-175.8	-93.3	0.66	0.64	-4.24
6,975.0	2.05	265.17	6,969.3	-109.5	-176.8	-93.3	0.88	-0.88	1.84
7,000.0	2.06	264.95	6,994.3	-109.5	-177.7	-93.3	0.05	0.04	-0.88
7,025.0	1.93	260.93	7,019.3	-109.6	-178.5	-93.3	0.76	-0.52	-16.08
7,050.0	2.19	258.45	7,044.3	-109.8	-179.4	-93.4	1.10	1.04	-9.92
7,075.0	2.16	257.37	7,069.2	-110.0	-180.3	-93.5	0.20	-0.12	-4.32
7,100.0	2.03	258.37	7,094.2	-110.2	-181.2	-93.6	0.54	-0.52	4.00
7,125.0	1.93	264.59	7,119.2	-110.3	-182.1	-93.7	0.95	-0.40	24.88
7,150.0	1.89	266.04	7,144.2	-110.4	-182.9	-93.7	0.25	-0.16	5.80
7,175.0	1.75	263.67	7,169.2	-110.5	-183.7	-93.7	0.64	-0.56	-9.48
7,200.0	1.72	266.58	7,194.2	-110.5	-184.5	-93.7	0.37	-0.12	11.64
7,225.0	2.00	265.68	7,219.2	-110.6	-185.3	-93.6	1.13	1.12	-3.60
7,250.0	1.83	266.23	7,244.1	-110.6	-186.1	-93.6	0.68	-0.68	2.20
7,275.0	1.78	265.72	7,269.1	-110.7	-186.9	-93.6	0.21	-0.20	-2.04
7,300.0	1.71	252.98	7,294.1	-110.8	-187.6	-93.7	1.57	-0.28	-50.96
7,325.0	1.74	258.51	7,319.1	-111.0	-188.4	-93.8	0.68	0.12	22.12
7,350.0	1.77	265.73	7,344.1	-111.1	-189.1	-93.8	0.89	0.12	28.88
7,375.0	1.74	266.61	7,369.1	-111.2	-189.9	-93.8	0.16	-0.12	3.52
7,400.0	2.34	269.67	7,394.1	-111.2	-190.8	-93.8	2.44	2.40	12.24
7,425.0	2.55	258.90	7,419.0	-111.3	-191.8	-93.8	2.02	0.84	-43.08
7,450.0	2.64	258.11	7,444.0	-111.5	-192.9	-93.9	0.39	0.36	-3.16
7,475.0	2.61	267.23	7,469.0	-111.7	-194.1	-93.9	1.67	-0.12	36.48
7,500.0	2.62	266.01	7,494.0	-111.7	-195.2	-93.9	0.23	0.04	-4.88
7,525.0	2.67	262.18	7,518.9	-111.9	-196.4	-93.9	0.73	0.20	-15.32
7,550.0	2.80	262.55	7,543.9	-112.0	-197.5	-94.0	0.52	0.52	1.48
7,575.0	2.85	263.42	7,568.9	-112.2	-198.8	-94.0	0.26	0.20	3.48
7,600.0	2.69	255.58	7,593.9	-112.4	-200.0	-94.1	1.64	-0.64	-31.36
7,625.0	3.04	243.63	7,618.8	-112.8	-201.1	-94.5	2.76	1.40	-47.80
7,650.0	3.69	239.37	7,643.8	-113.5	-202.4	-95.1	2.78	2.60	-17.04
7,675.0	3.57	237.19	7,668.7	-114.4	-203.8	-95.8	0.73	-0.48	-8.72
7,700.0	3.45	240.11	7,693.7	-115.2	-205.1	-96.4	0.86	-0.48	11.68
7,725.0	3.48	238.90	7,718.6	-115.9	-206.4	-97.1	0.32	0.12	-4.84
7,750.0	3.48	238.55	7,743.6	-116.7	-207.7	-97.8	0.08	0.00	-1.40
7,775.0	3.50	235.29	7,768.5	-117.5	-208.9	-98.5	0.80	0.08	-13.04
7,800.0	3.39	233.46	7,793.5	-118.4	-210.2	-99.2	0.62	-0.44	-7.32
7,825.0	3.17	235.29	7,818.5	-119.3	-211.3	-100.0	0.97	-0.88	7.32
7,850.0	3.18	234.37	7,843.4	-120.1	-212.4	-100.7	0.21	0.04	-3.68
7,875.0	3.27	228.73	7,868.4	-120.9	-213.5	-101.4	1.32	0.36	-22.56



Intrepid Survey Report



Company: Concho Resources, Inc.
Project: Lea County, NM (NAD 27 NME)
Site: (Dominator) Sec-25_T-25-S_R-33-E
Well: Dominator 25 Federal Com #708H
Wellbore: OWB
Design: AWB

