



CONCHO

Concho Resources, Inc.

Lea County, NM (NAD 27 NME)
(Dominator) Sec-25_T-25-S_R-33-E
Dominator 25 Federal Com #604H
API# 30-025-44741
OWB

HOBBS OCD
MAY 10 2019
RECEIVED

Design: AWB

Standard Survey Report

18 September, 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 #604H
Wellbore: OWB
Design: AWB

Local Co-ordinate Reference: Well Dominator 25 Federal Com #604H
TVD Reference: KB @ 3362.2usft (Latshaw 44)
MD Reference: KB @ 3362.2usft (Latshaw 44)
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 #604H

Well Position **+N/-S** 0.0 usft **Northing:** 399,196.70 usft **Latitude:** 32° 5' 41.658 N
+E/-W 0.0 usft **Easting:** 751,463.70 usft **Longitude:** 103° 31' 16.754 W
Position Uncertainty 0.0 usft **Wellhead Elevation:** usft **Ground Level:** 3,337.2 usft

Wellbore OWB

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	06/15/18	6.81	59.94	47,765.16742923

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	354.10

Survey Program Date 09/18/18

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
100.0	11,658.0	SDI Gyro (OWB)	Standard Keeper 104	Standard Wireline Keeper ver 1.0.4
11,851.0	17,281.0	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	0.70	175.76	100.0	-0.6	0.0	-0.6	0.70	0.70	0.00
125.0	0.62	174.43	125.0	-0.9	0.1	-0.9	0.33	-0.32	-5.32
150.0	0.57	172.07	150.0	-1.2	0.1	-1.2	0.22	-0.20	-9.44
175.0	0.70	172.15	175.0	-1.4	0.1	-1.4	0.52	0.52	0.32
200.0	0.72	157.82	200.0	-1.7	0.2	-1.7	0.71	0.08	-57.32
225.0	1.02	160.34	225.0	-2.1	0.4	-2.1	1.21	1.20	10.08
250.0	0.68	140.36	250.0	-2.4	0.5	-2.4	1.78	-1.36	-79.92
275.0	0.91	140.10	275.0	-2.7	0.7	-2.7	0.92	0.92	-1.04
300.0	1.00	149.11	300.0	-3.0	1.0	-3.1	0.70	0.36	36.04



Intrepid Survey Report

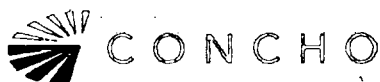


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Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
325.0	1.16	155.62	325.0	-3.4	1.2	-3.5	0.81	0.64	26.04
350.0	0.95	145.07	350.0	-3.8	1.4	-4.0	1.14	-0.84	-42.20
375.0	0.95	144.71	375.0	-4.2	1.7	-4.3	0.02	0.00	-1.44
400.0	1.02	148.71	400.0	-4.5	1.9	-4.7	0.39	0.28	16.00
425.0	0.99	146.74	425.0	-4.9	2.1	-5.1	0.18	-0.12	-7.88
450.0	1.06	147.43	450.0	-5.3	2.4	-5.5	0.28	0.28	2.76
475.0	0.96	147.83	475.0	-5.6	2.6	-5.9	0.40	-0.40	1.60
500.0	0.90	145.11	499.9	-6.0	2.8	-6.2	0.30	-0.24	-10.88
525.0	1.00	148.97	524.9	-6.3	3.1	-6.6	0.47	0.40	15.44
550.0	0.90	151.46	549.9	-6.7	3.3	-7.0	0.43	-0.40	9.96
575.0	0.87	152.78	574.9	-7.0	3.4	-7.3	0.15	-0.12	5.28
600.0	0.72	158.61	599.9	-7.3	3.6	-7.7	0.68	-0.60	23.32
625.0	0.53	166.82	624.9	-7.6	3.7	-7.9	0.84	-0.76	32.84
650.0	0.47	176.68	649.9	-7.8	3.7	-8.2	0.42	-0.24	39.44
675.0	0.57	197.01	674.9	-8.0	3.7	-8.4	0.83	0.40	81.32
700.0	0.46	197.38	699.9	-8.3	3.6	-8.6	0.44	-0.44	1.48
725.0	0.49	206.47	724.9	-8.4	3.5	-8.8	0.32	0.12	36.36
750.0	0.54	216.93	749.9	-8.6	3.4	-8.9	0.43	0.20	41.84
775.0	0.48	222.44	774.9	-8.8	3.3	-9.1	0.31	-0.24	22.04
800.0	0.50	218.01	799.9	-9.0	3.1	-9.2	0.17	0.08	-17.72
825.0	0.31	227.11	824.9	-9.1	3.0	-9.4	0.80	-0.76	36.40
850.0	0.24	240.55	849.9	-9.2	2.9	-9.4	0.38	-0.28	53.76
875.0	0.16	270.88	874.9	-9.2	2.8	-9.4	0.52	-0.32	121.32
900.0	0.13	298.19	899.9	-9.2	2.8	-9.4	0.30	-0.12	109.24
925.0	0.17	310.30	924.9	-9.2	2.7	-9.4	0.20	0.16	48.44
950.0	0.11	337.53	949.9	-9.1	2.7	-9.3	0.35	-0.24	108.92
975.0	0.12	311.23	974.9	-9.1	2.7	-9.3	0.21	0.04	-105.20
1,000.0	0.25	321.27	999.9	-9.0	2.6	-9.2	0.53	0.52	40.16
1,025.0	0.29	331.31	1,024.9	-8.9	2.5	-9.1	0.25	0.16	40.16
1,050.0	0.43	341.04	1,049.9	-8.8	2.5	-9.0	0.61	0.56	38.92
1,075.0	0.53	338.91	1,074.9	-8.6	2.4	-8.8	0.41	0.40	-8.52
1,100.0	0.66	334.62	1,099.9	-8.3	2.3	-8.5	0.55	0.52	-17.16
1,125.0	0.67	335.09	1,124.9	-8.1	2.2	-8.2	0.05	0.04	1.88
1,150.0	0.83	340.70	1,149.9	-7.8	2.1	-7.9	0.70	0.64	22.44
1,175.0	0.76	340.94	1,174.9	-7.4	1.9	-7.6	0.28	-0.28	0.96
1,200.0	0.79	337.13	1,199.9	-7.1	1.8	-7.3	0.24	0.12	-15.24
1,225.0	0.80	338.59	1,224.9	-6.8	1.7	-6.9	0.09	0.04	5.84
1,250.0	0.78	344.09	1,249.9	-6.5	1.6	-6.6	0.31	-0.08	22.00
1,275.0	0.71	344.77	1,274.9	-6.2	1.5	-6.3	0.28	-0.28	2.72
1,300.0	0.85	349.83	1,299.9	-5.8	1.4	-5.9	0.62	0.56	20.24
1,325.0	0.84	350.49	1,324.9	-5.5	1.4	-5.6	0.06	-0.04	2.64
1,350.0	0.70	347.28	1,349.9	-5.1	1.3	-5.2	0.59	-0.56	-12.84
1,375.0	0.80	348.24	1,374.9	-4.8	1.2	-4.9	0.40	0.40	3.84



