



CONCHO

Concho Resources, Inc.

Lea County, NM (NAD 27 NME)
(Dominator) Sec-25_T-25-S_R-33-E
Dominator 25 Federal Com #707H
API# 30-025-44729
OWB

Design: AWB

Standard Survey Report

30 July, 2018

HOBBS OCD

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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 #707H
Wellbore: OWB
Design: AWB

Local Co-ordinate Reference: Well Dominator 25 Federal Com #707H
TVD Reference: KB @ 3363.8usft (Independence 205)
MD Reference: KB @ 3363.8usft (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
From:	Map	Easting:	750,109.80 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 5' 41.640 N
		Longitude:	103° 31' 32.493 W
		Grid Convergence:	0.43 °

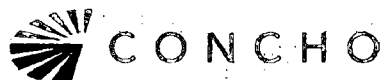
Well	Dominator 25 Federal Com #707H		
Well Position	+N/-S	0.0 usft	Northing:
	+E/-W	0.0 usft	Easting:
Position Uncertainty	0.0 usft	Wellhead Elevation:	usft
		Latitude:	32° 5' 41.640 N
		Longitude:	103° 31' 31.797 W
		Ground Level:	3,337.8 usft

Wellbore	OWB		
Magnetics	Model Name	Sample Date	Declination (°)
	IGRF2015	06/14/18	6.82
			Dip Angle (°)
			59.94
			Field Strength (nT)
			47,764.99715799

Design	AWB		
Audit Notes:			
Version:	1.0	Phase:	ACTUAL
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)
	0.0	0.0	0.0
		Direction (°)	357.51

Survey Program	Date 07/30/18		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name
100.0	11,659.0	SDI Gyro (OWB)	Standard Keeper 104
11,756.0	17,462.0	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	0.62	97.69	100.0	-0.1	0.5	-0.1	0.62	0.62	0.00
125.0	0.69	95.59	125.0	-0.1	0.8	-0.1	0.30	0.28	-8.40
150.0	0.51	99.57	150.0	-0.1	1.1	-0.2	0.74	-0.72	15.92
175.0	0.64	106.52	175.0	-0.2	1.3	-0.3	0.59	0.52	27.80
200.0	0.63	114.57	200.0	-0.3	1.6	-0.4	0.36	-0.04	32.20
225.0	0.93	118.81	225.0	-0.4	1.9	-0.5	1.22	1.20	16.96
250.0	0.84	122.14	250.0	-0.6	2.2	-0.7	0.41	-0.36	13.32
275.0	0.93	114.85	275.0	-0.8	2.6	-0.9	0.58	0.36	-29.16
300.0	0.92	111.97	300.0	-1.0	2.9	-1.1	0.19	-0.04	-11.52



Intrepid Survey Report



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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)
325.0	0.94	107.69	325.0	-1.1	3.3	-1.3	0.29	0.08	-17.12
350.0	0.98	100.60	350.0	-1.2	3.7	-1.4	0.50	0.16	-28.36
375.0	1.02	90.46	375.0	-1.3	4.1	-1.4	0.72	0.16	-40.56
400.0	0.97	91.64	400.0	-1.3	4.6	-1.5	0.22	-0.20	4.72
425.0	0.97	90.42	425.0	-1.3	5.0	-1.5	0.08	0.00	-4.88
450.0	1.02	92.56	450.0	-1.3	5.4	-1.5	0.25	0.20	8.56
475.0	1.03	95.11	475.0	-1.3	5.9	-1.6	0.19	0.04	10.20
500.0	0.88	89.89	500.0	-1.3	6.3	-1.6	0.69	-0.60	-20.88
525.0	0.80	82.79	524.9	-1.3	6.7	-1.6	0.52	-0.32	-28.40
550.0	0.69	77.93	549.9	-1.3	7.0	-1.6	0.51	-0.44	-19.44
575.0	0.68	73.89	574.9	-1.2	7.3	-1.5	0.20	-0.04	-16.16
600.0	0.68	68.18	599.9	-1.1	7.6	-1.4	0.27	0.00	-22.84
625.0	0.64	75.65	624.9	-1.0	7.8	-1.3	0.38	-0.16	29.88
650.0	0.61	83.20	649.9	-1.0	8.1	-1.3	0.35	-0.12	30.20
675.0	0.33	82.37	674.9	-0.9	8.3	-1.3	1.12	-1.12	-3.32
700.0	0.24	108.08	699.9	-0.9	8.4	-1.3	0.62	-0.36	102.84
725.0	0.21	124.28	724.9	-1.0	8.5	-1.4	0.28	-0.12	64.80
750.0	0.21	157.94	749.9	-1.1	8.6	-1.4	0.49	0.00	134.64
775.0	0.26	126.99	774.9	-1.1	8.6	-1.5	0.54	0.20	-123.80
800.0	0.27	141.86	799.9	-1.2	8.7	-1.6	0.28	0.04	59.48
825.0	0.20	139.21	824.9	-1.3	8.8	-1.7	0.28	-0.28	-10.60
850.0	0.22	145.02	849.9	-1.4	8.8	-1.7	0.12	0.08	23.24
875.0	0.13	144.06	874.9	-1.4	8.9	-1.8	0.36	-0.36	-3.84
900.0	0.18	313.08	899.9	-1.4	8.9	-1.8	1.23	0.20	676.08
925.0	0.34	318.49	924.9	-1.3	8.8	-1.7	0.65	0.64	21.64
950.0	0.46	336.96	949.9	-1.2	8.7	-1.6	0.70	0.48	73.88
975.0	0.52	343.66	974.9	-1.0	8.6	-1.4	0.33	0.24	26.80
1,000.0	0.58	349.33	999.9	-0.8	8.6	-1.1	0.32	0.24	22.68
1,025.0	0.64	352.84	1,024.9	-0.5	8.5	-0.9	0.28	0.24	14.04
1,050.0	0.61	351.93	1,049.9	-0.2	8.5	-0.6	0.13	-0.12	-3.64
1,075.0	0.81	340.44	1,074.9	0.1	8.4	-0.3	0.98	0.80	-45.96
1,100.0	0.95	332.68	1,099.9	0.4	8.3	0.1	0.73	0.56	-31.04
1,125.0	1.11	322.82	1,124.9	0.8	8.0	0.5	0.95	0.64	-39.44
1,150.0	1.25	316.94	1,149.9	1.2	7.7	0.9	0.74	0.56	-23.52
1,175.0	1.38	316.80	1,174.9	1.6	7.3	1.3	0.52	0.52	-0.56
1,200.0	1.39	314.71	1,199.9	2.0	6.9	1.7	0.21	0.04	-8.36
1,225.0	1.37	313.76	1,224.9	2.5	6.4	2.2	0.12	-0.08	-3.80
1,250.0	1.40	315.39	1,249.9	2.9	6.0	2.6	0.20	0.12	6.52
1,275.0	1.44	314.34	1,274.9	3.3	5.6	3.1	0.19	0.16	-4.20
1,300.0	1.38	314.19	1,299.9	3.8	5.1	3.5	0.24	-0.24	-0.60
1,325.0	1.40	313.25	1,324.9	4.2	4.7	4.0	0.12	0.08	-3.76
1,350.0	1.28	317.65	1,349.9	4.6	4.3	4.4	0.63	-0.48	17.60
1,375.0	1.27	314.13	1,374.9	5.0	3.9	4.8	0.32	-0.04	-14.08