Local Co-ordinate Reference: Well Dominator 25 Federal Com #708H
TVD Reference: KB @ 3363.6usft (Independence 205)
MD Reference: KB @ 3363.6usft (Independence 205)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.15 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)
7,900.0	3.22	229.36	7,893.3	-121.9	-214.6	-102.3	0.25	-0.20	2.52
7,925.0	3.21	227.21	7,918.3	-122.8	-215.7	-103.1	0.48	-0.04	-8.60
7,950.0	3.03	232.50	7,943.3	-123.7	-216.7	-103.9	1.36	-0.72	21.16
7,975.0	2.95	232.25	7,968.2	-124.5	-217.7	-104.6	0.32	-0.32	-1.00
8,000.0	3.05	226.08	7,993.2	-125.3	-218.7	-105.3	1.35	0.40	-24.68
8,025.0	2.83	230.00	8,018.2	-126.2	-219.7	-106.1	1.19	-0.88	15.68
8,050.0	2.81	229.79	8,043.1	-127.0	-220.6	-106.8	0.09	-0.08	-0.84
8,075.0	2.78	231.91	8,068.1	-127.7	-221.6	-107.5	0.43	-0.12	8.48
8,100.0	2.86	232.90	8,093.1	-128.5	-222.5	-108.2	0.37	0.32	3.96
8,125.0	2.79	231.11	8,118.0	-129.2	-223.5	-108.8	0.45	-0.28	-7.16
8,150.0	2.98	224.21	8,143.0	-130.1	-224.4	-109.6	1.58	0.76	-27.60
8,175.0	2.95	229.45	8,168.0	-131.0	-225.4	-110.4	1.09	-0.12	20.96
8,200.0	2.83	231.76	8,192.9	-131.8	-226.3	-111.1	0.67	-0.48	9.24
8,225.0	2.85	235.52	8,217.9	-132.5	-227.3	-111.7	0.75	0.08	15.04
8,250.0	2.98	231.74	8,242.9	-133.3	-228.4	-112.4	0.93	0.52	-15.12
8,275.0	2.88	238.01	8,267.8	-134.0	-229.4	-113.0	1.34	-0.40	25.08
8,300.0	2.78	245.37	8,292.8	-134.6	-230.5	-113.5	1.51	-0.40	29.44
8,325.0	2.77	245.17	8,317.8	-135.1	-231.6	-113.9	0.06	-0.04	-0.80
8,350.0	2.78	244.52	8,342.8	-135.6	-232.7	-114.3	0.13	0.04	-2.60
8,375.0	2.73	243.64	8,367.7	-136.1	-233.8	-114.8	0.26	-0.20	-3.52
8,400.0	2.66	244.55	8,392.7	-136.6	-234.8	-115.2	0.33	-0.28	3.64
8,425.0	2.71	246.12	8,417.7	-137.1	-235.9	-115.6	0.36	0.20	6.28
8,450.0	2.56	247.48	8,442.6	-137.6	-236.9	-115.9	0.65	-0.60	5.44
8,475.0	2.56	244.20	8,467.6	-138.0	-238.0	-116.3	0.59	0.00	-13.12
8,500.0	2.55	247.36	8,492.6	-138.5	-239.0	-116.7	0.56	-0.04	12.64
8,525.0	2.64	242.99	8,517.6	-139.0	-240.0	-117.0	0.87	0.36	-17.48
8,550.0	2.56	246.29	8,542.5	-139.5	-241.0	-117.4	0.68	-0.32	13.20
8,575.0	2.50	246.77	8,567.5	-139.9	-242.0	-117.8	0.25	-0.24	1.92
8,600.0	2.55	245.12	8,592.5	-140.4	-243.0	-118.1	0.35	0.20	-6.60
8,625.0	2.54	238.87	8,617.5	-140.9	-244.0	-118.6	1.11	-0.04	-25.00
8,650.0	2.44	243.13	8,642.5	-141.4	-245.0	-119.0	0.84	-0.40	17.04
8,675.0	2.42	243.77	8,667.4	-141.9	-245.9	-119.4	0.13	-0.08	2.56
8,700.0	2.41	245.38	8,692.4	-142.3	-246.9	-119.8	0.27	-0.04	6.44
8,725.0	2.47	236.30	8,717.4	-142.8	-247.8	-120.2	1.56	0.24	-36.32
8,750.0	2.14	243.37	8,742.4	-143.4	-248.7	-120.6	1.74	-1.32	28.28
8,775.0	2.48	241.81	8,767.3	-143.8	-249.6	-121.0	1.38	1.36	-6.24
8,800.0	2.36	244.86	8,792.3	-144.3	-250.5	-121.4	0.70	-0.48	12.20
8,825.0	2.26	244.33	8,817.3	-144.7	-251.4	-121.8	0.41	-0.40	-2.12
8,850.0	2.26	241.30	8,842.3	-145.2	-252.3	-122.1	0.48	0.00	-12.12
8,875.0	2.25	240.34	8,867.3	-145.7	-253.1	-122.5	0.16	-0.04	-3.84
8,900.0	2.21	244.85	8,892.2	-146.1	-254.0	-122.9	0.72	-0.16	18.04
8,925.0	2.16	245.76	8,917.2	-146.5	-254.9	-123.2	0.24	-0.20	3.64
8,950.0	2.18	236.88	8,942.2	-147.0	-255.7	-123.6	1.35	0.08	-35.52



Intrepid Survey Report



Company: Concho Resources, Inc.
Project: Lea County, NM (NAD 27 NME)
Site: (Dominator) Sec-25_T-25-S_R-33-E
Well: Dominator 25 Federal Com #708H
Wellbore: OWB
Design: AWB

