



CONCHO

HOBBS OCD

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Concho Resources, Inc.

**Lea County, NM (NAD 27 NME)
(Dominator) Sec-25_T-25-S_R-33-E
Dominator 25 Federal Com #704H
API# 30-025-44715
OWB**

Design: AWB

Standard Survey Report

30 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 #704H
Wellbore: OWB
Design: AWB

Local Co-ordinate Reference: Well Dominator 25 Federal Com #704H
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)
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 #704H

Well Position **+N/-S** 0.0 usft **Northing:** 399,196.50 usft **Latitude:** 32° 5' 41.658 N
+E/-W 0.0 usft **Easting:** 751,433.70 usft **Longitude:** 103° 31' 17.103 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)
	User Defined	05/29/18	6.80	59.80	47,769.94097098

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	355.65

Survey Program Date 09/30/18

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
100.0	11,750.0	SDI Gyro (OWB)	Standard Keeper 104	Standard Wireline Keeper ver 1.0.4
11,897.0	17,359.0	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	0.52	173.70	100.0	-0.5	0.0	-0.5	0.52	0.52	0.00
125.0	0.67	172.60	125.0	-0.7	0.1	-0.7	0.60	0.60	-4.40
150.0	0.59	170.79	150.0	-1.0	0.1	-1.0	0.33	-0.32	-7.24
175.0	0.65	170.29	175.0	-1.2	0.2	-1.3	0.24	0.24	-2.00
200.0	0.70	163.02	200.0	-1.5	0.2	-1.5	0.40	0.20	-29.08
225.0	0.69	170.18	225.0	-1.8	0.3	-1.8	0.35	-0.04	28.64
250.0	0.59	167.86	250.0	-2.1	0.4	-2.1	0.41	-0.40	-9.28
275.0	0.77	170.67	275.0	-2.4	0.4	-2.4	0.73	0.72	11.24
300.0	0.77	164.85	300.0	-2.7	0.5	-2.8	0.31	0.00	-23.28