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1,400.0	1.02	307.01	1,399.8	5.3	3.5	5.2	1.15	-1.00	-28.48
1,425.0	0.57	273.01	1,424.8	5.5	3.2	5.3	2.53	-1.80	-136.00
1,450.0	0.65	228.87	1,449.8	5.4	3.0	5.2	1.86	0.32	-176.56
1,475.0	0.88	215.05	1,474.8	5.1	2.8	5.0	1.17	0.92	-55.28
1,500.0	1.20	210.62	1,499.8	4.7	2.5	4.6	1.32	1.28	-17.72
1,525.0	2.16	209.45	1,524.8	4.1	2.2	4.0	3.84	3.84	-4.68
1,550.0	2.95	206.83	1,549.8	3.1	1.6	3.0	3.19	3.16	-10.48
1,575.0	3.14	208.55	1,574.8	1.9	1.0	1.9	0.84	0.76	6.88
1,600.0	3.17	207.37	1,599.7	0.7	0.4	0.7	0.29	0.12	-4.72
1,625.0	3.20	207.82	1,624.7	-0.5	-0.3	-0.5	0.16	0.12	1.80
1,650.0	3.09	206.72	1,649.7	-1.7	-0.9	-1.7	0.50	-0.44	-4.40
1,675.0	3.10	205.24	1,674.6	-2.9	-1.5	-2.9	0.32	0.04	-5.92
1,700.0	3.09	207.51	1,699.6	-4.1	-2.1	-4.0	0.49	-0.04	9.08
1,725.0	3.16	207.07	1,724.5	-5.4	-2.7	-5.2	0.30	0.28	-1.76
1,750.0	3.11	206.18	1,749.5	-6.6	-3.3	-6.4	0.28	-0.20	-3.56
1,775.0	3.09	205.55	1,774.5	-7.8	-3.9	-7.6	0.16	-0.08	-2.52
1,800.0	3.12	207.31	1,799.4	-9.0	-4.5	-8.8	0.40	0.12	7.04
1,825.0	3.16	207.24	1,824.4	-10.2	-5.1	-10.0	0.16	0.16	-0.28
1,850.0	3.11	207.51	1,849.4	-11.4	-5.8	-11.2	0.21	-0.20	1.08
1,875.0	3.14	205.80	1,874.3	-12.7	-6.4	-12.4	0.39	0.12	-6.84
1,900.0	3.04	205.82	1,899.3	-13.9	-7.0	-13.5	0.40	-0.40	0.08
1,925.0	3.14	204.67	1,924.2	-15.1	-7.5	-14.7	0.47	0.40	-4.60
1,950.0	3.13	205.71	1,949.2	-16.3	-8.1	-16.0	0.23	-0.04	4.16
1,975.0	3.07	205.70	1,974.2	-17.5	-8.7	-17.1	0.24	-0.24	-0.04
2,000.0	3.08	205.89	1,999.1	-18.7	-9.3	-18.3	0.06	0.04	0.76
2,025.0	3.05	204.52	2,024.1	-20.0	-9.9	-19.5	0.32	-0.12	-5.48
2,050.0	2.95	205.08	2,049.1	-21.1	-10.4	-20.7	0.42	-0.40	2.24
2,075.0	3.00	205.18	2,074.0	-22.3	-11.0	-21.8	0.20	0.20	0.40
2,100.0	2.95	203.64	2,099.0	-23.5	-11.5	-23.0	0.38	-0.20	-6.16
2,125.0	2.91	202.95	2,124.0	-24.7	-12.0	-24.1	0.21	-0.16	-2.76
2,150.0	2.86	202.77	2,148.9	-25.8	-12.5	-25.3	0.20	-0.20	-0.72
2,175.0	2.90	203.53	2,173.9	-27.0	-13.0	-26.4	0.22	0.16	3.04
2,200.0	2.93	204.23	2,198.9	-28.2	-13.5	-27.5	0.19	0.12	2.80
2,225.0	2.86	203.58	2,223.8	-29.3	-14.0	-28.7	0.31	-0.28	-2.60
2,250.0	2.79	201.41	2,248.8	-30.4	-14.5	-29.8	0.51	-0.28	-8.68
2,275.0	2.79	201.94	2,273.8	-31.6	-14.9	-30.9	0.10	0.00	2.12
2,300.0	2.74	202.19	2,298.8	-32.7	-15.4	-32.0	0.21	-0.20	1.00
2,325.0	2.62	201.19	2,323.7	-33.8	-15.8	-33.1	0.52	-0.48	-4.00
2,350.0	2.63	199.47	2,348.7	-34.9	-16.2	-34.1	0.32	0.04	-6.88
2,375.0	2.55	198.76	2,373.7	-35.9	-16.6	-35.2	0.34	-0.32	-2.84
2,400.0	2.49	198.00	2,398.6	-37.0	-16.9	-36.2	0.27	-0.24	-3.04
2,425.0	2.44	196.36	2,423.6	-38.0	-17.3	-37.2	0.35	-0.20	-6.56
2,450.0	2.38	193.61	2,448.6	-39.0	-17.5	-38.2	0.52	-0.24	-11.00



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2,475.0	2.37	194.57	2,473.6	-40.0	-17.8	-39.2	0.16	-0.04	3.84
2,500.0	2.34	194.41	2,498.6	-41.0	-18.0	-40.2	0.12	-0.12	-0.64
2,525.0	2.37	193.75	2,523.5	-42.0	-18.3	-41.2	0.16	0.12	-2.64
2,550.0	2.29	195.46	2,548.5	-43.0	-18.5	-42.1	0.42	-0.32	6.84
2,575.0	2.28	199.97	2,573.5	-43.9	-18.8	-43.1	0.72	-0.04	18.04
2,600.0	2.30	201.50	2,598.5	-44.9	-19.2	-44.0	0.26	0.08	6.12
2,625.0	2.31	200.56	2,623.5	-45.8	-19.6	-44.9	0.16	0.04	-3.76
2,650.0	2.33	203.43	2,648.4	-46.7	-19.9	-45.8	0.47	0.08	11.48
2,675.0	2.24	202.37	2,673.4	-47.7	-20.3	-46.7	0.40	-0.36	-4.24
2,700.0	2.14	196.34	2,698.4	-48.6	-20.6	-47.6	1.00	-0.40	-24.12
2,725.0	1.99	194.27	2,723.4	-49.4	-20.9	-48.5	0.67	-0.60	-8.28
2,750.0	1.95	194.32	2,748.4	-50.3	-21.1	-49.3	0.16	-0.16	0.20
2,775.0	1.95	191.88	2,773.4	-51.1	-21.3	-50.1	0.33	0.00	-9.76
2,800.0	2.01	192.49	2,798.3	-51.9	-21.5	-51.0	0.25	0.24	2.44
2,825.0	1.97	191.26	2,823.3	-52.8	-21.7	-51.8	0.23	-0.16	-4.92
2,850.0	1.95	193.06	2,848.3	-53.6	-21.8	-52.6	0.26	-0.08	7.20
2,875.0	1.98	192.99	2,873.3	-54.5	-22.0	-53.4	0.12	0.12	-0.28
2,900.0	1.95	194.46	2,898.3	-55.3	-22.2	-54.3	0.23	-0.12	5.88
2,925.0	1.98	193.37	2,923.3	-56.1	-22.4	-55.1	0.19	0.12	-4.36
2,950.0	1.94	193.51	2,948.3	-57.0	-22.6	-55.9	0.16	-0.16	0.56
2,975.0	1.94	193.65	2,973.2	-57.8	-22.8	-56.7	0.02	0.00	0.56
3,000.0	1.91	195.33	2,998.2	-58.6	-23.0	-57.5	0.26	-0.12	6.72
3,025.0	1.98	194.31	3,023.2	-59.4	-23.3	-58.3	0.31	0.28	-4.08
3,050.0	2.13	202.09	3,048.2	-60.3	-23.5	-59.2	1.27	0.60	31.12
3,075.0	2.14	203.04	3,073.2	-61.1	-23.9	-60.0	0.15	0.04	3.80
3,100.0	2.16	203.75	3,098.2	-62.0	-24.3	-60.9	0.13	0.08	2.84
3,125.0	2.12	199.24	3,123.1	-62.8	-24.6	-61.7	0.69	-0.16	-18.04
3,150.0	2.06	196.81	3,148.1	-63.7	-24.9	-62.6	0.43	-0.24	-9.72
3,175.0	2.15	195.05	3,173.1	-64.6	-25.1	-63.4	0.44	0.36	-7.04
3,200.0	2.13	194.24	3,198.1	-65.5	-25.4	-64.3	0.15	-0.08	-3.24
3,225.0	2.32	198.25	3,223.1	-66.4	-25.7	-65.3	0.98	0.76	16.04
3,250.0	2.42	205.01	3,248.0	-67.4	-26.0	-66.2	1.19	0.40	27.04
3,275.0	2.47	204.12	3,273.0	-68.4	-26.5	-67.1	0.25	0.20	-3.56
3,300.0	2.50	202.80	3,298.0	-69.4	-26.9	-68.1	0.26	0.12	-5.28
3,325.0	2.41	197.81	3,323.0	-70.4	-27.3	-69.1	0.93	-0.36	-19.96
3,350.0	2.33	195.30	3,348.0	-71.3	-27.6	-70.1	0.52	-0.32	-10.04
3,375.0	2.23	190.66	3,372.9	-72.3	-27.8	-71.0	0.84	-0.40	-18.56
3,400.0	2.01	188.22	3,397.9	-73.2	-28.0	-71.9	0.95	-0.88	-9.76
3,425.0	1.54	179.88	3,422.9	-74.0	-28.0	-72.7	2.14	-1.88	-33.36
3,450.0	1.14	173.48	3,447.9	-74.6	-28.0	-73.3	1.71	-1.60	-25.60
3,475.0	0.99	157.00	3,472.9	-75.0	-27.9	-73.7	1.36	-0.60	-65.92
3,500.0	0.94	135.50	3,497.9	-75.4	-27.6	-74.1	1.45	-0.20	-86.00
3,525.0	0.82	131.77	3,522.9	-75.6	-27.4	-74.4	0.53	-0.48	-14.92
3,550.0	0.81	128.09	3,547.9	-75.9	-27.1	-74.6	0.21	-0.04	-14.72



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 #707H
Wellbore: OWB
Design: AWB