Local Co-ordinate Reference: Well Dominator 25 Federal Com #708H
TVD Reference: KB @ 3363.6usft (Independence 205)
MD Reference: KB @ 3363.6usft (Independence 205)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.15 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)
8,975.0	2.03	240.32	8,967.2	-147.4	-256.5	-124.0	0.78	-0.60	13.76
9,000.0	2.39	247.31	8,992.2	-147.9	-257.4	-124.3	1.80	1.44	27.96
9,025.0	2.14	247.67	9,017.2	-148.2	-258.3	-124.6	1.00	-1.00	1.44
9,050.0	2.09	247.30	9,042.1	-148.6	-259.1	-124.9	0.21	-0.20	-1.48
9,075.0	2.03	246.26	9,067.1	-148.9	-259.9	-125.2	0.28	-0.24	-4.16
9,100.0	1.97	248.29	9,092.1	-149.3	-260.7	-125.5	0.37	-0.24	8.12
9,125.0	2.07	249.48	9,117.1	-149.6	-261.6	-125.7	0.43	0.40	4.76
9,150.0	2.05	250.12	9,142.1	-149.9	-262.4	-125.9	0.12	-0.08	2.56
9,175.0	2.01	249.91	9,167.1	-150.2	-263.2	-126.2	0.16	-0.16	-0.84
9,200.0	2.12	242.39	9,192.0	-150.6	-264.1	-126.5	1.17	0.44	-30.08
9,225.0	1.91	245.55	9,217.0	-151.0	-264.9	-126.8	0.95	-0.84	12.64
9,250.0	1.97	252.60	9,242.0	-151.3	-265.6	-127.0	0.98	0.24	28.20
9,275.0	2.00	255.89	9,267.0	-151.5	-266.5	-127.2	0.47	0.12	13.16
9,300.0	1.91	248.06	9,292.0	-151.8	-267.3	-127.3	1.13	-0.36	-31.32
9,325.0	1.83	254.21	9,317.0	-152.0	-268.1	-127.5	0.86	-0.32	24.60
9,350.0	2.03	255.58	9,342.0	-152.2	-268.9	-127.7	0.82	0.80	5.48
9,375.0	1.99	257.63	9,366.9	-152.4	-269.7	-127.8	0.33	-0.16	8.20
9,400.0	1.93	260.18	9,391.9	-152.6	-270.6	-127.9	0.42	-0.24	10.20
9,425.0	1.93	263.75	9,416.9	-152.7	-271.4	-127.9	0.48	0.00	14.28
9,450.0	2.05	262.80	9,441.9	-152.8	-272.3	-128.0	0.50	0.48	-3.80
9,475.0	2.08	268.52	9,466.9	-152.9	-273.2	-128.0	0.83	0.12	22.88
9,500.0	2.18	274.91	9,491.9	-152.9	-274.1	-127.8	1.03	0.40	25.56
9,525.0	2.19	276.56	9,516.8	-152.8	-275.0	-127.7	0.25	0.04	6.60
9,550.0	2.20	271.41	9,541.8	-152.7	-276.0	-127.5	0.79	0.04	-20.60
9,575.0	2.23	269.14	9,566.8	-152.7	-277.0	-127.4	0.37	0.12	-9.08
9,600.0	2.26	276.84	9,591.8	-152.6	-277.9	-127.3	1.21	0.12	30.80
9,625.0	2.25	274.74	9,616.8	-152.5	-278.9	-127.1	0.33	-0.04	-8.40
9,650.0	2.27	276.75	9,641.7	-152.4	-279.9	-126.9	0.33	0.08	8.04
9,675.0	2.61	271.91	9,666.7	-152.4	-280.9	-126.7	1.59	1.36	-19.36
9,700.0	2.35	272.92	9,691.7	-152.3	-282.0	-126.6	1.05	-1.04	4.04
9,725.0	2.36	272.48	9,716.7	-152.3	-283.1	-126.5	0.08	0.04	-1.76
9,750.0	2.37	270.76	9,741.7	-152.2	-284.1	-126.3	0.29	0.04	-6.88
9,775.0	2.39	269.61	9,766.6	-152.2	-285.1	-126.2	0.21	0.08	-4.60
9,800.0	2.75	264.67	9,791.6	-152.3	-286.2	-126.2	1.69	1.44	-19.76
9,825.0	2.82	265.41	9,816.6	-152.4	-287.5	-126.2	0.31	0.28	2.96
9,850.0	2.41	268.72	9,841.6	-152.5	-288.6	-126.2	1.75	-1.64	13.24
9,875.0	2.25	270.19	9,866.5	-152.5	-289.6	-126.1	0.68	-0.64	5.88
9,900.0	2.42	263.75	9,891.5	-152.5	-290.6	-126.0	1.25	0.68	-25.76
9,925.0	2.25	263.85	9,916.5	-152.6	-291.6	-126.1	0.68	-0.68	0.40
9,950.0	2.16	272.85	9,941.5	-152.7	-292.6	-126.0	1.43	-0.36	36.00
9,975.0	2.47	274.54	9,966.5	-152.6	-293.6	-125.9	1.27	1.24	6.76
10,000.0	2.61	276.71	9,991.4	-152.5	-294.7	-125.6	0.68	0.56	8.68
10,025.0	2.47	267.94	10,016.4	-152.5	-295.8	-125.5	1.65	-0.56	-35.08
10,050.0	2.46	271.67	10,041.4	-152.5	-296.9	-125.4	0.64	-0.04	14.92