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Survey

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1,400.0	0.89	351.23	1,399.9	-4.5	1.2	-4.5	0.40	0.36	11.96
1,425.0	0.77	349.71	1,424.9	-4.1	1.1	-4.2	0.49	-0.48	-6.08
1,450.0	0.76	339.97	1,449.9	-3.8	1.0	-3.9	0.52	-0.04	-38.96
1,475.0	0.94	325.43	1,474.9	-3.4	0.8	-3.5	1.12	0.72	-58.16
1,500.0	1.28	301.05	1,499.9	-3.1	0.5	-3.2	2.30	1.36	-97.52
1,525.0	1.65	291.62	1,524.9	-2.9	-0.1	-2.8	1.76	1.48	-37.72
1,550.0	1.76	283.82	1,549.9	-2.6	-0.8	-2.5	1.03	0.44	-31.20
1,575.0	1.91	288.48	1,574.9	-2.4	-1.6	-2.2	0.85	0.60	18.64
1,600.0	1.92	284.36	1,599.8	-2.2	-2.4	-1.9	0.55	0.04	-16.48
1,625.0	1.96	286.12	1,624.8	-2.0	-3.2	-1.6	0.29	0.16	7.04
1,650.0	2.22	285.78	1,649.8	-1.7	-4.1	-1.3	1.04	1.04	-1.36
1,675.0	2.61	282.44	1,674.8	-1.4	-5.1	-0.9	1.66	1.56	-13.36
1,700.0	2.95	280.74	1,699.8	-1.2	-6.3	-0.6	1.40	1.36	-6.80
1,725.0	3.05	282.39	1,724.7	-0.9	-7.5	-0.2	0.53	0.40	6.60
1,750.0	3.09	280.79	1,749.7	-0.7	-8.9	0.2	0.38	0.16	-6.40
1,775.0	3.06	278.23	1,774.6	-0.5	-10.2	0.6	0.56	-0.12	-10.24
1,800.0	3.09	279.51	1,799.6	-0.2	-11.5	0.9	0.30	0.12	5.12
1,825.0	3.32	276.02	1,824.6	-0.1	-12.9	1.3	1.21	0.92	-13.96
1,850.0	3.74	273.25	1,849.5	0.1	-14.4	1.5	1.81	1.68	-11.08
1,875.0	4.13	270.97	1,874.5	0.1	-16.1	1.8	1.68	1.56	-9.12
1,900.0	4.53	268.93	1,899.4	0.1	-18.0	2.0	1.71	1.60	-8.16
1,925.0	4.67	264.61	1,924.3	0.0	-20.0	2.1	1.49	0.56	-17.28
1,950.0	4.95	260.39	1,949.2	-0.3	-22.1	2.0	1.80	1.12	-16.88
1,975.0	5.26	253.36	1,974.1	-0.8	-24.3	1.7	2.79	1.24	-28.12
2,000.0	5.44	252.18	1,999.0	-1.5	-26.5	1.3	0.84	0.72	-4.72
2,025.0	5.50	250.71	2,023.9	-2.2	-28.7	0.7	0.61	0.24	-5.88
2,050.0	5.49	250.90	2,048.8	-3.0	-31.0	0.2	0.08	-0.04	0.76
2,075.0	5.50	250.53	2,073.7	-3.8	-33.3	-0.4	0.15	0.04	-1.48
2,100.0	5.48	250.18	2,098.6	-4.6	-35.5	-0.9	0.16	-0.08	-1.40
2,125.0	5.37	247.57	2,123.4	-5.5	-37.7	-1.6	1.08	-0.44	-10.44
2,150.0	5.11	241.89	2,148.3	-6.4	-39.8	-2.3	2.32	-1.04	-22.72
2,175.0	4.89	232.33	2,173.3	-7.6	-41.6	-3.3	3.44	-0.88	-38.24
2,200.0	4.85	229.30	2,198.2	-8.9	-43.3	-4.5	1.04	-0.16	-12.12
2,225.0	4.89	227.84	2,223.1	-10.3	-44.9	-5.7	0.52	0.16	-5.84
2,250.0	4.85	228.11	2,248.0	-11.8	-46.4	-6.9	0.18	-0.16	1.08
2,275.0	4.82	227.81	2,272.9	-13.2	-48.0	-8.2	0.16	-0.12	-1.20
2,300.0	4.70	227.56	2,297.8	-14.6	-49.5	-9.4	0.49	-0.48	-1.00
2,325.0	4.35	227.16	2,322.7	-15.9	-51.0	-10.6	1.41	-1.40	-1.60
2,350.0	3.76	226.13	2,347.7	-17.1	-52.3	-11.7	2.38	-2.36	-4.12
2,375.0	3.07	223.88	2,372.6	-18.2	-53.3	-12.6	2.81	-2.76	-9.00
2,400.0	2.49	224.38	2,397.6	-19.0	-54.2	-13.4	2.32	-2.32	2.00
2,425.0	2.41	224.47	2,422.6	-19.8	-54.9	-14.1	0.32	-0.32	0.36
2,450.0	2.25	225.16	2,447.5	-20.5	-55.6	-14.7	0.65	-0.64	2.76



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2,475.0	2.33	225.07	2,472.5	-21.2	-56.3	-15.3	0.32	0.32	-0.36
2,500.0	2.20	227.72	2,497.5	-21.9	-57.0	-15.9	0.67	-0.52	10.60
2,525.0	1.83	241.44	2,522.5	-22.4	-57.8	-16.4	2.42	-1.48	54.88
2,550.0	1.50	246.80	2,547.5	-22.8	-58.4	-16.6	1.46	-1.32	21.44
2,575.0	1.40	253.08	2,572.5	-23.0	-59.0	-16.8	0.75	-0.40	25.12
2,600.0	1.39	254.46	2,597.5	-23.1	-59.6	-16.9	0.14	-0.04	5.52
2,625.0	1.40	257.16	2,622.5	-23.3	-60.2	-17.0	0.27	0.04	10.80
2,650.0	1.33	256.47	2,647.5	-23.4	-60.8	-17.1	0.29	-0.28	-2.76
2,675.0	1.33	259.73	2,672.4	-23.5	-61.3	-17.1	0.30	0.00	13.04
2,700.0	1.24	259.94	2,697.4	-23.6	-61.9	-17.2	0.36	-0.36	0.84
2,725.0	1.21	257.84	2,722.4	-23.7	-62.4	-17.2	0.22	-0.12	-8.40
2,750.0	1.15	256.02	2,747.4	-23.9	-62.9	-17.3	0.28	-0.24	-7.28
2,775.0	1.10	258.64	2,772.4	-24.0	-63.4	-17.3	0.29	-0.20	10.48
2,800.0	1.05	254.22	2,797.4	-24.1	-63.8	-17.4	0.39	-0.20	-17.68
2,825.0	1.02	257.42	2,822.4	-24.2	-64.3	-17.5	0.26	-0.12	12.80
2,850.0	0.85	257.28	2,847.4	-24.3	-64.7	-17.5	0.68	-0.68	-0.56
2,875.0	0.71	257.41	2,872.4	-24.4	-65.0	-17.5	0.56	-0.56	0.52
2,900.0	0.65	257.25	2,897.4	-24.4	-65.3	-17.6	0.24	-0.24	-0.64
2,925.0	0.65	257.94	2,922.4	-24.5	-65.6	-17.6	0.03	0.00	2.76
2,950.0	0.72	262.35	2,947.4	-24.5	-65.9	-17.6	0.35	0.28	17.64
2,975.0	0.69	259.40	2,972.4	-24.6	-66.2	-17.7	0.19	-0.12	-11.80
3,000.0	0.87	259.67	2,997.4	-24.6	-66.5	-17.7	0.72	0.72	1.08
3,025.0	1.37	261.99	3,022.4	-24.7	-67.0	-17.7	2.01	2.00	9.28
3,050.0	1.39	257.81	3,047.4	-24.8	-67.6	-17.7	0.41	0.08	-16.72
3,075.0	1.33	260.23	3,072.4	-24.9	-68.2	-17.8	0.33	-0.24	9.68
3,100.0	1.25	260.13	3,097.4	-25.0	-68.7	-17.8	0.32	-0.32	-0.40
3,125.0	1.07	262.46	3,122.4	-25.1	-69.2	-17.9	0.74	-0.72	9.32
3,150.0	0.85	267.32	3,147.4	-25.1	-69.6	-17.9	0.94	-0.88	19.44
3,175.0	0.60	275.78	3,172.4	-25.1	-69.9	-17.8	1.09	-1.00	33.84
3,200.0	0.30	283.02	3,197.4	-25.1	-70.1	-17.8	1.22	-1.20	28.96
3,225.0	0.14	331.66	3,222.4	-25.1	-70.2	-17.7	0.93	-0.64	194.56
3,250.0	0.18	109.45	3,247.4	-25.1	-70.2	-17.7	1.20	0.16	551.16
3,275.0	0.27	145.57	3,272.4	-25.1	-70.1	-17.8	0.65	0.36	144.48
3,300.0	1.02	204.36	3,297.4	-25.4	-70.2	-18.0	3.64	3.00	235.16
3,325.0	1.20	205.90	3,322.4	-25.8	-70.4	-18.4	0.73	0.72	6.16
3,350.0	1.22	207.11	3,347.3	-26.3	-70.6	-18.9	0.13	0.08	4.84
3,375.0	1.23	204.77	3,372.3	-26.8	-70.9	-19.3	0.20	0.04	-9.36
3,400.0	1.22	197.07	3,397.3	-27.3	-71.0	-19.8	0.66	-0.04	-30.80
3,425.0	1.24	193.65	3,422.3	-27.8	-71.2	-20.3	0.30	0.08	-13.68
3,450.0	1.27	191.63	3,447.3	-28.3	-71.3	-20.8	0.21	0.12	-8.08
3,475.0	1.58	206.37	3,472.3	-28.9	-71.5	-21.4	1.91	1.24	58.96
3,500.0	2.55	221.56	3,497.3	-29.6	-72.0	-22.1	4.42	3.88	60.76
3,525.0	2.59	221.99	3,522.3	-30.5	-72.8	-22.8	0.18	0.16	1.72
3,550.0	2.62	223.26	3,547.3	-31.3	-73.6	-23.6	0.26	0.12	5.08



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 #604H
Wellbore: OWB
Design: AWB