Local Co-ordinate Reference: Well Dominator 25 Federal Com #707H
TVD Reference: KB @ 3363.8usft (Independence 205)
MD Reference: KB @ 3363.8usft (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	0.59	145.51	3,572.9	-76.1	-26.9	-74.8	1.21	-0.88	69.68
3,600.0	0.99	157.08	3,597.9	-76.4	-26.7	-75.1	1.71	1.60	46.28
3,625.0	1.70	199.78	3,622.9	-76.9	-26.8	-75.7	4.73	2.84	170.80
3,650.0	2.17	208.25	3,647.9	-77.7	-27.1	-76.4	2.20	1.88	33.88
3,675.0	2.28	211.91	3,672.8	-78.5	-27.6	-77.3	0.72	0.44	14.64
3,700.0	2.48	215.95	3,697.8	-79.4	-28.2	-78.1	1.04	0.80	16.16
3,725.0	3.02	222.75	3,722.8	-80.3	-29.0	-79.0	2.52	2.16	27.20
3,750.0	3.05	221.78	3,747.8	-81.3	-29.8	-79.9	0.24	0.12	-3.88
3,775.0	3.04	221.84	3,772.7	-82.3	-30.7	-80.9	0.04	-0.04	0.24
3,800.0	3.12	222.31	3,797.7	-83.3	-31.6	-81.8	0.34	0.32	1.88
3,825.0	3.02	222.82	3,822.7	-84.3	-32.5	-82.8	0.41	-0.40	2.04
3,850.0	2.64	222.65	3,847.6	-85.2	-33.4	-83.6	1.52	-1.52	-0.68
3,875.0	2.07	222.03	3,872.6	-85.9	-34.1	-84.4	2.28	-2.28	-2.48
3,900.0	1.39	213.61	3,897.6	-86.5	-34.5	-84.9	2.90	-2.72	-33.68
3,925.0	0.99	199.65	3,922.6	-87.0	-34.8	-85.4	1.96	-1.60	-55.84
3,950.0	0.71	179.94	3,947.6	-87.3	-34.8	-85.7	1.60	-1.12	-78.84
3,975.0	0.76	195.86	3,972.6	-87.7	-34.9	-86.1	0.84	0.20	63.68
4,000.0	0.71	226.84	3,997.6	-87.9	-35.0	-86.3	1.58	-0.20	123.92
4,025.0	1.13	255.38	4,022.6	-88.1	-35.4	-86.5	2.44	1.68	114.16
4,050.0	1.09	260.12	4,047.6	-88.2	-35.9	-86.5	0.40	-0.16	18.96
4,075.0	1.46	260.68	4,072.6	-88.3	-36.4	-86.6	1.48	1.48	2.24
4,100.0	2.85	267.23	4,097.5	-88.4	-37.4	-86.7	5.64	5.56	26.20
4,125.0	2.99	266.84	4,122.5	-88.4	-38.6	-86.7	0.57	0.56	-1.56
4,150.0	3.08	266.25	4,147.5	-88.5	-39.9	-86.7	0.38	0.36	-2.36
4,175.0	3.15	266.87	4,172.4	-88.6	-41.3	-86.7	0.31	0.28	2.48
4,200.0	2.99	267.54	4,197.4	-88.7	-42.6	-86.7	0.66	-0.64	2.68
4,225.0	2.87	267.30	4,222.4	-88.7	-43.9	-86.7	0.48	-0.48	-0.96
4,250.0	2.82	266.24	4,247.3	-88.8	-45.2	-86.7	0.29	-0.20	-4.24
4,275.0	2.77	259.10	4,272.3	-88.9	-46.4	-86.8	1.41	-0.20	-28.56
4,300.0	2.78	253.59	4,297.3	-89.2	-47.5	-87.1	1.07	0.04	-22.04
4,325.0	2.85	253.42	4,322.3	-89.6	-48.7	-87.4	0.28	0.28	-0.68
4,350.0	2.86	254.37	4,347.2	-89.9	-49.9	-87.7	0.19	0.04	3.80
4,375.0	2.56	255.68	4,372.2	-90.2	-51.1	-87.9	1.23	-1.20	5.24
4,400.0	1.99	250.39	4,397.2	-90.5	-52.0	-88.2	2.43	-2.28	-21.16
4,425.0	1.56	238.68	4,422.2	-90.8	-52.7	-88.5	2.24	-1.72	-46.84
4,450.0	1.38	207.61	4,447.2	-91.3	-53.1	-88.9	3.22	-0.72	-124.28
4,475.0	1.90	191.20	4,472.1	-91.9	-53.4	-89.5	2.78	2.08	-65.64
4,500.0	2.15	187.91	4,497.1	-92.8	-53.5	-90.4	1.10	1.00	-13.16
4,525.0	2.19	187.69	4,522.1	-93.8	-53.6	-91.3	0.16	0.16	-0.88
4,550.0	2.20	186.46	4,547.1	-94.7	-53.7	-92.3	0.19	0.04	-4.92
4,575.0	2.14	187.61	4,572.1	-95.6	-53.9	-93.2	0.30	-0.24	4.60
4,600.0	2.19	185.75	4,597.1	-96.6	-54.0	-94.1	0.34	0.20	-7.44
4,625.0	2.21	186.78	4,622.0	-97.5	-54.1	-95.1	0.18	0.08	4.12



Intrepid
Survey Report

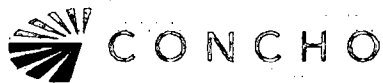


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Survey

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4,650.0	2.20	196.87	4,647.0	-98.5	-54.3	-96.0	1.55	-0.04	40.36
4,675.0	2.53	209.34	4,672.0	-99.4	-54.7	-96.9	2.44	1.32	49.88
4,700.0	2.45	209.99	4,697.0	-100.4	-55.2	-97.9	0.34	-0.32	2.60
4,725.0	2.50	203.23	4,721.9	-101.3	-55.7	-98.8	1.18	0.20	-27.04
4,750.0	2.54	190.79	4,746.9	-102.4	-56.0	-99.8	2.19	0.16	-49.76
4,775.0	2.67	180.93	4,771.9	-103.5	-56.1	-101.0	1.86	0.52	-39.44
4,800.0	2.90	174.48	4,796.9	-104.7	-56.1	-102.2	1.55	0.92	-25.80
4,825.0	2.90	173.58	4,821.8	-106.0	-56.0	-103.4	0.18	0.00	-3.60
4,850.0	2.87	177.43	4,846.8	-107.2	-55.9	-104.7	0.78	-0.12	15.40
4,875.0	2.81	187.72	4,871.8	-108.4	-55.9	-105.9	2.05	-0.24	41.16
4,900.0	2.92	194.21	4,896.7	-109.7	-56.1	-107.1	1.37	0.44	25.96
4,925.0	2.89	196.33	4,921.7	-110.9	-56.5	-108.3	0.45	-0.12	8.48
4,950.0	3.35	214.91	4,946.7	-112.1	-57.1	-109.5	4.42	1.84	74.32
4,975.0	3.41	220.82	4,971.6	-113.3	-58.0	-110.6	1.41	0.24	23.64
5,000.0	3.45	228.35	4,996.6	-114.3	-59.0	-111.7	1.81	0.16	30.12
5,025.0	3.32	231.80	5,021.5	-115.3	-60.2	-112.5	0.97	-0.52	13.80
5,050.0	3.36	253.51	5,046.5	-115.9	-61.4	-113.1	5.03	0.16	86.84
5,075.0	3.50	256.81	5,071.5	-116.3	-62.9	-113.5	0.97	0.56	13.20
5,100.0	3.51	258.65	5,096.4	-116.6	-64.4	-113.7	0.45	0.04	7.36
5,125.0	3.47	259.31	5,121.4	-116.9	-65.9	-114.0	0.23	-0.16	2.64
5,150.0	3.17	258.51	5,146.3	-117.2	-67.3	-114.2	1.21	-1.20	-3.20
5,175.0	2.96	255.99	5,171.3	-117.5	-68.6	-114.4	1.00	-0.84	-10.08
5,200.0	2.92	255.55	5,196.3	-117.8	-69.8	-114.7	0.18	-0.16	-1.76
5,225.0	2.79	258.67	5,221.2	-118.1	-71.0	-114.9	0.81	-0.52	12.48
5,250.0	2.62	257.37	5,246.2	-118.3	-72.2	-115.1	0.72	-0.68	-5.20
5,275.0	2.70	255.42	5,271.2	-118.6	-73.3	-115.3	0.48	0.32	-7.80
5,300.0	2.71	256.43	5,296.1	-118.9	-74.5	-115.5	0.19	0.04	4.04
5,325.0	2.68	258.24	5,321.1	-119.2	-75.6	-115.8	0.36	-0.12	7.24
5,350.0	2.63	256.15	5,346.1	-119.4	-76.7	-116.0	0.44	-0.20	-8.36
5,375.0	2.59	254.02	5,371.1	-119.7	-77.8	-116.2	0.42	-0.16	-8.52
5,400.0	2.62	256.25	5,396.0	-120.0	-78.9	-116.4	0.42	0.12	8.92
5,425.0	2.52	257.30	5,421.0	-120.3	-80.0	-116.7	0.44	-0.40	4.20
5,450.0	2.45	256.00	5,446.0	-120.5	-81.1	-116.9	0.36	-0.28	-5.20
5,475.0	2.61	257.58	5,471.0	-120.8	-82.2	-117.1	0.70	0.64	6.32
5,500.0	2.45	258.53	5,495.9	-121.0	-83.2	-117.2	0.66	-0.64	3.80
5,525.0	2.24	256.35	5,520.9	-121.2	-84.2	-117.4	0.91	-0.84	-8.72
5,550.0	2.23	254.50	5,545.9	-121.4	-85.2	-117.6	0.29	-0.04	-7.40
5,575.0	2.22	256.11	5,570.9	-121.7	-86.1	-117.8	0.25	-0.04	6.44
5,600.0	2.25	258.26	5,595.9	-121.9	-87.1	-118.0	0.36	0.12	8.60
5,625.0	2.16	256.52	5,620.8	-122.1	-88.0	-118.2	0.45	-0.36	-6.96
5,650.0	2.24	257.47	5,645.8	-122.3	-88.9	-118.4	0.35	0.32	3.80
5,675.0	2.09	259.08	5,670.8	-122.5	-89.9	-118.5	0.65	-0.60	6.44
5,700.0	2.08	257.78	5,695.8	-122.7	-90.8	-118.6	0.19	-0.04	-5.20