Intrepid
Survey Report



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Survey

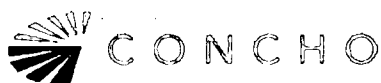
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
10,075.0	2.56	265.71	10,066.4	-152.5	-298.0	-125.3	1.12	0.40	-23.84
10,100.0	2.46	262.17	10,091.3	-152.6	-299.1	-125.4	0.74	-0.40	-14.16
10,125.0	2.50	261.00	10,116.3	-152.8	-300.1	-125.4	0.26	0.16	-4.68
10,150.0	2.55	259.06	10,141.3	-152.9	-301.2	-125.5	0.40	0.20	-7.76
10,175.0	2.52	248.51	10,166.3	-153.3	-302.3	-125.7	1.87	-0.12	-42.20
10,200.0	2.40	249.35	10,191.2	-153.6	-303.3	-126.0	0.50	-0.48	3.36
10,225.0	2.37	253.86	10,216.2	-154.0	-304.3	-126.3	0.76	-0.12	18.04
10,250.0	2.48	256.12	10,241.2	-154.2	-305.3	-126.4	0.58	0.44	9.04
10,275.0	2.76	247.13	10,266.2	-154.6	-306.4	-126.7	1.99	1.12	-35.96
10,300.0	2.58	250.73	10,291.1	-155.0	-307.4	-127.0	0.98	-0.72	14.40
10,325.0	2.61	254.35	10,316.1	-155.4	-308.5	-127.3	0.67	0.12	14.48
10,350.0	2.60	254.20	10,341.1	-155.7	-309.6	-127.5	0.05	-0.04	-0.60
10,375.0	2.40	253.54	10,366.1	-156.0	-310.7	-127.7	0.81	-0.80	-2.64
10,400.0	2.50	249.04	10,391.0	-156.3	-311.7	-127.9	0.87	0.40	-18.00
10,425.0	2.28	249.80	10,416.0	-156.7	-312.7	-128.2	0.89	-0.88	3.04
10,450.0	2.12	257.50	10,441.0	-157.0	-313.6	-128.4	1.34	-0.64	30.80
10,475.0	2.05	256.11	10,466.0	-157.2	-314.5	-128.5	0.35	-0.28	-5.56
10,500.0	1.97	249.78	10,491.0	-157.4	-315.3	-128.7	0.94	-0.32	-25.32
10,525.0	1.96	246.80	10,516.0	-157.7	-316.1	-129.0	0.41	-0.04	-11.92
10,550.0	1.84	244.08	10,540.9	-158.1	-316.8	-129.2	0.60	-0.48	-10.88
10,575.0	1.64	246.95	10,565.9	-158.4	-317.5	-129.5	0.87	-0.80	11.48
10,600.0	1.69	245.72	10,590.9	-158.7	-318.2	-129.7	0.25	0.20	-4.92
10,625.0	1.46	235.90	10,615.9	-159.0	-318.8	-130.0	1.42	-0.92	-39.28
10,650.0	1.20	240.48	10,640.9	-159.3	-319.3	-130.3	1.12	-1.04	18.32
10,675.0	1.29	243.68	10,665.9	-159.6	-319.8	-130.5	0.45	0.36	12.80
10,700.0	1.29	243.73	10,690.9	-159.8	-320.3	-130.7	0.00	0.00	0.20
10,725.0	1.30	237.80	10,715.9	-160.1	-320.8	-130.9	0.54	0.04	-23.72
10,750.0	1.22	239.52	10,740.9	-160.4	-321.2	-131.1	0.35	-0.32	6.88
10,775.0	1.36	238.19	10,765.9	-160.7	-321.7	-131.4	0.57	0.56	-5.32
10,800.0	1.30	235.96	10,790.9	-161.0	-322.2	-131.7	0.32	-0.24	-8.92
10,825.0	1.22	238.75	10,815.9	-161.3	-322.7	-131.9	0.40	-0.32	11.16
10,850.0	1.22	238.53	10,840.9	-161.6	-323.1	-132.1	0.02	0.00	-0.88
10,875.0	1.34	228.31	10,865.8	-161.9	-323.6	-132.4	1.03	0.48	-40.88
10,900.0	1.28	221.52	10,890.8	-162.3	-324.0	-132.8	0.67	-0.24	-27.16
10,925.0	1.79	218.29	10,915.8	-162.8	-324.4	-133.3	2.07	2.04	-12.92
10,950.0	2.26	213.64	10,940.8	-163.5	-324.9	-133.9	1.99	1.88	-18.60
10,975.0	2.37	209.82	10,965.8	-164.4	-325.4	-134.8	0.76	0.44	-15.28
11,000.0	2.30	212.41	10,990.8	-165.3	-326.0	-135.6	0.51	-0.28	10.36
11,025.0	2.48	220.23	11,015.8	-166.1	-326.6	-136.4	1.49	0.72	31.28
11,050.0	3.00	230.38	11,040.7	-166.9	-327.4	-137.1	2.84	2.08	40.60
11,075.0	3.09	233.20	11,065.7	-167.8	-328.5	-137.8	0.70	0.36	11.28
11,100.0	2.92	236.97	11,090.7	-168.5	-329.6	-138.5	1.04	-0.68	15.08
11,125.0	2.86	242.13	11,115.6	-169.1	-330.6	-139.0	1.07	-0.24	20.64

Company: Concho Resources, Inc.
Project: Lea County, NM (NAD 27 NME)
Site: (Dominator) Sec-25_T-25-S_R-33-E
Well: Dominator 25 Federal Com #708H
Wellbore: OWB
Design: AWB