Local Co-ordinate Reference: Well Dominator 25 Federal Com #604H
TVD Reference: KB @ 3362.2usft (Latshaw 44)
MD Reference: KB @ 3362.2usft (Latshaw 44)
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	2.97	230.46	3,572.2	-32.1	-74.4	-24.3	1.98	1.40	28.80
3,600.0	3.67	234.30	3,597.2	-33.0	-75.6	-25.1	2.94	2.80	15.36
3,625.0	3.87	235.80	3,622.1	-33.9	-76.9	-25.9	0.89	0.80	6.00
3,650.0	3.90	235.33	3,647.1	-34.9	-78.3	-26.7	0.17	0.12	-1.88
3,675.0	3.85	234.89	3,672.0	-35.9	-79.7	-27.5	0.23	-0.20	-1.76
3,700.0	4.03	232.78	3,697.0	-36.9	-81.1	-28.3	0.92	0.72	-8.44
3,725.0	3.94	233.35	3,721.9	-37.9	-82.5	-29.2	0.39	-0.36	2.28
3,750.0	3.70	234.16	3,746.8	-38.9	-83.8	-30.1	0.98	-0.96	3.24
3,775.0	3.70	234.56	3,771.8	-39.8	-85.2	-30.9	0.10	0.00	1.60
3,800.0	3.74	234.67	3,796.7	-40.8	-86.5	-31.7	0.16	0.16	0.44
3,825.0	3.63	237.26	3,821.7	-41.7	-87.8	-32.4	0.80	-0.44	10.36
3,850.0	3.69	244.07	3,846.6	-42.5	-89.2	-33.1	1.75	0.24	27.24
3,875.0	3.57	257.25	3,871.6	-43.0	-90.7	-33.4	3.36	-0.48	52.72
3,900.0	3.44	262.29	3,896.5	-43.3	-92.2	-33.6	1.34	-0.52	20.16
3,925.0	3.21	263.27	3,921.5	-43.4	-93.6	-33.6	0.95	-0.92	3.92
3,950.0	2.87	264.03	3,946.5	-43.6	-94.9	-33.6	1.37	-1.36	3.04
3,975.0	2.56	268.48	3,971.4	-43.7	-96.1	-33.6	1.50	-1.24	17.80
4,000.0	2.29	271.06	3,996.4	-43.7	-97.2	-33.5	1.16	-1.08	10.32
4,025.0	2.19	273.01	4,021.4	-43.6	-98.2	-33.3	0.50	-0.40	7.80
4,050.0	2.19	272.90	4,046.4	-43.6	-99.1	-33.2	0.02	0.00	-0.44
4,075.0	2.17	275.47	4,071.3	-43.5	-100.1	-33.0	0.40	-0.08	10.28
4,100.0	2.17	274.50	4,096.3	-43.4	-101.0	-32.8	0.15	0.00	-3.88
4,125.0	2.26	273.93	4,121.3	-43.4	-102.0	-32.7	0.37	0.36	-2.28
4,150.0	3.04	279.16	4,146.3	-43.2	-103.1	-32.4	3.26	3.12	20.92
4,175.0	3.38	279.07	4,171.2	-43.0	-104.5	-32.0	1.36	1.36	-0.36
4,200.0	3.40	279.80	4,196.2	-42.8	-105.9	-31.7	0.19	0.08	2.92
4,225.0	3.39	280.15	4,221.2	-42.5	-107.4	-31.3	0.09	-0.04	1.40
4,250.0	3.33	279.65	4,246.1	-42.3	-108.9	-30.9	0.27	-0.24	-2.00
4,275.0	3.28	280.92	4,271.1	-42.0	-110.3	-30.5	0.35	-0.20	5.08
4,300.0	3.31	281.35	4,296.0	-41.7	-111.7	-30.0	0.16	0.12	1.72
4,325.0	3.33	282.27	4,321.0	-41.4	-113.1	-29.6	0.23	0.08	3.68
4,350.0	3.24	281.88	4,345.9	-41.1	-114.5	-29.1	0.37	-0.36	-1.56
4,375.0	3.04	281.48	4,370.9	-40.9	-115.8	-28.7	0.80	-0.80	-1.60
4,400.0	3.08	278.04	4,395.9	-40.6	-117.2	-28.4	0.75	0.16	-13.76
4,425.0	3.13	274.91	4,420.8	-40.5	-118.5	-28.1	0.71	0.20	-12.52
4,450.0	3.12	267.35	4,445.8	-40.4	-119.9	-27.9	1.65	-0.04	-30.24
4,475.0	3.15	262.16	4,470.8	-40.6	-121.2	-27.9	1.14	0.12	-20.76
4,500.0	3.09	253.92	4,495.7	-40.9	-122.5	-28.0	1.81	-0.24	-32.96
4,525.0	3.25	247.29	4,520.7	-41.3	-123.8	-28.4	1.60	0.64	-26.52
4,550.0	3.32	243.24	4,545.6	-41.9	-125.1	-28.8	0.97	0.28	-16.20
4,575.0	3.25	243.06	4,570.6	-42.6	-126.4	-29.3	0.28	-0.28	-0.72
4,600.0	3.29	242.68	4,595.6	-43.2	-127.7	-29.9	0.18	0.16	-1.52
4,625.0	3.12	244.45	4,620.5	-43.8	-128.9	-30.4	0.79	-0.68	7.08



Intrepid Survey Report



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Site: (Dominator) Sec-25_T-25-S_R-33-E
Well: Dominator 25 Federal Com #604H
Wellbore: OWB
Design: AWB

Local Co-ordinate Reference: Well Dominator 25 Federal Com #604H
TVD Reference: KB @ 3362.2usft (Latshaw 44)
MD Reference: KB @ 3362.2usft (Latshaw 44)
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	2.79	245.10	4,645.5	-44.4	-130.1	-30.8	1.33	-1.32	2.60
4,675.0	2.62	241.97	4,670.5	-44.9	-131.2	-31.2	0.90	-0.68	-12.52
4,700.0	2.32	235.60	4,695.4	-45.5	-132.1	-31.6	1.62	-1.20	-25.48
4,725.0	2.27	224.80	4,720.4	-46.1	-132.9	-32.2	1.74	-0.20	-43.20
4,750.0	2.17	217.70	4,745.4	-46.8	-133.5	-32.9	1.17	-0.40	-28.40
4,775.0	2.13	215.99	4,770.4	-47.6	-134.1	-33.5	0.30	-0.16	-6.84
4,800.0	2.20	216.21	4,795.4	-48.3	-134.6	-34.3	0.28	0.28	0.88
4,825.0	2.16	221.05	4,820.4	-49.1	-135.2	-34.9	0.75	-0.16	19.36
4,850.0	2.13	220.33	4,845.3	-49.8	-135.8	-35.6	0.16	-0.12	-2.88
4,875.0	2.18	222.86	4,870.3	-50.5	-136.4	-36.2	0.43	0.20	10.12
4,900.0	2.22	233.67	4,895.3	-51.1	-137.2	-36.8	1.67	0.16	43.24
4,925.0	2.16	249.04	4,920.3	-51.6	-138.0	-37.1	2.35	-0.24	61.48
4,950.0	2.29	255.26	4,945.3	-51.9	-138.9	-37.3	1.10	0.52	24.88
4,975.0	2.55	262.14	4,970.2	-52.1	-139.9	-37.4	1.56	1.04	27.52
5,000.0	3.06	274.08	4,995.2	-52.1	-141.2	-37.3	3.09	2.04	47.76
5,025.0	3.55	278.90	5,020.2	-51.9	-142.6	-37.0	2.25	1.96	19.28
5,050.0	3.59	278.26	5,045.1	-51.7	-144.1	-36.6	0.23	0.16	-2.56
5,075.0	3.47	278.87	5,070.1	-51.5	-145.6	-36.2	0.50	-0.48	2.44
5,100.0	3.50	278.73	5,095.0	-51.2	-147.2	-35.9	0.12	0.12	-0.56
5,125.0	3.56	279.13	5,120.0	-51.0	-148.7	-35.5	0.26	0.24	1.60
5,150.0	3.39	279.21	5,144.9	-50.8	-150.2	-35.1	0.68	-0.68	0.32
5,175.0	3.38	278.95	5,169.9	-50.5	-151.6	-34.7	0.07	-0.04	-1.04
5,200.0	3.16	279.58	5,194.8	-50.3	-153.0	-34.3	0.89	-0.88	2.52
5,225.0	3.12	280.08	5,219.8	-50.1	-154.4	-33.9	0.19	-0.16	2.00
5,250.0	3.13	278.86	5,244.8	-49.8	-155.7	-33.6	0.27	0.04	-4.88
5,275.0	3.20	279.06	5,269.7	-49.6	-157.1	-33.2	0.28	0.28	0.80
5,300.0	3.05	279.49	5,294.7	-49.4	-158.4	-32.9	0.61	-0.60	1.72
5,325.0	2.99	279.17	5,319.7	-49.2	-159.7	-32.5	0.25	-0.24	-1.28
5,350.0	2.99	279.14	5,344.6	-49.0	-161.0	-32.2	0.01	0.00	-0.12
5,375.0	3.05	279.22	5,369.6	-48.8	-162.3	-31.8	0.24	0.24	0.32
5,400.0	3.08	277.88	5,394.6	-48.6	-163.6	-31.5	0.31	0.12	-5.36
5,425.0	2.93	278.51	5,419.5	-48.4	-164.9	-31.2	0.61	-0.60	2.52
5,450.0	2.93	278.01	5,444.5	-48.2	-166.2	-30.9	0.10	0.00	-2.00
5,475.0	2.89	278.73	5,469.5	-48.0	-167.5	-30.6	0.22	-0.16	2.88
5,500.0	3.07	276.37	5,494.4	-47.9	-168.7	-30.3	0.87	0.72	-9.44
5,525.0	2.90	278.26	5,519.4	-47.7	-170.0	-30.0	0.79	-0.68	7.56
5,550.0	2.82	279.63	5,544.4	-47.5	-171.3	-29.7	0.42	-0.32	5.48
5,575.0	2.82	277.81	5,569.3	-47.3	-172.5	-29.3	0.36	0.00	-7.28
5,600.0	2.72	280.07	5,594.3	-47.1	-173.7	-29.0	0.59	-0.40	9.04
5,625.0	2.90	278.53	5,619.3	-46.9	-174.9	-28.7	0.78	0.72	-6.16
5,650.0	2.81	273.93	5,644.2	-46.8	-176.1	-28.4	0.98	-0.36	-18.40
5,675.0	2.63	265.12	5,669.2	-46.8	-177.3	-28.3	1.82	-0.72	-35.24
5,700.0	2.56	263.78	5,694.2	-46.9	-178.4	-28.3	0.37	-0.28	-5.36