Intrepid
Survey Report



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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)
5,725.0	2.01	258.06	5,720.8	-122.9	-91.6	-118.8	0.28	-0.28	1.12
5,750.0	1.89	260.65	5,745.8	-123.1	-92.5	-118.9	0.60	-0.48	10.36
5,775.0	1.89	256.74	5,770.7	-123.2	-93.3	-119.0	0.52	0.00	-15.64
5,800.0	2.05	260.46	5,795.7	-123.4	-94.1	-119.2	0.82	0.64	14.88
5,825.0	1.90	261.27	5,820.7	-123.5	-95.0	-119.3	0.61	-0.60	3.24
5,850.0	2.00	259.15	5,845.7	-123.7	-95.8	-119.4	0.49	0.40	-8.48
5,875.0	2.03	259.66	5,870.7	-123.8	-96.7	-119.5	0.14	0.12	2.04
5,900.0	1.94	258.86	5,895.7	-124.0	-97.5	-119.6	0.38	-0.36	-3.20
5,925.0	2.36	247.58	5,920.7	-124.3	-98.4	-119.9	2.38	1.68	-45.12
5,950.0	2.67	241.25	5,945.6	-124.7	-99.4	-120.3	1.66	1.24	-25.32
5,975.0	2.68	237.19	5,970.6	-125.3	-100.4	-120.9	0.76	0.04	-16.24
6,000.0	2.86	236.31	5,995.6	-126.0	-101.4	-121.5	0.74	0.72	-3.52
6,025.0	2.79	238.45	6,020.5	-126.7	-102.4	-122.1	0.51	-0.28	8.56
6,050.0	2.64	237.09	6,045.5	-127.3	-103.5	-122.7	0.65	-0.60	-5.44
6,075.0	2.66	236.25	6,070.5	-127.9	-104.4	-123.3	0.17	0.08	-3.36
6,100.0	2.54	237.87	6,095.5	-128.6	-105.4	-123.8	0.56	-0.48	6.48
6,125.0	2.41	235.93	6,120.4	-129.1	-106.3	-124.4	0.62	-0.52	-7.76
6,150.0	2.51	236.87	6,145.4	-129.7	-107.2	-125.0	0.43	0.40	3.76
6,175.0	2.59	245.71	6,170.4	-130.3	-108.1	-125.4	1.60	0.32	35.36
6,200.0	2.58	248.20	6,195.4	-130.7	-109.2	-125.8	0.45	-0.04	9.96
6,225.0	2.24	238.09	6,220.3	-131.2	-110.1	-126.3	2.17	-1.36	-40.44
6,250.0	2.34	238.12	6,245.3	-131.7	-111.0	-126.8	0.40	0.40	0.12
6,275.0	2.26	239.86	6,270.3	-132.2	-111.8	-127.2	0.42	-0.32	6.96
6,300.0	2.18	238.33	6,295.3	-132.7	-112.7	-127.7	0.40	-0.32	-6.12
6,325.0	2.26	237.19	6,320.3	-133.2	-113.5	-128.2	0.37	0.32	-4.56
6,350.0	2.20	240.79	6,345.2	-133.7	-114.3	-128.6	0.61	-0.24	14.40
6,375.0	2.13	236.68	6,370.2	-134.2	-115.1	-129.1	0.68	-0.28	-16.44
6,400.0	2.09	236.79	6,395.2	-134.7	-115.9	-129.6	0.16	-0.16	0.44
6,425.0	2.04	238.84	6,420.2	-135.2	-116.6	-130.0	0.36	-0.20	8.20
6,450.0	1.92	234.61	6,445.2	-135.7	-117.4	-130.5	0.76	-0.48	-16.92
6,475.0	1.99	235.39	6,470.2	-136.2	-118.1	-130.9	0.30	0.28	3.12
6,500.0	1.92	237.84	6,495.2	-136.6	-118.8	-131.3	0.44	-0.28	9.80
6,525.0	1.84	234.29	6,520.1	-137.1	-119.5	-131.8	0.57	-0.32	-14.20
6,550.0	2.16	232.71	6,545.1	-137.6	-120.2	-132.3	1.30	1.28	-6.32
6,575.0	2.83	230.96	6,570.1	-138.3	-121.0	-132.9	2.70	2.68	-7.00
6,600.0	2.99	227.66	6,595.1	-139.1	-122.0	-133.7	0.93	0.64	-13.20
6,625.0	3.14	228.80	6,620.0	-140.0	-123.0	-134.5	0.65	0.60	4.56
6,650.0	3.02	229.63	6,645.0	-140.9	-124.0	-135.4	0.51	-0.48	3.32
6,675.0	3.08	227.28	6,670.0	-141.8	-125.0	-136.2	0.55	0.24	-9.40
6,700.0	3.10	226.40	6,694.9	-142.7	-126.0	-137.1	0.21	0.08	-3.52
6,725.0	3.01	228.15	6,719.9	-143.6	-126.9	-137.9	0.52	-0.36	7.00
6,750.0	2.95	228.24	6,744.9	-144.5	-127.9	-138.8	0.24	-0.24	0.36
6,775.0	3.03	225.83	6,769.8	-145.3	-128.9	-139.6	0.60	0.32	-9.64
6,800.0	3.12	227.31	6,794.8	-146.3	-129.8	-140.5	0.48	0.36	5.92