Local Co-ordinate Reference: Well Dominator 25 Federal Com #708H
TVD Reference: KB @ 3363.6usft (Independence 205)
MD Reference: KB @ 3363.6usft (Independence 205)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.15 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)
11,150.0	2.80	245.35	11,140.6	-169.7	-331.8	-139.5	0.68	-0.24	12.88
11,175.0	2.89	250.82	11,165.6	-170.2	-332.9	-139.8	1.14	0.36	21.88
11,200.0	3.04	253.35	11,190.5	-170.6	-334.1	-140.1	0.80	0.60	10.12
11,225.0	3.09	251.63	11,215.5	-171.0	-335.4	-140.4	0.42	0.20	-6.88
11,250.0	3.08	252.28	11,240.5	-171.4	-336.7	-140.7	0.15	-0.04	2.60
11,275.0	2.82	249.81	11,265.4	-171.8	-337.9	-141.0	1.16	-1.04	-9.88
11,300.0	2.68	250.71	11,290.4	-172.2	-339.0	-141.3	0.59	-0.56	3.60
11,325.0	2.50	250.88	11,315.4	-172.6	-340.1	-141.6	0.72	-0.72	0.68
11,350.0	2.43	248.60	11,340.3	-172.9	-341.1	-141.9	0.48	-0.28	-9.12
11,375.0	2.30	251.09	11,365.3	-173.3	-342.1	-142.1	0.66	-0.52	9.96
11,400.0	2.21	249.52	11,390.3	-173.6	-343.0	-142.4	0.44	-0.36	-6.28
11,425.0	2.12	249.37	11,415.3	-174.0	-343.9	-142.6	0.36	-0.36	-0.60
11,450.0	2.08	250.83	11,440.3	-174.3	-344.7	-142.9	0.27	-0.16	5.84
11,475.0	2.08	250.89	11,465.3	-174.6	-345.6	-143.1	0.01	0.00	0.24
11,500.0	2.04	255.21	11,490.2	-174.8	-346.5	-143.3	0.64	-0.16	17.28
11,525.0	2.16	268.50	11,515.2	-175.0	-347.4	-143.3	2.00	0.48	53.16
11,550.0	2.20	266.44	11,540.2	-175.0	-348.3	-143.3	0.35	0.16	-8.24
11,575.0	2.22	267.64	11,565.2	-175.0	-349.3	-143.2	0.20	0.08	4.80
11,600.0	2.27	274.03	11,590.2	-175.0	-350.3	-143.1	1.02	0.20	25.56
11,625.0	2.18	275.12	11,615.1	-175.0	-351.2	-143.0	0.40	-0.36	4.36
11,650.0	1.88	270.86	11,640.1	-174.9	-352.1	-142.8	1.34	-1.20	-17.04
11,655.0	1.82	269.84	11,645.1	-174.9	-352.3	-142.8	1.37	-1.20	-20.40
11,898.0	1.12	193.83	11,888.1	-177.2	-356.7	-144.7	0.78	-0.29	-31.28
11,992.0	1.22	196.81	11,982.0	-179.1	-357.2	-146.5	0.12	0.11	3.17
12,087.0	1.57	186.23	12,077.0	-181.3	-357.6	-148.8	0.46	0.37	-11.14
12,181.0	2.02	194.21	12,171.0	-184.2	-358.2	-151.6	0.55	0.48	8.49
12,275.0	2.20	196.23	12,264.9	-187.6	-359.1	-154.8	0.21	0.19	2.15
12,332.0	1.54	197.48	12,321.9	-189.3	-359.6	-156.6	1.16	-1.16	2.19
12,397.0	1.49	356.72	12,386.9	-189.3	-359.9	-156.5	4.59	-0.08	244.98
12,429.0	5.10	352.43	12,418.8	-187.5	-360.2	-154.7	11.30	11.28	-13.41
12,461.0	8.90	348.94	12,450.6	-183.7	-360.8	-150.8	11.94	11.88	-10.91
12,493.0	11.64	347.79	12,482.1	-178.1	-362.0	-145.1	8.59	8.56	-3.59
12,540.0	14.46	349.27	12,527.8	-167.7	-364.1	-134.6	6.04	6.00	3.15
12,588.0	16.12	350.80	12,574.1	-155.2	-366.3	-122.0	3.56	3.46	3.19
12,635.0	25.36	350.55	12,618.0	-138.8	-369.0	-105.4	19.66	19.66	-0.53
12,683.0	34.02	348.69	12,659.7	-115.4	-373.3	-81.7	18.14	18.04	-3.88
12,730.0	43.19	351.94	12,696.4	-86.6	-378.1	-52.5	19.98	19.51	6.91
12,777.0	51.74	353.99	12,728.1	-52.2	-382.3	-18.0	18.47	18.19	4.36
12,824.0	60.82	0.96	12,754.2	-13.2	-383.9	21.0	22.90	19.32	14.83
12,871.0	68.80	359.67	12,774.2	29.2	-383.7	63.3	17.16	16.98	-2.74
12,890.1	73.57	358.24	12,780.4	47.3	-384.0	81.3	25.93	24.95	-7.47
FTP @ 12890.1'MD, 330'FSL & 384.8'FEL									
12,902.0	76.54	357.39	12,783.4	58.8	-384.5	92.8	25.93	24.99	-7.17



Intrepid Survey Report



Company: Concho Resources, Inc.
Project: Lea County, NM (NAD 27 NME)
Site: (Dominator) Sec-25_T-25-S_R-33-E
Well: Dominator 25 Federal Com #708H
Wellbore: OWB
Design: AWB