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)
5,725.0	2.58	261.60	5,719.2	-47.1	-179.5	-28.4	0.40	0.08	-8.72
5,750.0	2.64	254.78	5,744.1	-47.3	-180.7	-28.5	1.26	0.24	-27.28
5,775.0	3.02	240.01	5,769.1	-47.8	-181.8	-28.8	3.28	1.52	-59.08
5,800.0	3.22	236.81	5,794.1	-48.5	-182.9	-29.4	1.06	0.80	-12.80
5,825.0	3.15	235.22	5,819.0	-49.3	-184.1	-30.1	0.45	-0.28	-6.36
5,850.0	3.27	235.22	5,844.0	-50.1	-185.2	-30.8	0.48	0.48	0.00
5,875.0	3.19	235.16	5,869.0	-50.9	-186.4	-31.4	0.32	-0.32	-0.24
5,900.0	3.17	235.35	5,893.9	-51.6	-187.5	-32.1	0.09	-0.08	0.76
5,925.0	2.97	233.60	5,918.9	-52.4	-188.6	-32.8	0.88	-0.80	-7.00
5,950.0	2.62	229.92	5,943.8	-53.2	-189.6	-33.4	1.57	-1.40	-14.72
5,975.0	2.40	229.34	5,968.8	-53.9	-190.4	-34.0	0.89	-0.88	-2.32
6,000.0	2.31	228.94	5,993.8	-54.6	-191.2	-34.6	0.37	-0.36	-1.60
6,025.0	2.16	229.21	6,018.8	-55.2	-191.9	-35.2	0.60	-0.60	1.08
6,050.0	2.13	228.79	6,043.8	-55.8	-192.6	-35.7	0.14	-0.12	-1.68
6,075.0	2.00	226.24	6,068.7	-56.4	-193.3	-36.3	0.64	-0.52	-10.20
6,100.0	2.02	227.75	6,093.7	-57.0	-194.0	-36.8	0.23	0.08	6.04
6,125.0	2.01	231.04	6,118.7	-57.6	-194.6	-37.3	0.46	-0.04	13.16
6,150.0	2.00	229.13	6,143.7	-58.1	-195.3	-37.8	0.27	-0.04	-7.64
6,175.0	2.06	230.77	6,168.7	-58.7	-196.0	-38.3	0.33	0.24	6.56
6,200.0	2.11	231.31	6,193.7	-59.3	-196.7	-38.8	0.21	0.20	2.16
6,225.0	2.10	236.44	6,218.7	-59.8	-197.4	-39.2	0.75	-0.04	20.52
6,250.0	2.47	251.22	6,243.6	-60.3	-198.3	-39.6	2.77	1.48	59.12
6,275.0	2.51	252.07	6,268.6	-60.6	-199.3	-39.8	0.22	0.16	3.40
6,300.0	2.53	252.08	6,293.6	-60.9	-200.4	-40.0	0.08	0.08	0.04
6,325.0	2.61	250.06	6,318.6	-61.3	-201.4	-40.3	0.48	0.32	-8.08
6,350.0	2.49	250.46	6,343.5	-61.7	-202.5	-40.5	0.49	-0.48	1.60
6,375.0	2.59	252.38	6,368.5	-62.0	-203.5	-40.8	0.53	0.40	7.68
6,400.0	2.67	250.80	6,393.5	-62.4	-204.6	-41.0	0.43	0.32	-6.32
6,425.0	2.55	251.25	6,418.5	-62.8	-205.7	-41.3	0.49	-0.48	1.80
6,450.0	2.49	251.26	6,443.4	-63.1	-206.7	-41.5	0.24	-0.24	0.04
6,475.0	2.54	252.18	6,468.4	-63.5	-207.8	-41.8	0.26	0.20	3.68
6,500.0	2.49	252.93	6,493.4	-63.8	-208.8	-42.0	0.24	-0.20	3.00
6,525.0	2.53	252.84	6,518.4	-64.1	-209.9	-42.2	0.16	0.16	-0.36
6,550.0	2.54	253.21	6,543.3	-64.4	-210.9	-42.4	0.08	0.04	1.48
6,575.0	2.52	253.25	6,568.3	-64.8	-212.0	-42.6	0.08	-0.08	0.16
6,600.0	2.47	253.45	6,593.3	-65.1	-213.0	-42.8	0.20	-0.20	0.80
6,625.0	2.36	254.24	6,618.3	-65.4	-214.0	-43.0	0.46	-0.44	3.16
6,650.0	2.45	253.35	6,643.2	-65.7	-215.1	-43.2	0.39	0.36	-3.56
6,675.0	2.45	254.17	6,668.2	-65.9	-216.1	-43.4	0.14	0.00	3.28
6,700.0	2.39	253.97	6,693.2	-66.2	-217.1	-43.6	0.24	-0.24	-0.80
6,725.0	2.43	253.50	6,718.2	-66.5	-218.1	-43.8	0.18	0.16	-1.88
6,750.0	2.33	253.52	6,743.2	-66.8	-219.1	-44.0	0.40	-0.40	0.08
6,775.0	2.33	253.94	6,768.1	-67.1	-220.1	-44.1	0.07	0.00	1.68
6,800.0	2.45	255.18	6,793.1	-67.4	-221.1	-44.3	0.52	0.48	4.96