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6,825.0	2.92	226.85	6,819.7	-147.2	-130.8	-141.3	0.81	-0.80	-1.84
6,850.0	2.83	224.97	6,844.7	-148.0	-131.7	-142.2	0.52	-0.36	-7.52
6,875.0	2.87	224.68	6,869.7	-148.9	-132.6	-143.0	0.17	0.16	-1.16
6,900.0	2.79	224.10	6,894.7	-149.8	-133.4	-143.9	0.34	-0.32	-2.32
6,925.0	2.88	224.06	6,919.6	-150.7	-134.3	-144.7	0.36	0.36	-0.16
6,950.0	2.77	226.84	6,944.6	-151.6	-135.2	-145.5	0.70	-0.44	11.12
6,975.0	2.78	226.36	6,969.6	-152.4	-136.1	-146.3	0.10	0.04	-1.92
7,000.0	2.91	228.14	6,994.5	-153.2	-137.0	-147.1	0.63	0.52	7.12
7,025.0	3.23	242.15	7,019.5	-154.0	-138.1	-147.8	3.25	1.28	56.04
7,050.0	2.84	239.33	7,044.5	-154.6	-139.2	-148.4	1.67	-1.56	-11.28
7,075.0	3.05	243.43	7,069.4	-155.2	-140.4	-149.0	1.19	0.84	16.40
7,100.0	3.02	246.01	7,094.4	-155.8	-141.5	-149.5	0.56	-0.12	10.32
7,125.0	3.03	244.35	7,119.4	-156.4	-142.7	-150.0	0.35	0.04	-6.64
7,150.0	3.05	245.40	7,144.3	-156.9	-143.9	-150.5	0.24	0.08	4.20
7,175.0	2.92	245.51	7,169.3	-157.5	-145.1	-151.0	0.52	-0.52	0.44
7,200.0	2.83	241.97	7,194.3	-158.0	-146.3	-151.5	0.80	-0.36	-14.16
7,225.0	2.83	244.23	7,219.2	-158.6	-147.4	-152.0	0.45	0.00	9.04
7,250.0	2.77	242.28	7,244.2	-159.1	-148.4	-152.5	0.45	-0.24	-7.80
7,275.0	2.83	242.86	7,269.2	-159.7	-149.5	-153.0	0.27	0.24	2.32
7,300.0	2.79	243.99	7,294.1	-160.2	-150.6	-153.5	0.27	-0.16	4.52
7,325.0	2.77	241.62	7,319.1	-160.8	-151.7	-154.0	0.47	-0.08	-9.48
7,350.0	2.88	241.96	7,344.1	-161.4	-152.8	-154.6	0.45	0.44	1.36
7,375.0	2.66	241.35	7,369.1	-161.9	-153.9	-155.1	0.89	-0.88	-2.44
7,400.0	2.68	238.70	7,394.0	-162.5	-154.9	-155.6	0.50	0.08	-10.60
7,425.0	2.64	238.75	7,419.0	-163.1	-155.9	-156.2	0.16	-0.16	0.20
7,450.0	2.64	240.83	7,444.0	-163.7	-156.8	-156.7	0.38	0.00	8.32
7,475.0	2.66	240.87	7,468.9	-164.3	-157.9	-157.3	0.08	0.08	0.16
7,500.0	2.66	245.24	7,493.9	-164.8	-158.9	-157.7	0.81	0.00	17.48
7,525.0	2.02	245.45	7,518.9	-165.2	-159.8	-158.1	2.56	-2.56	0.84
7,550.0	1.75	259.76	7,543.9	-165.5	-160.6	-158.3	2.16	-1.08	57.24
7,575.0	1.53	262.92	7,568.9	-165.6	-161.3	-158.4	0.95	-0.88	12.64
7,600.0	1.43	261.03	7,593.9	-165.7	-161.9	-158.5	0.45	-0.40	-7.56
7,625.0	0.94	281.06	7,618.9	-165.7	-162.5	-158.5	2.54	-1.96	80.12
7,650.0	0.62	296.36	7,643.9	-165.6	-162.8	-158.4	1.52	-1.28	61.20
7,675.0	0.71	288.42	7,668.9	-165.5	-163.0	-158.2	0.51	0.36	-31.76
7,700.0	0.72	297.36	7,693.9	-165.4	-163.3	-158.1	0.45	0.04	35.76
7,725.0	0.63	284.57	7,718.9	-165.2	-163.6	-158.0	0.70	-0.36	-51.16
7,750.0	0.72	291.14	7,743.8	-165.2	-163.9	-157.9	0.47	0.36	26.28
7,775.0	0.71	297.86	7,768.8	-165.0	-164.2	-157.7	0.34	-0.04	26.88
7,800.0	0.67	280.59	7,793.8	-164.9	-164.4	-157.6	0.84	-0.16	-69.08
7,825.0	0.79	293.71	7,818.8	-164.8	-164.7	-157.5	0.82	0.48	52.48
7,850.0	0.66	294.98	7,843.8	-164.7	-165.0	-157.4	0.52	-0.52	5.08
7,875.0	0.66	280.28	7,868.8	-164.6	-165.3	-157.3	0.68	0.00	-58.80



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 #707H
Wellbore: OWB
Design: AWB

Local Co-ordinate Reference: Well Dominator 25 Federal Com #707H
TVD Reference: KB @ 3363.8usft (Independence 205)
MD Reference: KB @ 3363.8usft (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	0.73	285.45	7,893.8	-164.5	-165.6	-157.2	0.38	0.28	20.68
7,925.0	0.59	287.13	7,918.8	-164.5	-165.9	-157.1	0.57	-0.56	6.72
7,950.0	0.57	278.39	7,943.8	-164.4	-166.1	-157.0	0.36	-0.08	-34.96
7,975.0	0.64	280.85	7,968.8	-164.4	-166.4	-157.0	0.30	0.28	9.84
8,000.0	0.54	288.30	7,993.8	-164.3	-166.6	-156.9	0.50	-0.40	29.80
8,025.0	0.48	281.02	8,018.8	-164.2	-166.8	-156.8	0.35	-0.24	-29.12
8,050.0	0.48	270.40	8,043.8	-164.2	-167.1	-156.8	0.36	0.00	-42.48
8,075.0	0.51	274.33	8,068.8	-164.2	-167.3	-156.8	0.18	0.12	15.72
8,100.0	0.62	276.91	8,093.8	-164.2	-167.5	-156.8	0.45	0.44	10.32
8,125.0	0.52	281.95	8,118.8	-164.2	-167.8	-156.7	0.45	-0.40	20.16
8,150.0	0.62	269.61	8,143.8	-164.1	-168.0	-156.7	0.63	0.40	-49.36
8,175.0	0.56	271.01	8,168.8	-164.1	-168.3	-156.7	0.25	-0.24	5.60
8,200.0	0.59	263.46	8,193.8	-164.1	-168.5	-156.7	0.33	0.12	-30.20
8,225.0	0.53	272.11	8,218.8	-164.1	-168.8	-156.7	0.41	-0.24	34.60
8,250.0	0.52	267.10	8,243.8	-164.2	-169.0	-156.7	0.19	-0.04	-20.04
8,275.0	0.60	273.42	8,268.8	-164.1	-169.2	-156.6	0.40	0.32	25.28
8,300.0	0.51	264.18	8,293.8	-164.2	-169.5	-156.6	0.51	-0.36	-36.96
8,325.0	0.63	267.70	8,318.8	-164.2	-169.7	-156.6	0.50	0.48	14.08
8,350.0	0.51	271.67	8,343.8	-164.2	-170.0	-156.6	0.51	-0.48	15.88
8,375.0	0.54	262.32	8,368.8	-164.2	-170.2	-156.6	0.36	0.12	-37.40
8,400.0	0.57	270.44	8,393.8	-164.2	-170.4	-156.6	0.34	0.12	32.48
8,425.0	0.58	261.62	8,418.8	-164.2	-170.7	-156.6	0.36	0.04	-35.28
8,450.0	0.63	269.44	8,443.8	-164.2	-171.0	-156.6	0.39	0.20	31.28
8,475.0	0.57	258.20	8,468.8	-164.3	-171.2	-156.7	0.53	-0.24	-44.96
8,500.0	0.66	261.60	8,493.8	-164.3	-171.5	-156.7	0.39	0.36	13.60
8,525.0	0.55	257.31	8,518.8	-164.4	-171.7	-156.7	0.48	-0.44	-17.16
8,550.0	0.66	261.20	8,543.8	-164.4	-172.0	-156.8	0.47	0.44	15.56
8,575.0	0.58	267.81	8,568.8	-164.4	-172.3	-156.8	0.43	-0.32	26.44
8,600.0	0.60	254.05	8,593.8	-164.5	-172.5	-156.8	0.57	0.08	-55.04
8,625.0	0.58	259.59	8,618.8	-164.5	-172.8	-156.9	0.24	-0.08	22.16
8,650.0	0.62	253.92	8,643.8	-164.6	-173.0	-156.9	0.29	0.16	-22.68
8,675.0	0.65	259.77	8,668.8	-164.7	-173.3	-157.0	0.29	0.12	23.40
8,700.0	0.58	253.08	8,693.8	-164.7	-173.5	-157.0	0.40	-0.28	-26.76
8,725.0	0.65	260.03	8,718.8	-164.8	-173.8	-157.1	0.41	0.28	27.80
8,750.0	0.56	254.09	8,743.8	-164.8	-174.1	-157.1	0.44	-0.36	-23.76
8,775.0	0.67	259.78	8,768.8	-164.9	-174.3	-157.2	0.50	0.44	22.76
8,800.0	0.62	253.98	8,793.8	-165.0	-174.6	-157.2	0.33	-0.20	-23.20
8,825.0	0.67	257.00	8,818.8	-165.0	-174.9	-157.3	0.24	0.20	12.08
8,850.0	0.53	256.39	8,843.8	-165.1	-175.1	-157.3	0.56	-0.56	-2.44
8,875.0	0.72	254.74	8,868.8	-165.2	-175.4	-157.4	0.76	0.76	-6.60
8,900.0	0.59	261.72	8,893.8	-165.2	-175.7	-157.4	0.61	-0.52	27.92
8,925.0	0.72	252.38	8,918.8	-165.3	-175.9	-157.5	0.67	0.52	-37.36
8,950.0	0.61	258.99	8,943.8	-165.4	-176.2	-157.5	0.54	-0.44	26.44



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 #707H
Wellbore: OWB
Design: AWB