Local Co-ordinate Reference: Well Dominator 25 Federal Com #708H
TVD Reference: KB @ 3363.6usft (Independence 205)
MD Reference: KB @ 3363.6usft (Independence 205)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.15 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)
12,922.0	80.13	357.98	12,787.5	78.4	-385.3	112.4	18.18	17.95	2.95
12,964.0	86.44	358.53	12,792.4	120.0	-386.5	154.0	15.08	15.02	1.31
12,995.0	88.41	358.64	12,793.8	151.0	-387.3	184.9	6.36	6.35	0.35
13,026.0	89.22	358.33	12,794.4	182.0	-388.1	215.8	2.80	2.61	-1.00
13,057.0	89.45	358.02	12,794.8	213.0	-389.1	246.8	1.25	0.74	-1.00
13,152.0	88.56	356.23	12,796.4	307.8	-393.9	341.7	2.10	-0.94	-1.88
13,246.0	89.05	355.78	12,798.4	401.6	-400.4	435.6	0.71	0.52	-0.48
13,339.0	89.66	355.31	12,799.4	494.3	-407.6	528.6	0.83	0.66	-0.51
13,435.0	87.85	355.75	12,801.5	590.0	-415.1	624.6	1.94	-1.89	0.46
13,530.0	89.62	357.13	12,803.6	684.8	-421.0	719.5	2.36	1.86	1.45
13,623.0	89.70	358.11	12,804.2	777.7	-424.9	812.4	1.06	0.09	1.05
13,717.0	92.50	359.81	12,802.4	871.6	-426.6	906.2	3.48	2.98	1.81
13,812.0	91.03	4.85	12,799.4	966.5	-422.7	1,000.3	5.52	-1.55	5.31
13,906.0	91.48	4.30	12,797.4	1,060.2	-415.2	1,092.9	0.76	0.48	-0.59
13,999.0	90.98	2.25	12,795.4	1,153.0	-409.9	1,184.9	2.27	-0.54	-2.20
14,093.0	91.85	1.66	12,793.1	1,246.9	-406.7	1,278.2	1.12	0.93	-0.63
14,187.0	91.68	1.75	12,790.2	1,340.8	-403.9	1,371.5	0.20	-0.18	0.10
14,281.0	89.46	1.18	12,789.2	1,434.8	-401.5	1,464.8	2.44	-2.36	-0.61
14,375.0	88.90	0.57	12,790.6	1,528.7	-400.1	1,558.3	0.88	-0.60	-0.65
14,468.0	89.35	359.10	12,792.0	1,621.7	-400.3	1,650.9	1.65	0.48	-1.58
14,563.0	89.78	0.74	12,792.7	1,716.7	-400.5	1,745.6	1.78	0.45	1.73
14,650.0	88.62	0.78	12,793.9	1,803.7	-399.3	1,832.1	1.33	-1.33	0.05
14,744.0	91.39	1.91	12,793.9	1,897.7	-397.1	1,925.5	3.18	2.95	1.20
14,839.0	91.81	2.00	12,791.3	1,992.6	-393.9	2,019.7	0.45	0.44	0.09
14,933.0	92.11	0.24	12,788.1	2,086.5	-392.0	2,113.1	1.90	0.32	-1.87
15,025.0	89.02	1.26	12,787.2	2,178.5	-390.8	2,204.6	3.54	-3.36	1.11
15,119.0	89.22	358.83	12,788.6	2,272.5	-390.8	2,298.2	2.59	0.21	-2.59
15,214.0	89.38	356.33	12,789.8	2,367.4	-394.8	2,393.1	2.64	0.17	-2.63
15,308.0	90.20	356.52	12,790.1	2,461.2	-400.6	2,487.1	0.90	0.87	0.20
15,403.0	87.56	355.71	12,792.0	2,555.9	-407.1	2,582.0	2.91	-2.78	-0.85
15,497.0	88.33	354.54	12,795.3	2,649.5	-415.0	2,676.0	1.49	0.82	-1.24
15,592.0	89.78	355.68	12,796.9	2,744.2	-423.1	2,770.9	1.94	1.53	1.20
15,685.0	88.74	356.95	12,798.1	2,837.0	-429.1	2,863.9	1.76	-1.12	1.37
15,780.0	88.92	359.41	12,800.0	2,931.9	-432.1	2,958.7	2.60	0.19	2.59
15,874.0	86.73	358.12	12,803.6	3,025.8	-434.2	3,052.4	2.70	-2.33	-1.37
15,968.0	88.30	359.22	12,807.7	3,119.7	-436.3	3,146.1	2.04	1.67	1.17
16,062.0	92.37	1.46	12,807.1	3,213.6	-435.8	3,239.7	4.94	4.33	2.38
16,156.0	92.49	1.48	12,803.2	3,307.5	-433.4	3,333.0	0.13	0.13	0.02
16,251.0	90.90	1.48	12,800.3	3,402.4	-430.9	3,427.3	1.67	-1.67	0.00
16,345.0	90.70	1.44	12,799.0	3,496.4	-428.5	3,520.7	0.22	-0.21	-0.04
16,440.0	91.79	1.42	12,797.0	3,591.4	-426.2	3,615.0	1.15	1.15	-0.02
16,533.0	87.54	1.01	12,797.5	3,684.3	-424.2	3,707.4	4.59	-4.57	-0.44
16,628.0	85.80	1.08	12,803.0	3,779.1	-422.5	3,801.7	1.83	-1.83	0.07
16,721.0	88.13	359.41	12,808.0	3,872.0	-422.1	3,894.2	3.08	2.51	-1.80

Company: Concho Resources, Inc.
Project: Lea County, NM (NAD 27 NME)
Site: (Dominator) Sec-25_T-25-S_R-33-E
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Local Co-ordinate Reference: Well Dominator 25 Federal Com #708H
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MD Reference: KB @ 3363.6usft (Independence 205)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.15 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)
16,816.0	89.27	358.26	12,810.1	3,966.9	-424.0	3,988.9	1.70	1.20	-1.21
16,911.0	91.90	357.26	12,809.1	4,061.9	-427.7	4,083.8	2.96	2.77	-1.05
17,004.0	93.04	358.37	12,805.1	4,154.7	-431.2	4,176.6	1.71	1.23	1.19
17,098.0	93.51	359.02	12,799.8	4,248.5	-433.4	4,270.2	0.85	0.50	0.69
17,193.0	94.93	0.25	12,792.8	4,343.3	-434.0	4,364.6	1.98	1.49	1.29
17,287.0	91.85	0.18	12,787.2	4,437.1	-433.6	4,458.1	3.28	-3.28	-0.07
17,381.0	88.50	0.79	12,786.9	4,531.1	-432.8	4,551.6	3.62	-3.56	0.65
17,476.0	91.18	0.21	12,787.2	4,626.0	-432.0	4,646.1	2.89	2.82	-0.61
17,515.3	91.12	359.89	12,786.4	4,665.3	-432.0	4,685.3	0.83	-0.16	-0.82
LTP @ 17515.3'MD, 330'FNL & 398.8'FEL									
17,570.0	91.03	359.44	12,785.4	4,720.0	-432.3	4,739.8	0.83	-0.16	-0.82
17,583.0	91.06	359.24	12,785.1	4,733.0	-432.4	4,752.7	1.56	0.23	-1.54
LAST SVY									
17,645.0	91.06	359.24	12,784.0	4,795.0	-433.3	4,814.5	0.00	0.00	0.00
Projection to TD @ 17645'MD, 200'FNL & 399'FEL									