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6,825.0	2.32	255.83	6,818.1	-67.7	-222.1	-44.5	0.53	-0.52	2.60
6,850.0	2.31	254.79	6,843.1	-67.9	-223.1	-44.6	0.17	-0.04	-4.16
6,875.0	2.34	254.74	6,868.1	-68.2	-224.0	-44.8	0.12	-0.12	-0.20
6,900.0	2.33	254.89	6,893.0	-68.4	-225.0	-45.0	0.05	-0.04	0.60
6,925.0	2.29	252.50	6,918.0	-68.7	-226.0	-45.1	0.42	-0.16	-9.56
6,950.0	2.33	254.92	6,943.0	-69.0	-227.0	-45.3	0.42	0.16	9.68
6,975.0	2.27	253.89	6,968.0	-69.3	-227.9	-45.5	0.29	-0.24	-4.12
7,000.0	2.22	254.48	6,993.0	-69.5	-228.9	-45.7	0.22	-0.20	2.36
7,025.0	2.26	256.63	7,017.9	-69.8	-229.8	-45.8	0.37	0.16	8.60
7,050.0	2.24	256.30	7,042.9	-70.0	-230.8	-45.9	0.10	-0.08	-1.32
7,075.0	2.28	254.34	7,067.9	-70.3	-231.7	-46.1	0.35	0.16	-7.84
7,100.0	2.15	254.89	7,092.9	-70.5	-232.7	-46.2	0.53	-0.52	2.20
7,125.0	2.20	256.00	7,117.9	-70.8	-233.6	-46.4	0.26	0.20	4.44
7,150.0	2.16	254.64	7,142.8	-71.0	-234.5	-46.5	0.26	-0.16	-5.44
7,175.0	2.23	258.84	7,167.8	-71.2	-235.4	-46.7	0.70	0.28	16.80
7,200.0	2.66	271.72	7,192.8	-71.3	-236.5	-46.6	2.78	1.72	51.52
7,225.0	2.92	274.42	7,217.8	-71.2	-237.7	-46.4	1.17	1.04	10.80
7,250.0	2.92	274.63	7,242.7	-71.1	-239.0	-46.2	0.04	0.00	0.84
7,275.0	3.07	275.30	7,267.7	-71.0	-240.3	-46.0	0.62	0.60	2.68
7,300.0	2.89	276.32	7,292.7	-70.9	-241.6	-45.7	0.75	-0.72	4.08
7,325.0	2.96	276.00	7,317.6	-70.7	-242.8	-45.4	0.29	0.28	-1.28
7,350.0	2.95	274.95	7,342.6	-70.6	-244.1	-45.2	0.22	-0.04	-4.20
7,375.0	2.94	274.48	7,367.6	-70.5	-245.4	-44.9	0.10	-0.04	-1.88
7,400.0	2.97	275.22	7,392.5	-70.4	-246.7	-44.7	0.19	0.12	2.96
7,425.0	2.94	274.65	7,417.5	-70.3	-248.0	-44.5	0.17	-0.12	-2.28
7,450.0	2.81	273.84	7,442.5	-70.2	-249.2	-44.2	0.54	-0.52	-3.24
7,475.0	3.00	272.08	7,467.4	-70.1	-250.5	-44.0	0.84	0.76	-7.04
7,500.0	2.78	272.42	7,492.4	-70.1	-251.7	-43.9	0.88	-0.88	1.36
7,525.0	2.84	271.76	7,517.4	-70.0	-253.0	-43.7	0.27	0.24	-2.64
7,550.0	2.69	270.26	7,542.3	-70.0	-254.2	-43.5	0.67	-0.60	-6.00
7,575.0	2.76	271.01	7,567.3	-70.0	-255.4	-43.4	0.31	0.28	3.00
7,600.0	2.67	270.37	7,592.3	-70.0	-256.5	-43.3	0.38	-0.36	-2.56
7,625.0	2.65	268.58	7,617.3	-70.0	-257.7	-43.2	0.34	-0.08	-7.16
7,650.0	2.75	271.01	7,642.2	-70.0	-258.9	-43.0	0.61	0.40	9.72
7,675.0	2.65	268.92	7,667.2	-70.0	-260.1	-42.9	0.56	-0.40	-8.36
7,700.0	2.66	268.87	7,692.2	-70.0	-261.2	-42.8	0.04	0.04	-0.20
7,725.0	2.64	270.55	7,717.2	-70.0	-262.4	-42.7	0.32	-0.08	6.72
7,750.0	3.00	269.45	7,742.1	-70.0	-263.6	-42.6	1.46	1.44	-4.40
7,775.0	3.31	269.22	7,767.1	-70.1	-265.0	-42.5	1.24	1.24	-0.92
7,800.0	3.48	269.10	7,792.0	-70.1	-266.5	-42.3	0.68	0.68	-0.48
7,825.0	3.67	267.05	7,817.0	-70.1	-268.0	-42.2	0.92	0.76	-8.20
7,850.0	4.01	264.93	7,841.9	-70.3	-269.7	-42.2	1.47	1.36	-8.48
7,875.0	4.24	263.42	7,866.9	-70.4	-271.5	-42.2	1.02	0.92	-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 #604H
Wellbore: OWB
Design: AWB

Local Co-ordinate Reference: Well Dominator 25 Federal Com #604H
TVD Reference: KB @ 3362.2usft (Latshaw 44)
MD Reference: KB @ 3362.2usft (Latshaw 44)
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	4.30	263.06	7,891.8	-70.7	-273.3	-42.2	0.26	0.24	-1.44
7,925.0	4.29	263.69	7,916.7	-70.9	-275.2	-42.2	0.19	-0.04	2.52
7,950.0	4.19	263.20	7,941.7	-71.1	-277.0	-42.2	0.43	-0.40	-1.96
7,975.0	4.27	263.21	7,966.6	-71.3	-278.8	-42.3	0.32	0.32	0.04
8,000.0	4.30	263.03	7,991.5	-71.5	-280.7	-42.3	0.13	0.12	-0.72
8,025.0	4.31	262.12	8,016.5	-71.8	-282.6	-42.4	0.28	0.04	-3.64
8,050.0	4.58	260.88	8,041.4	-72.1	-284.5	-42.4	1.15	1.08	-4.96
8,075.0	4.74	258.24	8,066.3	-72.4	-286.5	-42.6	1.07	0.64	-10.56
8,100.0	4.73	258.57	8,091.2	-72.8	-288.5	-42.8	0.12	-0.04	1.32
8,125.0	4.75	257.52	8,116.1	-73.3	-290.5	-43.0	0.36	0.08	-4.20
8,150.0	4.77	256.52	8,141.0	-73.7	-292.5	-43.3	0.34	0.08	-4.00
8,175.0	4.66	257.22	8,166.0	-74.2	-294.5	-43.5	0.50	-0.44	2.80
8,200.0	4.54	256.30	8,190.9	-74.7	-296.5	-43.8	0.56	-0.48	-3.68
8,225.0	4.41	255.37	8,215.8	-75.1	-298.4	-44.1	0.60	-0.52	-3.72
8,250.0	4.36	255.11	8,240.7	-75.6	-300.2	-44.4	0.22	-0.20	-1.04
8,275.0	4.42	256.23	8,265.7	-76.1	-302.1	-44.7	0.42	0.24	4.48
8,300.0	4.40	255.31	8,290.6	-76.6	-303.9	-44.9	0.29	-0.08	-3.68
8,325.0	4.26	255.34	8,315.5	-77.0	-305.8	-45.2	0.56	-0.56	0.12
8,350.0	4.35	254.84	8,340.4	-77.5	-307.6	-45.5	0.39	0.36	-2.00
8,375.0	4.25	253.91	8,365.4	-78.0	-309.4	-45.8	0.49	-0.40	-3.72
8,400.0	3.96	252.37	8,390.3	-78.5	-311.1	-46.2	1.24	-1.16	-6.16
8,425.0	3.79	248.33	8,415.2	-79.1	-312.7	-46.6	1.29	-0.68	-16.16
8,450.0	3.66	245.78	8,440.2	-79.7	-314.2	-47.0	0.84	-0.52	-10.20
8,475.0	3.62	245.33	8,465.1	-80.4	-315.6	-47.6	0.20	-0.16	-1.80
8,500.0	3.56	245.57	8,490.1	-81.1	-317.1	-48.1	0.25	-0.24	0.96
8,525.0	3.48	245.79	8,515.0	-81.7	-318.5	-48.5	0.32	-0.32	0.88
8,550.0	3.44	245.15	8,540.0	-82.3	-319.8	-49.0	0.22	-0.16	-2.56
8,575.0	3.40	246.33	8,565.0	-82.9	-321.2	-49.5	0.32	-0.16	4.72
8,600.0	3.44	245.51	8,589.9	-83.5	-322.6	-50.0	0.25	0.16	-3.28
8,625.0	3.33	246.11	8,614.9	-84.1	-323.9	-50.4	0.46	-0.44	2.40
8,650.0	3.30	246.72	8,639.8	-84.7	-325.2	-50.9	0.19	-0.12	2.44
8,675.0	3.27	246.19	8,664.8	-85.3	-326.5	-51.3	0.17	-0.12	-2.12
8,700.0	3.17	246.08	8,689.7	-85.9	-327.8	-51.7	0.40	-0.40	-0.44
8,725.0	3.09	245.58	8,714.7	-86.4	-329.1	-52.2	0.34	-0.32	-2.00
8,750.0	3.04	244.72	8,739.7	-87.0	-330.3	-52.6	0.27	-0.20	-3.44
8,775.0	2.99	244.52	8,764.6	-87.5	-331.5	-53.0	0.20	-0.20	-0.80
8,800.0	2.93	244.61	8,789.6	-88.1	-332.6	-53.5	0.24	-0.24	0.36
8,825.0	2.91	244.24	8,814.6	-88.6	-333.8	-53.9	0.11	-0.08	-1.48
8,850.0	2.81	245.53	8,839.5	-89.2	-334.9	-54.3	0.48	-0.40	5.16
8,875.0	2.76	245.24	8,864.5	-89.7	-336.0	-54.7	0.21	-0.20	-1.16
8,900.0	2.70	244.68	8,889.5	-90.2	-337.1	-55.1	0.26	-0.24	-2.24
8,925.0	2.66	242.07	8,914.5	-90.7	-338.1	-55.5	0.51	-0.16	-10.44
8,950.0	2.62	243.83	8,939.4	-91.2	-339.2	-55.9	0.36	-0.16	7.04