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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	0.59	170.71	325.0	-3.0	0.5	-3.0	0.77	-0.72	23.44
350.0	0.60	169.64	350.0	-3.3	0.6	-3.3	0.06	0.04	-4.28
375.0	0.71	164.21	375.0	-3.5	0.7	-3.6	0.50	0.44	-21.72
400.0	0.68	170.34	400.0	-3.8	0.7	-3.9	0.32	-0.12	24.52
425.0	0.58	171.73	425.0	-4.1	0.8	-4.2	0.40	-0.40	5.56
450.0	0.66	168.80	450.0	-4.4	0.8	-4.4	0.34	0.32	-11.72
475.0	0.62	169.61	475.0	-4.7	0.9	-4.7	0.16	-0.16	3.24
500.0	0.65	169.73	500.0	-4.9	0.9	-5.0	0.12	0.12	0.48
525.0	0.57	166.79	525.0	-5.2	1.0	-5.2	0.34	-0.32	-11.76
550.0	0.43	169.85	550.0	-5.4	1.0	-5.5	0.57	-0.56	12.24
575.0	0.36	178.17	575.0	-5.6	1.0	-5.6	0.36	-0.28	33.28
600.0	0.33	187.26	600.0	-5.7	1.0	-5.8	0.25	-0.12	36.36
625.0	0.25	214.00	625.0	-5.8	1.0	-5.9	0.62	-0.32	106.96
650.0	0.27	222.01	650.0	-5.9	0.9	-6.0	0.17	0.08	32.04
675.0	0.27	217.80	675.0	-6.0	0.8	-6.1	0.08	0.00	-16.84
700.0	0.32	217.78	700.0	-6.1	0.8	-6.2	0.20	0.20	-0.08
725.0	0.32	215.00	725.0	-6.2	0.7	-6.3	0.06	0.00	-11.12
750.0	0.33	216.01	750.0	-6.3	0.6	-6.4	0.05	0.04	4.04
775.0	0.35	218.69	775.0	-6.5	0.5	-6.5	0.10	0.08	10.72
800.0	0.36	204.26	800.0	-6.6	0.4	-6.6	0.36	0.04	-57.72
825.0	0.37	202.58	825.0	-6.7	0.4	-6.7	0.06	0.04	-6.72
850.0	0.38	200.76	850.0	-6.9	0.3	-6.9	0.06	0.04	-7.28
875.0	0.32	157.33	875.0	-7.0	0.3	-7.0	1.06	-0.24	-173.72
900.0	0.32	135.54	900.0	-7.1	0.4	-7.2	0.48	0.00	-87.16
925.0	0.40	115.74	925.0	-7.2	0.5	-7.3	0.59	0.32	-79.20
950.0	0.41	99.71	950.0	-7.3	0.7	-7.3	0.45	0.04	-64.12
975.0	0.51	84.40	975.0	-7.3	0.9	-7.3	0.63	0.40	-61.24
1,000.0	0.64	63.76	1,000.0	-7.2	1.1	-7.3	0.97	0.52	-82.56
1,025.0	0.94	48.26	1,025.0	-7.0	1.4	-7.1	1.46	1.20	-62.00
1,050.0	1.21	44.11	1,050.0	-6.7	1.7	-6.8	1.12	1.08	-16.60
1,075.0	1.21	44.87	1,074.9	-6.3	2.1	-6.5	0.06	0.00	3.04
1,100.0	1.22	46.65	1,099.9	-5.9	2.5	-6.1	0.16	0.04	7.12
1,125.0	1.19	47.25	1,124.9	-5.6	2.9	-5.8	0.13	-0.12	2.40
1,150.0	1.27	46.27	1,149.9	-5.2	3.2	-5.5	0.33	0.32	-3.92
1,175.0	1.19	49.70	1,174.9	-4.9	3.6	-5.1	0.43	-0.32	13.72
1,200.0	1.19	52.94	1,199.9	-4.5	4.0	-4.8	0.27	0.00	12.96
1,225.0	1.21	53.63	1,224.9	-4.2	4.5	-4.6	0.10	0.08	2.76
1,250.0	1.23	58.92	1,249.9	-3.9	4.9	-4.3	0.46	0.08	21.16
1,275.0	1.20	59.90	1,274.9	-3.7	5.4	-4.1	0.15	-0.12	3.92
1,300.0	1.24	60.49	1,299.9	-3.4	5.8	-3.8	0.17	0.16	2.36
1,325.0	1.25	56.89	1,324.9	-3.1	6.3	-3.6	0.32	0.04	-14.40
1,350.0	1.18	63.39	1,349.9	-2.9	6.8	-3.4	0.62	-0.28	26.00
1,375.0	1.18	66.02	1,374.9	-2.6	7.2	-3.2	0.22	0.00	10.52