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
PBHL (Dominator 25 l - actual wellpath misses target center by 4.6usft at 17645.0usft MD (12784.0 TVD, 4795.0 N, -433.3 E) - Point	0.00	0.00	12,785.0	4,795.1	-428.8	403,980.10	749,711.00	32° 6' 29.122 N	103° 31' 36.712 W
LTP (Dominator 25 Fe - actual wellpath misses target center by 5.5usft at 17514.9usft MD (12786.4 TVD, 4665.0 N, -432.0 E) - Rectangle (sides W60.0 H650.7 D20.0)	2.14	179.58	12,789.9	4,665.0	-427.7	403,850.02	749,712.07	32° 6' 27.835 N	103° 31' 36.710 W
FTP (Dominator 25 Fe - actual wellpath misses target center by 34.5usft at 12898.9usft MD (12782.7 TVD, 55.8 N, -384.3 E) - Point	0.00	0.01	12,815.0	46.9	-392.6	399,231.87	749,747.24	32° 5' 42.133 N	103° 31' 36.703 W

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	+E/-W (usft)	Comment
12,890.1	12,780.4	47.3	-384.0	FTP @ 12890.1'MD, 330'FSL & 384.8'FEL
17,515.3	12,786.4	4,665.3	-432.0	LTP @ 17515.3'MD, 330'FNL & 398.8'FEL
17,583.0	12,785.1	4,733.0	-432.4	LAST SVY
17,645.0	12,784.0	4,795.0	-433.3	Projection to TD @ 17645'MD, 200'FNL & 399'FEL

Checked By: _____ Approved By: _____ Date: _____

From Bottom to Top	Stage 1	Distance Between Perfs	Shots	Stage 2	Distance Between Perfs	Shots	Stage 3	Distance Between Perfs	Shots	Stage 4	Distance Between Perfs	Shots	Stage 5	Distance Between Perfs	Shots
	17,564	23	5	17,367	39	5	17,203	22	3	17,022	23	3	16,843	27	3
	17,541	22	5	17,359	21	5	17,176	18	3	17,000	20	3	16,819	23	3
	17,519	23	5	17,338	22	5	17,158	25	3	16,980	28	3	16,796	22	3
	17,496	22	4	17,316	23	4	17,133	21	4	16,954	26	4	16,774	23	4
	17,474	23	4	17,293	23	4	17,112		4	16,928	19	4	16,751	22	4
	17,451	22	3	17,270	22	3	17,090	23	5	16,909	24	5	16,729	23	5
	17,429	23	3	17,248	23	3	17,067	22	5	16,885	15	5	16,706	23	5
	17,406		3	17,225		3	17,045		5	16,870		5	16,683		5
	Plug to Plug	93	32	Plug to Plug	60	32	Plug to Plug	81	32	Plug to Plug	79	32	Plug to Plug	84	32
Frac Plug		17,589	Total Shots	Frac Plug	17,376	Total Shots	Frac Plug	17,214	Total Shots	Frac Plug	17,033	Total Shots	Frac Plug	16,858	Total Shots

From Bottom to Top	Stage 6	Distance Between Perfs	Shots	Stage 7	Distance Between Perfs	Shots	Stage 8	Distance Between Perfs	Shots	Stage 9	Distance Between Perfs	Shots	Stage 10	Distance Between Perfs	Shots
	16,658	25	5	16,480	23	5	16,294	28	5	16,112	29	5	15,938	23	5
	16,641	25	5	16,458	23	5	16,277	26	5	16,096	22	5	15,916	23	5
	16,616	27	5	16,435	23	5	16,251	19	5	16,074	19	5	15,893	23	5
	16,589	19	4	16,412	22	4	16,232	23	4	16,055	26	4	15,870	22	4
	16,570	24	4	16,390	23	4	16,209	22	4	16,029	25	4	15,848	23	4
	16,546	21	3	16,367	20	3	16,187	22	3	16,004	21	3	15,825	22	3
	16,525	22	3	16,347	25	3	16,164	23	3	15,983	22	3	15,803	23	3
	16,503		3	16,322		3	16,141		3	15,961		3	15,780		3
	Plug to Plug	79	32	Plug to Plug	79	32	Plug to Plug	79	32	Plug to Plug	67	32	Plug to Plug	80	32
Frac Plug		16,668	Total Shots	Frac Plug	16,491	Total Shots	Frac Plug	16,311	Total Shots	Frac Plug	16,122	Total Shots	Frac Plug	15,950	Total Shots