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 #604H
Wellbore: OWB
Design: AWB

Local Co-ordinate Reference: Well Dominator 25 Federal Com #604H
TVD Reference: KB @ 3362.2usft (Latshaw 44)
MD Reference: KB @ 3362.2usft (Latshaw 44)
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	2.55	245.47	8,964.4	-91.7	-340.2	-56.3	0.41	-0.28	6.56
9,000.0	2.55	248.12	8,989.4	-92.2	-341.2	-56.6	0.47	0.00	10.60
9,025.0	2.40	244.62	9,014.4	-92.6	-342.2	-56.9	0.85	-0.60	-14.00
9,050.0	2.35	248.43	9,039.3	-93.0	-343.1	-57.3	0.66	-0.20	15.24
9,075.0	2.22	245.82	9,064.3	-93.4	-344.1	-57.5	0.67	-0.52	-10.44
9,100.0	2.21	246.18	9,089.3	-93.8	-344.9	-57.8	0.07	-0.04	1.44
9,125.0	2.12	244.88	9,114.3	-94.2	-345.8	-58.1	0.41	-0.36	-5.20
9,150.0	2.13	246.75	9,139.3	-94.6	-346.6	-58.4	0.28	0.04	7.48
9,175.0	2.10	244.51	9,164.2	-94.9	-347.5	-58.7	0.35	-0.12	-8.96
9,200.0	2.02	244.02	9,189.2	-95.3	-348.3	-59.0	0.33	-0.32	-1.96
9,225.0	1.96	244.89	9,214.2	-95.7	-349.1	-59.3	0.27	-0.24	3.48
9,250.0	1.88	242.64	9,239.2	-96.1	-349.8	-59.6	0.44	-0.32	-9.00
9,275.0	1.83	243.28	9,264.2	-96.4	-350.6	-59.9	0.22	-0.20	2.56
9,300.0	1.67	244.44	9,289.2	-96.8	-351.2	-60.2	0.66	-0.64	4.64
9,325.0	1.75	245.46	9,314.2	-97.1	-351.9	-60.4	0.34	0.32	4.08
9,350.0	1.68	247.57	9,339.2	-97.4	-352.6	-60.6	0.38	-0.28	8.44
9,375.0	1.67	247.85	9,364.1	-97.7	-353.3	-60.8	0.05	-0.04	1.12
9,400.0	1.56	245.49	9,389.1	-97.9	-353.9	-61.1	0.51	-0.44	-9.44
9,425.0	1.50	247.12	9,414.1	-98.2	-354.5	-61.3	0.30	-0.24	6.52
9,450.0	1.43	250.33	9,439.1	-98.4	-355.1	-61.4	0.43	-0.28	12.84
9,475.0	1.34	251.47	9,464.1	-98.6	-355.7	-61.6	0.38	-0.36	4.56
9,500.0	1.17	254.13	9,489.1	-98.8	-356.2	-61.7	0.72	-0.68	10.64
9,525.0	1.22	256.03	9,514.1	-98.9	-356.7	-61.8	0.26	0.20	7.60
9,550.0	1.23	259.29	9,539.1	-99.0	-357.3	-61.8	0.28	0.04	13.04
9,575.0	1.08	263.32	9,564.1	-99.1	-357.7	-61.8	0.68	-0.60	16.12
9,600.0	0.89	266.23	9,589.1	-99.2	-358.2	-61.8	0.79	-0.76	11.64
9,625.0	0.92	272.22	9,614.1	-99.2	-358.6	-61.8	0.40	0.12	23.96
9,650.0	0.88	270.19	9,639.1	-99.2	-359.0	-61.8	0.20	-0.16	-8.12
9,675.0	0.85	269.54	9,664.1	-99.2	-359.3	-61.7	0.13	-0.12	-2.60
9,700.0	0.86	273.01	9,689.1	-99.2	-359.7	-61.7	0.21	0.04	13.88
9,725.0	0.99	272.41	9,714.1	-99.1	-360.1	-61.6	0.52	0.52	-2.40
9,750.0	1.96	267.87	9,739.1	-99.1	-360.8	-61.6	3.91	3.88	-18.16
9,775.0	2.71	263.40	9,764.0	-99.2	-361.8	-61.5	3.08	3.00	-17.88
9,800.0	2.82	264.02	9,789.0	-99.4	-363.0	-61.5	0.46	0.44	2.48
9,825.0	2.80	264.07	9,814.0	-99.5	-364.2	-61.5	0.08	-0.08	0.20
9,850.0	2.87	263.50	9,838.9	-99.6	-365.4	-61.6	0.30	0.28	-2.28
9,875.0	2.78	263.11	9,863.9	-99.8	-366.6	-61.6	0.37	-0.36	-1.56
9,900.0	2.70	261.29	9,888.9	-99.9	-367.8	-61.6	0.47	-0.32	-7.28
9,925.0	2.60	261.17	9,913.9	-100.1	-369.0	-61.7	0.40	-0.40	-0.48
9,950.0	2.53	260.13	9,938.8	-100.3	-370.1	-61.7	0.34	-0.28	-4.16
9,975.0	2.45	257.35	9,963.8	-100.5	-371.1	-61.8	0.58	-0.32	-11.12
10,000.0	2.32	258.14	9,988.8	-100.7	-372.2	-61.9	0.54	-0.52	3.16
10,025.0	2.37	259.10	10,013.8	-100.9	-373.2	-62.0	0.25	0.20	3.84
10,050.0	2.25	258.84	10,038.7	-101.1	-374.1	-62.1	0.48	-0.48	-1.04



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 #604H
Wellbore: OWB
Design: AWB

Local Co-ordinate Reference: Well Dominator 25 Federal Com #604H
TVD Reference: KB @ 3362.2usft (Latshaw 44)
MD Reference: KB @ 3362.2usft (Latshaw 44)
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	2.30	257.69	10,063.7	-101.3	-375.1	-62.2	0.27	0.20	-4.60
10,100.0	2.27	258.24	10,088.7	-101.5	-376.1	-62.3	0.15	-0.12	2.20
10,125.0	2.31	258.67	10,113.7	-101.7	-377.1	-62.4	0.17	0.16	1.72
10,150.0	2.39	259.73	10,138.7	-101.9	-378.1	-62.5	0.36	0.32	4.24
10,175.0	2.37	258.78	10,163.6	-102.1	-379.1	-62.6	0.18	-0.08	-3.80
10,200.0	2.30	255.95	10,188.6	-102.3	-380.1	-62.7	0.54	-0.28	-11.32
10,225.0	2.37	254.34	10,213.6	-102.6	-381.1	-62.9	0.38	0.28	-6.44
10,250.0	2.42	250.94	10,238.6	-102.9	-382.1	-63.1	0.60	0.20	-13.60
10,275.0	2.45	249.28	10,263.6	-103.3	-383.1	-63.4	0.31	0.12	-6.64
10,300.0	2.50	248.06	10,288.5	-103.7	-384.1	-63.6	0.29	0.20	-4.88
10,325.0	2.45	248.99	10,313.5	-104.1	-385.1	-63.9	0.26	-0.20	3.72
10,350.0	2.50	247.89	10,338.5	-104.4	-386.1	-64.2	0.28	0.20	-4.40
10,375.0	2.46	248.93	10,363.5	-104.8	-387.1	-64.5	0.24	-0.16	4.16
10,400.0	2.44	247.81	10,388.4	-105.2	-388.1	-64.8	0.21	-0.08	-4.48
10,425.0	2.46	248.04	10,413.4	-105.6	-389.1	-65.1	0.09	0.08	0.92
10,450.0	2.45	249.51	10,438.4	-106.0	-390.1	-65.4	0.26	-0.04	5.88
10,475.0	2.49	249.25	10,463.4	-106.4	-391.1	-65.7	0.17	0.16	-1.04
10,500.0	2.46	250.04	10,488.4	-106.8	-392.1	-65.9	0.18	-0.12	3.16
10,525.0	2.53	249.96	10,513.3	-107.2	-393.1	-66.2	0.28	0.28	-0.32
10,550.0	2.66	254.07	10,538.3	-107.5	-394.2	-66.4	0.91	0.52	16.44
10,575.0	2.67	255.63	10,563.3	-107.8	-395.3	-66.6	0.29	0.04	6.24
10,600.0	2.69	256.27	10,588.2	-108.1	-396.5	-66.8	0.14	0.08	2.56
10,625.0	2.71	256.45	10,613.2	-108.4	-397.6	-66.9	0.09	0.08	0.72
10,650.0	2.81	258.96	10,638.2	-108.6	-398.8	-67.1	0.63	0.40	10.04
10,675.0	2.93	259.40	10,663.2	-108.9	-400.0	-67.2	0.49	0.48	1.76
10,700.0	3.03	261.50	10,688.1	-109.1	-401.3	-67.3	0.59	0.40	8.40
10,725.0	3.05	261.93	10,713.1	-109.3	-402.6	-67.3	0.12	0.08	1.72
10,750.0	2.76	262.95	10,738.1	-109.4	-403.8	-67.4	1.18	-1.16	4.08
10,775.0	3.16	265.57	10,763.0	-109.6	-405.1	-67.4	1.69	1.60	10.48
10,800.0	3.32	266.05	10,788.0	-109.7	-406.5	-67.3	0.65	0.64	1.92
10,825.0	3.37	267.95	10,812.9	-109.7	-408.0	-67.2	0.49	0.20	7.60
10,850.0	3.36	270.74	10,837.9	-109.8	-409.5	-67.1	0.66	-0.04	11.16
10,875.0	3.42	271.23	10,862.9	-109.7	-410.9	-66.9	0.27	0.24	1.96
10,900.0	3.45	272.12	10,887.8	-109.7	-412.4	-66.7	0.24	0.12	3.56
10,925.0	3.25	273.15	10,912.8	-109.6	-413.9	-66.5	0.84	-0.80	4.12
10,950.0	3.21	273.81	10,937.7	-109.5	-415.3	-66.3	0.22	-0.16	2.64
10,975.0	3.11	273.63	10,962.7	-109.4	-416.7	-66.1	0.40	-0.40	-0.72
11,000.0	2.98	274.77	10,987.7	-109.3	-418.0	-65.8	0.57	-0.52	4.56
11,025.0	2.99	275.37	11,012.6	-109.2	-419.3	-65.6	0.13	0.04	2.40
11,050.0	3.02	275.75	11,037.6	-109.1	-420.6	-65.3	0.14	0.12	1.52
11,075.0	3.01	276.24	11,062.6	-109.0	-421.9	-65.0	0.11	-0.04	1.96
11,100.0	3.09	276.77	11,087.5	-108.8	-423.2	-64.8	0.34	0.32	2.12
11,125.0	3.11	276.97	11,112.5	-108.7	-424.6	-64.5	0.09	0.08	0.80