Intrepid
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1,400.0	1.15	62.64	1,399.9	-2.4	7.7	-3.0	0.30	-0.12	-13.52
1,425.0	1.09	60.51	1,424.9	-2.2	8.1	-2.8	0.29	-0.24	-8.52
1,450.0	0.67	47.62	1,449.9	-2.0	8.4	-2.6	1.85	-1.68	-51.56
1,475.0	0.50	332.15	1,474.9	-1.8	8.5	-2.4	2.91	-0.68	-301.88
1,500.0	0.89	288.46	1,499.9	-1.6	8.2	-2.2	2.53	1.56	-174.76
1,525.0	1.51	276.48	1,524.9	-1.5	7.7	-2.1	2.66	2.48	-47.92
1,550.0	1.84	272.95	1,549.8	-1.5	7.0	-2.0	1.38	1.32	-14.12
1,575.0	1.89	272.69	1,574.8	-1.4	6.2	-1.9	0.20	0.20	-1.04
1,600.0	1.90	270.15	1,599.8	-1.4	5.4	-1.8	0.34	0.04	-10.16
1,625.0	1.90	271.54	1,624.8	-1.4	4.5	-1.7	0.18	0.00	5.56
1,650.0	1.85	272.43	1,649.8	-1.4	3.7	-1.6	0.23	-0.20	3.56
1,675.0	1.81	270.38	1,674.8	-1.3	2.9	-1.6	0.31	-0.16	-8.20
1,700.0	1.88	272.51	1,699.8	-1.3	2.1	-1.5	0.39	0.28	8.52
1,725.0	1.91	275.30	1,724.8	-1.3	1.3	-1.3	0.39	0.12	11.16
1,750.0	1.88	273.26	1,749.7	-1.2	0.5	-1.2	0.30	-0.12	-8.16
1,775.0	1.90	274.35	1,774.7	-1.1	-0.4	-1.1	0.16	0.08	4.36
1,800.0	1.84	272.52	1,799.7	-1.1	-1.2	-1.0	0.34	-0.24	-7.32
1,825.0	1.79	271.27	1,824.7	-1.1	-2.0	-0.9	0.26	-0.20	-5.00
1,850.0	1.80	272.66	1,849.7	-1.0	-2.7	-0.8	0.18	0.04	5.56
1,875.0	1.80	270.99	1,874.7	-1.0	-3.5	-0.7	0.21	0.00	-6.68
1,925.0	1.85	273.01	1,924.7	-1.0	-5.1	-0.6	0.16	0.10	4.04
1,950.0	1.89	272.15	1,949.6	-0.9	-5.9	-0.5	0.20	0.16	-3.44
1,975.0	1.82	270.05	1,974.6	-0.9	-6.7	-0.4	0.39	-0.28	-8.40
2,000.0	1.85	270.14	1,999.6	-0.9	-7.5	-0.3	0.12	0.12	0.36
2,025.0	1.86	270.85	2,024.6	-0.9	-8.4	-0.3	0.10	0.04	2.84
2,050.0	1.85	272.32	2,049.6	-0.9	-9.2	-0.2	0.19	-0.04	5.88
2,075.0	1.92	272.53	2,074.6	-0.8	-10.0	-0.1	0.28	0.28	0.84
2,100.0	1.88	272.43	2,099.6	-0.8	-10.8	0.0	0.16	-0.16	-0.40
2,125.0	1.87	271.53	2,124.5	-0.8	-11.6	0.1	0.12	-0.04	-3.60
2,150.0	1.86	267.95	2,149.5	-0.8	-12.4	0.2	0.47	-0.04	-14.32
2,175.0	1.90	272.27	2,174.5	-0.8	-13.3	0.2	0.59	0.16	17.28
2,200.0	1.84	270.60	2,199.5	-0.8	-14.1	0.3	0.32	-0.24	-6.68
2,225.0	1.85	273.12	2,224.5	-0.7	-14.9	0.4	0.33	0.04	10.08
2,250.0	1.81	274.64	2,249.5	-0.7	-15.7	0.5	0.25	-0.16	6.08
2,275.0	1.77	271.94	2,274.5	-0.6	-16.5	0.6	0.37	-0.16	-10.80
2,300.0	1.76	275.87	2,299.5	-0.6	-17.2	0.7	0.49	-0.04	15.72
2,325.0	1.75	275.14	2,324.4	-0.5	-18.0	0.9	0.10	-0.04	-2.92
2,350.0	1.73	277.12	2,349.4	-0.4	-18.7	1.0	0.25	-0.08	7.92
2,375.0	1.67	274.46	2,374.4	-0.3	-19.5	1.1	0.40	-0.24	-10.64
2,400.0	1.68	274.44	2,399.4	-0.3	-20.2	1.2	0.04	0.04	-0.08
2,425.0	1.58	277.06	2,424.4	-0.2	-20.9	1.4	0.50	-0.40	10.48
2,450.0	1.58	278.61	2,449.4	-0.1	-21.6	1.5	0.17	0.00	6.20
2,475.0	1.59	279.36	2,474.4	0.0	-22.3	1.7	0.09	0.04	3.00