Local Co-ordinate Reference: Well Dominator 25 Federal Com #707H
TVD Reference: KB @ 3363.8usft (Independence 205)
MD Reference: KB @ 3363.8usft (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	0.70	255.01	8,968.8	-165.4	-176.5	-157.6	0.40	0.36	-15.92
9,000.0	0.63	257.16	8,993.8	-165.5	-176.8	-157.7	0.30	-0.28	8.60
9,025.0	0.67	251.57	9,018.8	-165.6	-177.1	-157.7	0.30	0.16	-22.36
9,050.0	0.62	258.72	9,043.8	-165.6	-177.3	-157.8	0.38	-0.20	28.60
9,075.0	0.70	258.08	9,068.8	-165.7	-177.6	-157.8	0.32	0.32	-2.56
9,100.0	0.66	256.67	9,093.8	-165.8	-177.9	-157.9	0.17	-0.16	-5.64
9,125.0	0.68	254.83	9,118.8	-165.8	-178.2	-157.9	0.12	0.08	-7.36
9,150.0	0.57	251.28	9,143.8	-165.9	-178.4	-158.0	0.47	-0.44	-14.20
9,175.0	0.70	255.94	9,168.8	-166.0	-178.7	-158.1	0.56	0.52	18.64
9,200.0	0.65	259.07	9,193.8	-166.1	-179.0	-158.1	0.25	-0.20	12.52
9,225.0	0.55	305.70	9,218.8	-166.0	-179.2	-158.1	1.93	-0.40	186.52
9,250.0	0.66	343.93	9,243.8	-165.8	-179.4	-157.8	1.64	0.44	152.92
9,275.0	0.80	341.36	9,268.8	-165.5	-179.5	-157.5	0.57	0.56	-10.28
9,300.0	0.75	351.42	9,293.8	-165.2	-179.6	-157.2	0.58	-0.20	40.24
9,325.0	0.81	338.07	9,318.8	-164.8	-179.6	-156.9	0.76	0.24	-53.40
9,350.0	0.76	343.62	9,343.8	-164.5	-179.8	-156.6	0.36	-0.20	22.20
9,375.0	0.88	333.68	9,368.8	-164.2	-179.9	-156.2	0.74	0.48	-39.76
9,400.0	0.87	338.36	9,393.7	-163.8	-180.0	-155.9	0.29	-0.04	18.72
9,425.0	0.87	329.78	9,418.7	-163.5	-180.2	-155.5	0.52	0.00	-34.32
9,450.0	0.96	330.97	9,443.7	-163.2	-180.4	-155.2	0.37	0.36	4.76
9,475.0	0.99	322.84	9,468.7	-162.8	-180.6	-154.8	0.57	0.12	-32.52
9,500.0	1.16	328.88	9,493.7	-162.4	-180.9	-154.4	0.82	0.68	24.16
9,525.0	1.32	318.81	9,518.7	-162.0	-181.2	-153.9	1.08	0.64	-40.28
9,550.0	1.39	323.99	9,543.7	-161.5	-181.6	-153.5	0.56	0.28	20.72
9,575.0	1.29	317.68	9,568.7	-161.1	-182.0	-153.0	0.71	-0.40	-25.24
9,600.0	1.41	321.27	9,593.7	-160.6	-182.3	-152.5	0.59	0.48	14.36
9,625.0	1.30	316.09	9,618.7	-160.2	-182.7	-152.1	0.66	-0.44	-20.72
9,650.0	1.29	321.52	9,643.7	-159.7	-183.1	-151.6	0.49	-0.04	21.72
9,675.0	1.16	325.05	9,668.7	-159.3	-183.4	-151.2	0.60	-0.52	14.12
9,700.0	1.03	321.46	9,693.7	-158.9	-183.7	-150.8	0.59	-0.52	-14.36
9,725.0	0.59	5.99	9,718.7	-158.6	-183.8	-150.5	2.95	-1.76	178.12
9,750.0	0.74	70.87	9,743.7	-158.5	-183.7	-150.3	2.90	0.60	259.52
9,775.0	0.60	66.95	9,768.7	-158.3	-183.4	-150.2	0.59	-0.56	-15.68
9,800.0	0.79	66.87	9,793.7	-158.2	-183.1	-150.1	0.76	0.76	-0.32
9,825.0	0.92	72.60	9,818.7	-158.1	-182.8	-150.0	0.62	0.52	22.92
9,850.0	0.98	62.19	9,843.7	-157.9	-182.4	-149.9	0.73	0.24	-41.64
9,875.0	1.13	65.84	9,868.7	-157.7	-182.0	-149.7	0.66	0.60	14.60
9,900.0	1.62	78.68	9,893.7	-157.6	-181.4	-149.5	2.30	1.96	51.36
9,925.0	1.86	79.34	9,918.6	-157.4	-180.7	-149.4	0.96	0.96	2.64
9,950.0	1.99	79.92	9,943.6	-157.3	-179.8	-149.3	0.53	0.52	2.32
9,975.0	2.04	81.30	9,968.6	-157.1	-179.0	-149.2	0.28	0.20	5.52
10,000.0	1.93	81.42	9,993.6	-157.0	-178.1	-149.1	0.44	-0.44	0.48
10,025.0	1.68	74.09	10,018.6	-156.8	-177.3	-149.0	1.36	-1.00	-29.32
10,050.0	1.57	66.78	10,043.6	-156.6	-176.7	-148.8	0.94	-0.44	-29.24



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 #707H
Wellbore: OWB
Design: AWB

Local Co-ordinate Reference: Well Dominator 25 Federal Com #707H
TVD Reference: KB @ 3363.8usft (Independence 205)
MD Reference: KB @ 3363.8usft (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)
10,075.0	1.43	66.58	10,068.6	-156.3	-176.1	-148.5	0.56	-0.56	-0.80
10,100.0	1.26	61.92	10,093.6	-156.1	-175.5	-148.3	0.81	-0.68	-18.64
10,125.0	1.09	54.54	10,118.6	-155.8	-175.1	-148.1	0.91	-0.68	-29.52
10,150.0	0.96	48.30	10,143.6	-155.5	-174.7	-147.8	0.68	-0.52	-24.96
10,175.0	0.78	39.73	10,168.6	-155.3	-174.5	-147.5	0.89	-0.72	-34.28
10,200.0	0.83	29.19	10,193.6	-155.0	-174.3	-147.3	0.62	0.20	-42.16
10,225.0	0.86	27.73	10,218.5	-154.7	-174.1	-146.9	0.15	0.12	-5.84
10,250.0	0.93	21.86	10,243.5	-154.3	-173.9	-146.6	0.46	0.28	-23.48
10,275.0	0.96	22.05	10,268.5	-153.9	-173.8	-146.2	0.12	0.12	0.76
10,300.0	0.92	20.04	10,293.5	-153.5	-173.6	-145.8	0.21	-0.16	-8.04
10,325.0	0.96	19.89	10,318.5	-153.2	-173.5	-145.5	0.16	0.16	-0.60
10,350.0	0.86	21.91	10,343.5	-152.8	-173.4	-145.1	0.42	-0.40	8.08
10,375.0	0.74	29.04	10,368.5	-152.5	-173.2	-144.8	0.62	-0.48	28.52
10,400.0	0.73	34.54	10,393.5	-152.2	-173.0	-144.5	0.28	-0.04	22.00
10,425.0	0.76	33.50	10,418.5	-151.9	-172.9	-144.3	0.13	0.12	-4.16
10,450.0	0.70	35.20	10,443.5	-151.7	-172.7	-144.0	0.26	-0.24	6.80
10,475.0	0.66	36.18	10,468.5	-151.4	-172.5	-143.8	0.17	-0.16	3.92
10,500.0	0.60	35.52	10,493.5	-151.2	-172.4	-143.6	0.24	-0.24	-2.64
10,525.0	0.49	20.11	10,518.5	-151.0	-172.2	-143.4	0.73	-0.44	-61.64
10,550.0	0.38	29.19	10,543.5	-150.8	-172.2	-143.2	0.52	-0.44	36.32
10,575.0	0.50	25.23	10,568.5	-150.7	-172.1	-143.0	0.49	0.48	-15.84
10,600.0	0.30	14.82	10,593.5	-150.5	-172.0	-142.9	0.85	-0.80	-41.64
10,625.0	0.38	17.75	10,618.5	-150.3	-172.0	-142.7	0.33	0.32	11.72
10,650.0	0.34	13.73	10,643.5	-150.2	-171.9	-142.6	0.19	-0.16	-16.08
10,675.0	0.34	22.24	10,668.5	-150.1	-171.9	-142.4	0.20	0.00	34.04
10,700.0	0.21	334.82	10,693.5	-149.9	-171.9	-142.3	1.00	-0.52	-189.68
10,725.0	0.28	313.10	10,718.5	-149.9	-171.9	-142.2	0.46	0.28	-86.88
10,750.0	0.45	292.05	10,743.5	-149.8	-172.1	-142.2	0.86	0.68	-84.20
10,775.0	0.65	276.04	10,768.5	-149.7	-172.3	-142.1	1.00	0.80	-64.04
10,800.0	0.71	276.64	10,793.5	-149.7	-172.6	-142.1	0.24	0.24	2.40
10,825.0	0.69	275.54	10,818.5	-149.7	-172.9	-142.0	0.10	-0.08	-4.40
10,850.0	0.73	275.13	10,843.5	-149.6	-173.2	-142.0	0.16	0.16	-1.64
10,875.0	0.69	274.17	10,868.5	-149.6	-173.5	-141.9	0.17	-0.16	-3.84
10,900.0	0.54	271.13	10,893.5	-149.6	-173.8	-141.9	0.61	-0.60	-12.16
10,925.0	0.48	263.05	10,918.5	-149.6	-174.0	-141.9	0.37	-0.24	-32.32
10,950.0	0.51	259.12	10,943.5	-149.6	-174.2	-141.9	0.18	0.12	-15.72
10,975.0	0.49	252.63	10,968.5	-149.7	-174.4	-142.0	0.24	-0.08	-25.96
11,000.0	0.55	248.80	10,993.5	-149.8	-174.6	-142.0	0.28	0.24	-15.32
11,025.0	0.56	254.76	11,018.5	-149.8	-174.9	-142.1	0.23	0.04	23.84
11,050.0	0.67	258.20	11,043.5	-149.9	-175.1	-142.2	0.46	0.44	13.76
11,075.0	0.69	256.33	11,068.5	-150.0	-175.4	-142.2	0.12	0.08	-7.48
11,100.0	0.63	254.74	11,093.5	-150.0	-175.7	-142.3	0.25	-0.24	-6.36
11,125.0	0.75	254.65	11,118.5	-150.1	-176.0	-142.3	0.48	0.48	-0.36