From Bottom to Top	Stage 11	Distance Between Perfs	Shots	Stage 12	Distance Between Perfs	Shots	Stage 13	Distance Between Perfs	Shots	Stage 14	Distance Between Perfs	Shots	Stage 15	Distance Between Perfs	Shots
	15,758	22	5	15,577	23	5	15,396	27	5	15,216	22	5	15,038	20	5
	15,735	23	5	15,554	21	5	15,374	23	5	15,193	22	5	15,012	23	5
	15,712	22	5	15,533	24	5	15,351	22	5	15,171	23	5	14,989	22	5
	15,690	23	4	15,509	26	4	15,329	23	4	15,148	23	4	14,967	22	4
	15,667	22	4	15,483	19	4	15,306	25	4	15,125	22	4	14,945	23	4
	15,645	23	3	15,464	23	3	15,281	20	3	15,103	22	3	14,922	22	3
	15,622	22	3	15,441	18	3	15,261	23	3	15,081	23	3	14,900	23	3
	15,600		3	15,423		3	15,238		3	15,058		3	14,877		3
	Plug to Plug	79	32	Plug to Plug	79	32	Plug to Plug	87	32	Plug to Plug	79	32	Plug to Plug	79	32
Frac Plug		15,769	Total Shots	Frac Plug	15,588	Total Shots	Frac Plug	15,416	Total Shots	Frac Plug	15,227	Total Shots	Frac Plug	15,046	Total Shots

From Bottom to Top	Stage 16	Distance Between Perfs	Shots	Stage 17	Distance Between Perfs	Shots	Stage 18	Distance Between Perfs	Shots	Stage 19	Distance Between Perfs	Shots	Stage 20	Distance Between Perfs	Shots
	14,854	23	5	14,674	22	5	14,490	26	5	14,310	25	5	14,132	22	5
	14,833	24	5	14,651	22	5	14,471	23	5	14,287	20	5	14,109	22	5
	14,809	24	5	14,629	23	5	14,448	23	5	14,267	23	5	14,087	23	5
	14,785	21	4	14,606	21	4	14,425	22	4	14,244	22	4	14,064	22	4
	14,764	23	4	14,585	24	4	14,403	23	4	14,222	22	4	14,042	23	4
	14,741	22	3	14,561	28	3	14,380	22	3	14,200	23	3	14,019	19	3
	14,719	23	3	14,533	17	3	14,358	23	3	14,177	23	3	14,000	26	3
	14,696		3	14,516		3	14,335		3	14,154		3	13,974		3
	Plug to Plug	76	32	Plug to Plug	79	32	Plug to Plug	79	32	Plug to Plug	74	32	Plug to Plug	79	32
Frac Plug		14,861	Total Shots	Frac Plug	14,685	Total Shots	Frac Plug	14,504	Total Shots	Frac Plug	14,318	Total Shots	Frac Plug	14,143	Total Shots

From Bottom to Top	Stage 21	Distance Between Perfs	Shots	Stage 22	Distance Between Perfs	Shots	Stage 23	Distance Between Perfs	Shots	Stage 24	Distance Between Perfs	Shots	Stage 25	Distance Between Perfs	Shots
	13,951	23	5	13,771	21	5	13,577	35	5	13,409	23	5	13,227	24	5
	13,929	23	5	13,748	23	5	13,556	20	5	13,385	21	5	13,206	23	5
	13,906	23	5	13,725	22	5	13,536	22	5	13,364	22	5	13,183	22	5
	13,883	22	4	13,703	23	4	13,514	20	4	13,342	23	4	13,161	23	4
	13,861	23	4	13,680	22	4	13,494	21	4	13,319	23	4	13,138	22	4
	13,838	22	3	13,658	21	3	13,473	22	3	13,298	20	3	13,116	23	3
	13,816	24	3	13,637	25	3	13,451	19	3	13,276	25	3	13,093	22	3
	13,792		3	13,612		3	13,432		3	13,251		3	13,071		3
	Plug to Plug	79	32	Plug to Plug	79	32	Plug to Plug	92	32	Plug to Plug	75	32	Plug to Plug	79	32
Frac Plug		13,962	Total Shots	Frac Plug	13,782	Total Shots	Frac Plug	13,606	Total Shots	Frac Plug	13,417	Total Shots	Frac Plug	13,240	Total Shots

From Bottom to Top	Stage 26	Distance Between Perfs	Shots	Stage 27	Distance Between Perfs	Shots	Stage 28	Distance Between Perfs	Shots	Stage 29	Distance Between Perfs	Shots	Stage 30	Distance Between Perfs	Shots
	13,044	27	5		12890			0			0			0	6
	13,028	25	5												6
	13,003	18	5												6
	12,985	27	4												6
	12,958	23	4												5
	12,935	22	3												5
	12,913	23	3												5
	12,890		3												5
	Plug to Plug	69	32	Plug to Plug	0	0	Plug to Plug	0	0	Plug to Plug	0	0	Plug to Plug	0	44
Frac Plug		13,054	Total Shots	Frac Plug		Total Shots	Frac Plug		Total Shots	Frac Plug		Total Shots	Frac Plug		Total Shots

Dominator Federal Com #708H

<u>Perfs</u>	<u>7 1/2% Acid (Gal)</u>	<u>Sand (#)</u>	<u>Fluid (Gal)</u>
1	1512	360090	290682
2	1512	361300	317478
3	1512	360430	327726
4	1512	360520	306348
5	1512	360330	313488
6	1512	360420	314580
7	1512	360769	299754
8	1512	361824	302064
9	1512	360030	347844
10	1512	360187	352632
11	1512	360990	308826
12	1512	360415	312018
13	1512	360590	307986
14	1512	359942	310338
15	1512	360671	339150
16	1512	361280	308490
17	1512	360897	311892
18	1512	360450	304458
19	1512	360586	312228
20	1512	360580	306558
21	1512	360570	307062
22	1512	360355	303576
23	1512	363080	300720
24	1260	358320	295932
25	1512	360160	297486
26	1512	359480	307062
Totals	37,548	9,374,266	8,106,378