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 #604H
Wellbore: OWB
Design: AWB

Local Co-ordinate Reference: Well Dominator 25 Federal Com #604H
TVD Reference: KB @ 3362.2usft (Latshaw 44)
MD Reference: KB @ 3362.2usft (Latshaw 44)
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	2.99	276.24	11,137.4	-108.5	-425.9	-64.2	0.50	-0.48	-2.92
11,175.0	2.61	281.30	11,162.4	-108.3	-427.1	-63.9	1.81	-1.52	20.24
11,200.0	2.18	284.93	11,187.4	-108.1	-428.1	-63.5	1.82	-1.72	14.52
11,225.0	2.02	289.46	11,212.4	-107.8	-429.0	-63.2	0.92	-0.64	18.12
11,250.0	1.99	289.23	11,237.4	-107.5	-429.8	-62.8	0.12	-0.12	-0.92
11,275.0	1.73	289.14	11,262.3	-107.3	-430.6	-62.5	1.04	-1.04	-0.36
11,300.0	1.23	278.59	11,287.3	-107.1	-431.2	-62.2	2.27	-2.00	-42.20
11,325.0	1.02	270.36	11,312.3	-107.1	-431.7	-62.1	1.06	-0.84	-32.92
11,350.0	1.11	268.39	11,337.3	-107.1	-432.2	-62.1	0.39	0.36	-7.88
11,375.0	1.03	271.91	11,362.3	-107.1	-432.6	-62.0	0.41	-0.32	14.08
11,400.0	1.19	272.27	11,387.3	-107.0	-433.1	-62.0	0.64	0.64	1.44
11,425.0	1.18	280.78	11,412.3	-107.0	-433.6	-61.9	0.70	-0.04	34.04
11,450.0	1.22	283.64	11,437.3	-106.9	-434.1	-61.7	0.29	0.16	11.44
11,475.0	1.25	286.43	11,462.3	-106.7	-434.7	-61.5	0.27	0.12	11.16
11,500.0	1.29	290.05	11,487.3	-106.6	-435.2	-61.3	0.36	0.16	14.48
11,525.0	1.32	289.19	11,512.3	-106.4	-435.7	-61.0	0.14	0.12	-3.44
11,550.0	1.40	290.55	11,537.3	-106.2	-436.3	-60.8	0.35	0.32	5.44
11,575.0	1.41	291.77	11,562.3	-105.9	-436.9	-60.5	0.13	0.04	4.88
11,600.0	1.52	292.04	11,587.3	-105.7	-437.4	-60.2	0.44	0.44	1.08
11,625.0	1.50	294.04	11,612.3	-105.5	-438.1	-59.9	0.23	-0.08	8.00
11,650.0	1.72	288.00	11,637.3	-105.2	-438.7	-59.6	1.11	0.88	-24.16
11,658.0	1.80	286.39	11,645.2	-105.1	-438.9	-59.5	1.18	1.00	-20.13
11,851.0	1.78	282.26	11,838.2	-103.6	-444.8	-57.4	0.07	-0.01	-2.14
11,898.0	1.67	279.88	11,885.1	-103.4	-446.2	-57.0	0.28	-0.23	-5.06
11,992.0	1.86	278.72	11,979.1	-102.9	-449.0	-56.2	0.21	0.20	-1.23
12,086.0	2.02	271.98	12,073.0	-102.6	-452.2	-55.6	0.30	0.17	-7.17
12,133.0	6.23	341.18	12,119.9	-100.2	-453.8	-53.0	12.40	8.96	147.23
12,181.0	13.48	358.76	12,167.2	-92.1	-454.8	-44.9	16.18	15.10	36.63
12,228.0	18.58	1.39	12,212.3	-79.1	-454.7	-32.0	10.96	10.85	5.60
12,276.0	23.53	2.59	12,257.1	-61.9	-454.1	-14.9	10.35	10.31	2.50
12,323.0	31.18	4.66	12,298.8	-40.4	-452.7	6.4	16.40	16.28	4.40
12,371.0	34.50	11.56	12,339.2	-14.6	-449.0	31.6	10.41	6.92	14.38
12,418.0	37.92	8.83	12,377.1	12.7	-444.1	58.2	8.04	7.28	-5.81
12,467.0	41.14	5.51	12,414.9	43.6	-440.2	88.6	7.86	6.57	-6.78
12,470.8	41.43	4.85	12,417.8	46.1	-440.0	91.1	13.81	7.65	-17.42
FTP @ 12470.8'MD, 330'FSL & 438'FEL									
12,514.0	44.98	357.84	12,449.3	75.6	-439.4	120.4	13.81	8.22	-16.22
12,561.0	49.09	356.94	12,481.3	110.0	-440.9	154.7	8.86	8.74	-1.91
12,608.0	52.93	356.15	12,510.8	146.4	-443.1	191.2	8.27	8.17	-1.68
12,654.0	60.20	357.21	12,536.2	184.7	-445.4	229.5	15.92	15.80	2.30
12,701.0	68.93	358.06	12,556.3	227.1	-447.1	271.8	18.65	18.57	1.81
12,750.0	74.04	358.31	12,571.9	273.5	-448.6	318.2	10.44	10.43	0.51
12,797.0	79.23	358.85	12,582.8	319.2	-449.7	363.7	11.10	11.04	1.15



Intrepid Survey Report



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Well: Dominator 25 Federal Com #604H
Wellbore: OWB
Design: AWB