Intrepid Survey Report

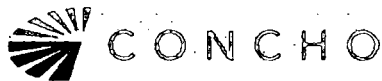


Company: Concho Resources, Inc.
Project: Lea County, NM (NAD 27 NME)
Site: (Dominator) Sec-25_T-25-S_R-33-E
Well: Dominator 25 Federal Com #707H
Wellbore: OWB
Design: AWB

Local Co-ordinate Reference: Well Dominator 25 Federal Com #707H
TVD Reference: KB @ 3363.8usft (Independence 205)
MD Reference: KB @ 3363.8usft (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	0.74	258.99	11,143.5	-150.2	-176.3	-142.4	0.23	-0.04	17.36
11,175.0	0.70	258.63	11,168.5	-150.3	-176.6	-142.4	0.16	-0.16	-1.44
11,200.0	0.71	261.88	11,193.5	-150.3	-176.9	-142.5	0.16	0.04	13.00
11,225.0	0.67	266.17	11,218.5	-150.3	-177.2	-142.5	0.26	-0.16	17.16
11,250.0	0.65	271.61	11,243.5	-150.4	-177.5	-142.5	0.26	-0.08	21.76
11,275.0	0.56	287.83	11,268.5	-150.3	-177.8	-142.4	0.77	-0.36	64.88
11,300.0	0.50	303.17	11,293.5	-150.2	-178.0	-142.3	0.61	-0.24	61.36
11,325.0	0.56	306.77	11,318.5	-150.1	-178.2	-142.2	0.27	0.24	14.40
11,350.0	0.58	314.06	11,343.5	-149.9	-178.4	-142.0	0.30	0.08	29.16
11,375.0	0.60	301.63	11,368.5	-149.8	-178.6	-141.9	0.52	0.08	-49.72
11,400.0	0.86	301.59	11,393.5	-149.6	-178.8	-141.7	1.04	1.04	-0.16
11,425.0	1.06	296.83	11,418.5	-149.4	-179.2	-141.5	0.86	0.80	-19.04
11,450.0	1.18	292.59	11,443.5	-149.2	-179.6	-141.2	0.58	0.48	-16.96
11,475.0	1.22	294.12	11,468.5	-149.0	-180.1	-141.0	0.20	0.16	6.12
11,500.0	1.26	304.42	11,493.5	-148.7	-180.6	-140.7	0.90	0.16	41.20
11,525.0	1.01	297.95	11,518.4	-148.5	-181.0	-140.5	1.12	-1.00	-25.88
11,550.0	0.91	282.68	11,543.4	-148.3	-181.4	-140.3	1.09	-0.40	-61.08
11,575.0	0.97	276.26	11,568.4	-148.2	-181.8	-140.2	0.48	0.24	-25.68
11,600.0	1.07	276.65	11,593.4	-148.2	-182.2	-140.1	0.40	0.40	1.56
11,625.0	1.10	279.20	11,618.4	-148.1	-182.7	-140.0	0.23	0.12	10.20
11,650.0	1.24	263.16	11,643.4	-148.1	-183.2	-140.0	1.42	0.56	-64.16
11,659.0	1.10	282.96	11,652.4	-148.1	-183.4	-140.0	4.73	-1.56	220.00
11,756.0	1.20	279.20	11,749.4	-147.7	-185.3	-139.5	0.13	0.10	-3.88
11,896.0	1.52	277.72	11,889.4	-147.3	-188.6	-138.9	0.23	0.23	-1.06
11,990.0	1.72	279.73	11,983.3	-146.9	-191.2	-138.4	0.22	0.21	2.14
12,084.0	1.68	283.99	12,077.3	-146.3	-194.0	-137.7	0.14	-0.04	4.53
12,178.0	1.70	254.11	12,171.3	-146.3	-196.6	-137.6	0.93	0.02	-31.79
12,210.0	1.63	283.99	12,203.2	-146.4	-197.5	-137.6	2.69	-0.22	93.38
12,241.0	2.52	330.73	12,234.2	-145.7	-198.3	-136.9	5.93	2.87	150.77
12,272.0	4.83	351.65	12,265.2	-143.8	-198.8	-135.0	8.50	7.45	67.48
12,304.0	8.11	357.85	12,296.9	-140.2	-199.1	-131.4	10.47	10.25	19.38
12,335.0	9.54	350.37	12,327.6	-135.5	-199.6	-126.7	5.91	4.61	-24.13
12,367.0	12.13	351.12	12,359.0	-129.5	-200.6	-120.7	8.11	8.09	2.34
12,400.0	14.62	349.69	12,391.1	-122.0	-201.8	-113.1	7.61	7.55	-4.33
12,432.0	19.33	353.55	12,421.7	-112.8	-203.2	-103.8	15.13	14.72	12.06
12,464.0	22.83	359.23	12,451.6	-101.3	-203.8	-92.3	12.65	10.94	17.75
12,495.0	28.76	3.04	12,479.5	-87.8	-203.5	-78.9	19.85	19.13	12.29
12,527.0	34.02	7.03	12,506.8	-71.2	-202.0	-62.4	17.67	16.44	12.47
12,559.0	39.28	7.86	12,532.4	-52.3	-199.5	-43.6	16.51	16.44	2.59
12,590.0	48.82	8.48	12,554.7	-31.0	-196.5	-22.4	30.81	30.77	2.00
12,622.0	53.22	8.53	12,574.8	-6.4	-192.8	2.0	13.75	13.75	0.16
12,653.0	55.15	7.41	12,593.0	18.5	-189.3	26.7	6.88	6.23	-3.61
12,685.0	57.90	6.33	12,610.6	45.0	-186.1	53.1	9.04	8.59	-3.38