Local Co-ordinate Reference: Well Dominator 25 Federal Com #604H
TVD Reference: KB @ 3362.2usft (Latshaw 44)
MD Reference: KB @ 3362.2usft (Latshaw 44)
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)
12,845.0	84.27	358.96	12,589.6	366.7	-450.6	411.1	10.50	10.50	0.23
12,878.0	87.00	357.37	12,592.2	399.6	-451.7	443.9	9.57	8.27	-4.82
12,973.0	90.38	355.42	12,594.3	494.4	-457.6	538.8	4.11	3.56	-2.05
13,068.0	91.92	354.71	12,592.4	589.0	-465.8	633.7	1.78	1.62	-0.75
13,163.0	92.99	358.96	12,588.3	683.7	-471.0	728.5	4.61	1.13	4.47
13,258.0	88.99	3.78	12,586.7	778.6	-468.8	822.7	6.59	-4.21	5.07
13,353.0	87.02	3.78	12,590.0	873.4	-462.5	916.3	2.07	-2.07	0.00
13,448.0	86.48	2.03	12,595.4	968.1	-457.7	1,010.0	1.92	-0.57	-1.84
13,543.0	89.64	1.10	12,598.6	1,063.0	-455.1	1,104.1	3.47	3.33	-0.98
13,638.0	88.54	359.70	12,600.1	1,158.0	-454.4	1,198.5	1.87	-1.16	-1.47
13,732.0	88.52	356.55	12,602.5	1,251.9	-457.5	1,292.3	3.35	-0.02	-3.35
13,827.0	88.71	355.31	12,604.8	1,346.6	-464.3	1,387.2	1.32	0.20	-1.31
13,922.0	91.97	355.09	12,604.3	1,441.3	-472.2	1,482.1	3.44	3.43	-0.23
14,017.0	94.41	359.04	12,599.0	1,536.0	-477.1	1,576.8	4.88	2.57	4.16
14,112.0	92.80	0.91	12,593.0	1,630.8	-477.1	1,671.2	2.59	-1.69	1.97
14,213.0	88.22	0.18	12,592.1	1,731.7	-476.1	1,771.5	4.59	-4.53	-0.72
14,307.0	90.11	1.13	12,593.5	1,825.7	-475.1	1,864.9	2.25	2.01	1.01
14,402.0	91.51	353.28	12,592.1	1,920.5	-479.7	1,959.6	8.39	1.47	-8.26
14,497.0	90.64	348.11	12,590.3	2,014.2	-495.0	2,054.4	5.52	-0.92	-5.44
14,592.0	91.27	3.17	12,588.8	2,108.6	-502.3	2,149.1	15.86	0.66	15.85
14,687.0	88.96	7.32	12,588.6	2,203.2	-493.6	2,242.3	5.00	-2.43	4.37
14,782.0	91.57	6.31	12,588.1	2,297.5	-482.3	2,334.9	2.95	2.75	-1.06
14,877.0	90.72	3.32	12,586.2	2,392.2	-474.3	2,428.3	3.27	-0.89	-3.15
14,972.0	90.06	359.47	12,585.6	2,487.1	-472.0	2,522.5	4.11	-0.69	-4.05
15,067.0	91.05	1.70	12,584.7	2,582.1	-471.0	2,616.8	2.57	1.04	2.35
15,161.0	87.49	357.90	12,585.9	2,676.1	-471.4	2,710.3	5.54	-3.79	-4.04
15,256.0	87.60	357.30	12,589.9	2,770.9	-475.3	2,805.1	0.64	0.12	-0.63
15,350.0	91.73	359.16	12,590.5	2,864.8	-478.2	2,898.8	4.82	4.39	1.98
15,445.0	91.66	359.10	12,587.7	2,959.8	-479.7	2,993.4	0.10	-0.07	-0.06
15,539.0	90.38	357.88	12,586.0	3,053.7	-482.2	3,087.1	1.88	-1.36	-1.30
15,634.0	86.97	354.80	12,588.2	3,148.5	-488.2	3,182.0	4.84	-3.59	-3.24
15,729.0	90.92	357.66	12,589.9	3,243.2	-494.5	3,276.9	5.13	4.16	3.01
15,823.0	89.40	357.97	12,589.7	3,337.2	-498.1	3,370.7	1.65	-1.62	0.33
15,918.0	92.19	358.17	12,588.4	3,432.1	-501.3	3,465.4	2.94	2.94	0.21
16,012.0	94.47	358.81	12,582.9	3,525.9	-503.7	3,559.0	2.52	2.43	0.68
16,108.0	92.09	358.06	12,577.4	3,621.7	-506.3	3,654.5	2.60	-2.48	-0.78
16,203.0	90.62	0.31	12,575.2	3,716.6	-507.7	3,749.1	2.83	-1.55	2.37
16,298.0	90.20	3.65	12,574.5	3,811.6	-504.4	3,843.2	3.54	-0.44	3.52
16,393.0	89.26	0.85	12,574.9	3,906.5	-500.7	3,937.3	3.11	-0.99	-2.95
16,488.0	89.50	5.94	12,576.0	4,001.3	-495.1	4,031.0	5.36	0.25	5.36
16,583.0	90.16	6.79	12,576.2	4,095.7	-484.5	4,123.8	1.13	0.69	0.89
16,677.0	91.04	5.10	12,575.3	4,189.2	-474.8	4,215.8	2.03	0.94	-1.80
16,771.0	90.44	1.20	12,574.0	4,283.0	-469.6	4,308.6	4.20	-0.64	-4.15
16,867.0	91.48	359.56	12,572.4	4,379.0	-469.0	4,404.0	2.02	1.08	-1.71



Intrepid Survey Report



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Project: Lea County, NM (NAD 27 NME)
Site: (Dominator) Sec-25_T-25-S_R-33-E
Well: Dominator 25 Federal Com #604H
Wellbore: OWB
Design: AWB

Local Co-ordinate Reference: Well Dominator 25 Federal Com #604H
TVD Reference: KB @ 3362.2usft (Latshaw 44)
MD Reference: KB @ 3362.2usft (Latshaw 44)
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)
16,962.0	87.62	355.95	12,573.2	4,473.9	-472.7	4,498.8	5.56	-4.06	-3.80
17,057.0	94.36	359.37	12,571.5	4,568.7	-476.6	4,593.5	7.95	7.09	3.60
17,150.9	85.97	359.27	12,571.3	4,662.5	-477.7	4,686.9	8.94	-8.94	-0.11
LTP @ 17150.9'MD, 330'FNL & 442'FEL									
17,152.0	85.87	359.27	12,571.3	4,663.6	-477.7	4,688.0	8.94	-8.94	-0.11
17,216.0	85.26	358.83	12,576.3	4,727.4	-478.8	4,751.6	1.17	-0.95	-0.69
LAST SVY									
17,281.0	85.26	358.83	12,581.7	4,792.2	-480.1	4,816.2	0.00	0.00	0.00
Projection to TD @ 17281'MD, 200.3'FNL & 443.6'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									
PBHL (Dominator 25 I	0.00	0.01	12,580.0	4,792.4	-495.0	403,989.11	750,968.71	32° 6' 29.118 N	103° 31' 22.089 W
- actual wellpath misses target center by 15.0usft at 17281.0usft MD (12581.7 TVD, 4792.2 N, -480.1 E)									
- Point									
LTP (Dominator 25 Fe	-0.19	359.56	12,580.4	4,662.4	-494.0	403,859.08	750,969.71	32° 6' 27.831 N	103° 31' 22.089 W
- actual wellpath misses target center by 18.7usft at 17151.6usft MD (12571.3 TVD, 4663.2 N, -477.7 E)									
- Rectangle (sides W60.0 H4,616.6 D30.0)									
FTP (Dominator 25 Fe	0.00	0.00	12,595.0	45.9	-458.5	399,242.65	751,005.16	32° 5' 42.147 N	103° 31' 22.080 W
- actual wellpath misses target center by 129.3usft at 12583.7usft MD (12495.9 TVD, 127.3 N, -441.9 E)									
- Point									

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
1,159.1	1,159.0	Rustler			
1,560.1	1,560.0	TOS			
5,125.0	5,120.0	BOS (Fletcher)			
5,243.2	5,238.0	LMAR (Top Delaware)			
5,285.3	5,280.0	BLCN			
6,285.4	6,279.0	CYCN			
7,867.1	7,859.0	BYCN			
9,335.8	9,325.0	Bone Sprg (BSGL)			
9,409.9	9,399.0	U Avalon Sh			
10,021.2	10,010.0	L Avalon Sh			
10,171.3	10,160.0	B Avalon Sh			
10,368.5	10,357.0	FBSG_sand			
10,887.2	10,875.0	SBSG_sand			
11,407.7	11,395.0	SBSG_sand_Base			
12,011.9	11,999.0	TBSG_sand			
12,433.2	12,389.0	WFMP			



Intrepid
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MD Reference: KB @ 3362.2usft (Latshaw 44)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.15 Single User Db

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
12,470.8	12,417.8	46.1	-440.0	FTP @ 12470.8'MD, 330'FSL & 438'FEL
17,150.9	12,571.3	4,662.5	-477.7	LTP @ 17150.9'MD, 330'FNL & 442'FEL
17,216.0	12,576.3	4,727.4	-478.8	LAST SVY
17,281.0	12,581.7	4,792.2	-480.1	Projection to TD @ 17281'MD, 200.3'FNL & 443.6'FEL

Checked By: _____ Approved By: _____ Date: _____