Intrepid Survey Report



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Wellbore: OWB
Design: AWB

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MD Reference: KB @ 3363.8usft (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)
12,689.0	58.15	6.43	12,612.7	48.4	-185.7	56.4	6.69	6.35	2.50
FTP @ 12689'MD, 330'FSL & 157'FEL									
12,716.0	59.87	7.09	12,626.6	71.4	-183.0	79.3	6.69	6.36	2.44
12,747.0	62.80	7.20	12,641.5	98.4	-179.6	106.1	9.46	9.45	0.35
12,779.0	65.91	6.96	12,655.3	127.0	-176.1	134.5	9.74	9.72	-0.75
12,811.0	68.24	7.09	12,667.8	156.2	-172.5	163.6	7.29	7.28	0.41
12,842.0	71.39	6.13	12,678.5	185.1	-169.1	192.3	10.57	10.16	-3.10
12,873.0	75.86	6.21	12,687.2	214.7	-165.9	221.7	14.42	14.42	0.26
12,904.0	78.96	6.84	12,694.0	244.7	-162.5	251.6	10.19	10.00	2.03
12,936.0	82.83	7.70	12,699.1	276.1	-158.5	282.7	12.38	12.09	2.69
12,967.0	86.26	8.10	12,702.0	306.6	-154.3	313.1	11.14	11.06	1.29
12,998.0	90.44	6.36	12,702.9	337.4	-150.4	343.6	14.60	13.48	-5.61
13,029.0	92.89	4.61	12,702.0	368.2	-147.4	374.3	9.71	7.90	-5.65
13,123.0	92.50	1.71	12,697.6	462.0	-142.2	467.7	3.11	-0.41	-3.09
13,217.0	92.86	359.33	12,693.2	555.8	-141.4	561.5	2.56	0.38	-2.53
13,311.0	91.72	358.28	12,689.4	649.7	-143.3	655.4	1.65	-1.21	-1.12
13,407.0	89.19	354.47	12,688.7	745.5	-149.4	751.3	4.76	-2.64	-3.97
13,502.0	88.99	353.68	12,690.2	840.0	-159.2	846.1	0.86	-0.21	-0.83
13,595.0	87.54	353.78	12,693.0	932.4	-169.4	938.9	1.56	-1.56	0.11
13,689.0	92.65	356.63	12,692.8	1,026.0	-177.2	1,032.8	6.22	5.44	3.03
13,783.0	92.38	358.21	12,688.7	1,119.8	-181.4	1,126.7	1.70	-0.29	1.68
13,878.0	89.52	356.21	12,687.1	1,214.7	-186.1	1,221.6	3.67	-3.01	-2.11
13,971.0	90.35	356.62	12,687.2	1,307.5	-191.9	1,314.6	1.00	0.89	0.44
14,064.0	88.61	357.70	12,688.1	1,400.4	-196.5	1,407.6	2.20	-1.87	1.16
14,159.0	87.43	358.91	12,691.4	1,495.3	-199.3	1,502.5	1.78	-1.24	1.27
14,253.0	86.60	359.38	12,696.3	1,589.2	-200.7	1,596.4	1.01	-0.88	0.50
14,347.0	87.90	359.61	12,700.8	1,683.0	-201.5	1,690.2	1.40	1.38	0.24
14,440.0	89.44	0.39	12,702.9	1,776.0	-201.5	1,783.1	1.86	1.66	0.84
14,466.0	89.17	359.69	12,703.2	1,802.0	-201.5	1,809.1	2.89	-1.04	-2.69
14,560.0	92.44	359.43	12,701.9	1,896.0	-202.2	1,903.0	3.49	3.48	-0.28
14,654.0	88.37	358.27	12,701.3	1,989.9	-204.1	1,996.9	4.50	-4.33	-1.23
14,748.0	90.95	359.20	12,701.8	2,083.9	-206.2	2,090.9	2.92	2.74	0.99
14,842.0	92.35	0.43	12,699.1	2,177.9	-206.5	2,184.8	1.98	1.49	1.31
14,937.0	92.49	1.72	12,695.1	2,272.8	-204.7	2,279.5	1.36	0.15	1.36
15,029.0	89.48	2.93	12,693.5	2,364.7	-201.0	2,371.2	3.53	-3.27	1.32
15,123.0	89.31	2.09	12,694.5	2,458.6	-196.9	2,464.8	0.91	-0.18	-0.89
15,218.0	91.48	0.91	12,693.9	2,553.5	-194.4	2,559.6	2.60	2.28	-1.24
15,312.0	91.14	0.38	12,691.7	2,647.5	-193.3	2,653.4	0.67	-0.36	-0.56
15,407.0	88.87	0.60	12,691.7	2,742.5	-192.5	2,748.3	2.40	-2.39	0.23
15,501.0	87.96	0.95	12,694.3	2,836.4	-191.2	2,842.1	1.04	-0.97	0.37
15,595.0	88.21	0.63	12,697.4	2,930.4	-189.9	2,935.9	0.43	0.27	-0.34
15,689.0	88.17	0.31	12,700.4	3,024.3	-189.2	3,029.7	0.34	-0.04	-0.34
15,784.0	88.46	0.13	12,703.2	3,119.3	-188.8	3,124.5	0.36	0.31	-0.19
15,878.0	90.88	359.25	12,703.7	3,213.3	-189.3	3,218.5	2.74	2.57	-0.94



Intrepid Survey Report



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Wellbore: OWB
Design: AWB

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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)	Bulld Rate (°/100usft)	Turn Rate (°/100usft)
15,972.0	88.89	358.76	12,703.9	3,307.3	-190.9	3,312.4	2.18	-2.12	-0.52
16,066.0	90.58	359.88	12,704.4	3,401.2	-192.1	3,406.4	2.16	1.80	1.19
16,160.0	88.67	0.16	12,705.0	3,495.2	-192.0	3,500.3	2.05	-2.03	0.30
16,255.0	89.61	359.98	12,706.4	3,590.2	-191.9	3,595.2	1.01	0.99	-0.19
16,349.0	92.12	359.50	12,705.0	3,684.2	-192.3	3,689.1	2.72	2.67	-0.51
16,444.0	91.11	0.46	12,702.3	3,779.2	-192.4	3,784.0	1.47	-1.06	1.01
16,537.0	89.64	359.39	12,701.7	3,872.2	-192.5	3,876.9	1.96	-1.58	-1.15
16,632.0	91.07	1.69	12,701.1	3,967.1	-191.6	3,971.7	2.85	1.51	2.42
16,725.0	89.59	358.35	12,700.6	4,060.1	-191.6	4,064.6	3.93	-1.59	-3.59
16,820.0	90.74	357.61	12,700.3	4,155.1	-194.9	4,159.6	1.44	1.21	-0.78
16,914.0	92.58	356.98	12,697.6	4,248.9	-199.3	4,253.6	2.07	1.96	-0.67
17,007.0	91.97	356.40	12,693.9	4,341.7	-204.7	4,346.5	0.90	-0.66	-0.62
17,101.0	88.01	357.54	12,693.9	4,435.5	-209.7	4,440.5	4.38	-4.21	1.21
17,196.0	89.08	357.36	12,696.3	4,530.4	-213.9	4,535.4	1.14	1.13	-0.19
17,290.0	90.36	357.58	12,696.8	4,624.3	-218.1	4,629.4	1.38	1.36	0.23
17,332.1	90.32	356.76	12,696.5	4,666.4	-220.1	4,671.5	1.94	-0.09	-1.94
LTP @ 17332.1'MD, 330'FNL & 157'FEL									
17,384.0	90.28	355.76	12,696.3	4,718.1	-223.5	4,723.4	1.94	-0.09	-1.94
17,399.0	91.04	356.05	12,696.1	4,733.1	-224.6	4,738.4	5.42	5.07	1.93
LAST SVY									
17,462.0	91.50	356.05	12,694.7	4,795.9	-228.9	4,801.4	0.73	0.73	0.00
Projection to TD @ 17462'MD, 201'FNL & 165'FEL									

Design Targets

Target Name

- hit/miss target	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
- Shape									
FTP (Dominator 25 Fe	0.00	0.00	12,676.0	48.5	-172.2	399,233.74	749,997.46	32° 5' 42.133 N	103° 31' 33.794 W
- actual wellpath misses target center by 55.1usft at 12721.0usft MD (12629.1 TVD, 75.7 N, -182.5 E)									
- Point									
PBHL (Dominator 25 I	-0.59	359.56	12,690.0	4,796.6	-208.7	403,981.80	749,961.00	32° 6' 29.121 N	103° 31' 33.805 W
- actual wellpath misses target center by 20.8usft at 17461.4usft MD (12694.7 TVD, 4795.3 N, -228.9 E)									
- Rectangle (sides W60.0 H1,332.5 D20.0)									
LTP (Dominator 25 Fe	0.00	359.56	12,691.3	4,666.7	-207.7	403,851.89	749,961.95	32° 6' 27.835 N	103° 31' 33.805 W
- actual wellpath misses target center by 13.4usft at 17331.9usft MD (12696.5 TVD, 4666.1 N, -220.1 E)									
- Rectangle (sides W60.0 H4,619.3 D0.0)									



Intrepid
Survey Report



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North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.15 Single User Db

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
1,147.3	1,147.2	Rustler			
1,548.4	1,548.2	TOS			
5,111.8	5,108.2	BOS (Fletcher)			
5,230.0	5,226.2	LMAR (Top Delaware)			
5,272.0	5,268.2	BLCN			
6,271.9	6,267.2	CYCN			
7,853.4	7,847.2	BYCN			
9,319.4	9,313.2	Bone Sprg (BSGL)			
9,393.5	9,387.2	U Avalon Sh			
10,004.6	9,998.2	L Avalon Sh			
10,154.6	10,148.2	B Avalon Sh			
10,351.7	10,345.2	FBSG_sand			
10,869.7	10,863.2	SBSG_sand			
11,389.7	11,383.2	SBSG_sand_Base			
11,993.9	11,987.2	TBSG_sand			
12,379.5	12,371.2	WFMP			

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
12,689.0	12,612.7	48.4	-185.7	FTP @ 12689'MD, 330'FSL & 157'FEL
17,332.1	12,696.5	4,666.4	-220.1	LTP @ 17332.1'MD, 330'FNL & 157'FEL
17,399.0	12,696.1	4,733.1	-224.6	LAST SVY
17,462.0	12,694.7	4,795.9	-228.9	Projection to TD @ 17462'MD, 201'FNL & 165'FEL

Checked By: _____ Approved By: _____ Date: _____