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2,500.0	1.49	279.31	2,499.4	0.1	-22.9	1.8	0.40	-0.40	-0.20
2,525.0	1.53	282.23	2,524.4	0.2	-23.6	2.0	0.35	0.16	11.68
2,550.0	1.55	288.30	2,549.4	0.4	-24.2	2.2	0.66	0.08	24.28
2,575.0	1.42	286.22	2,574.3	0.6	-24.9	2.5	0.56	-0.52	-8.32
2,600.0	1.35	284.06	2,599.3	0.7	-25.4	2.7	0.35	-0.28	-8.64
2,625.0	1.34	283.36	2,624.3	0.9	-26.0	2.9	0.08	-0.04	-2.80
2,650.0	1.37	284.72	2,649.3	1.0	-26.6	3.0	0.18	0.12	5.44
2,675.0	1.25	284.23	2,674.3	1.2	-27.1	3.2	0.48	-0.48	-1.96
2,700.0	1.23	286.09	2,699.3	1.3	-27.7	3.4	0.18	-0.08	7.44
2,725.0	1.16	287.07	2,724.3	1.5	-28.2	3.6	0.29	-0.28	3.92
2,750.0	1.13	285.19	2,749.3	1.6	-28.6	3.8	0.19	-0.12	-7.52
2,775.0	1.08	281.38	2,774.3	1.7	-29.1	3.9	0.36	-0.20	-15.24
2,800.0	1.09	281.26	2,799.3	1.8	-29.6	4.0	0.04	0.04	-0.48
2,825.0	1.23	278.70	2,824.3	1.9	-30.1	4.2	0.60	0.56	-10.24
2,850.0	1.33	264.95	2,849.3	1.9	-30.6	4.2	1.29	0.40	-55.00
2,875.0	1.62	254.69	2,874.3	1.8	-31.3	4.2	1.56	1.16	-41.04
2,900.0	1.66	254.18	2,899.3	1.6	-31.9	4.0	0.17	0.16	-2.04
2,925.0	1.68	255.94	2,924.3	1.4	-32.6	3.9	0.22	0.08	7.04
2,950.0	1.62	256.61	2,949.2	1.2	-33.3	3.8	0.25	-0.24	2.68
2,975.0	1.58	255.50	2,974.2	1.1	-34.0	3.6	0.20	-0.16	-4.44
3,000.0	1.51	253.60	2,999.2	0.9	-34.7	3.5	0.35	-0.28	-7.60
3,025.0	1.80	263.47	3,024.2	0.7	-35.4	3.4	1.62	1.16	39.48
3,050.0	2.01	270.29	3,049.2	0.7	-36.2	3.5	1.23	0.84	27.28
3,100.0	2.26	274.92	3,099.2	0.8	-38.1	3.7	0.61	0.50	9.26
3,125.0	2.21	276.53	3,124.1	0.9	-39.0	3.9	0.32	-0.20	6.44
3,150.0	2.02	279.94	3,149.1	1.0	-40.0	4.1	0.91	-0.76	13.64
3,175.0	1.74	284.13	3,174.1	1.2	-40.8	4.3	1.25	-1.12	16.76
3,200.0	1.36	285.84	3,199.1	1.4	-41.4	4.5	1.53	-1.52	6.84
3,225.0	0.95	299.55	3,224.1	1.5	-41.9	4.7	1.97	-1.64	54.84
3,250.0	0.50	321.99	3,249.1	1.7	-42.1	4.9	2.10	-1.80	89.76
3,275.0	0.45	357.47	3,274.1	1.9	-42.2	5.1	1.17	-0.20	141.92
3,300.0	0.49	26.66	3,299.1	2.1	-42.1	5.3	0.96	0.16	116.76
3,325.0	0.51	37.22	3,324.1	2.3	-42.0	5.5	0.38	0.08	42.24
3,350.0	0.43	23.73	3,349.1	2.5	-41.9	5.6	0.54	-0.32	-53.96
3,375.0	0.58	304.09	3,374.1	2.6	-42.0	5.8	2.63	0.60	-318.56
3,400.0	1.00	277.49	3,399.1	2.7	-42.3	5.9	2.19	1.68	-106.40
3,425.0	1.18	271.51	3,424.1	2.8	-42.8	6.0	0.85	0.72	-23.92
3,450.0	1.14	270.40	3,449.1	2.8	-43.3	6.1	0.18	-0.16	-4.44
3,475.0	1.16	270.15	3,474.1	2.8	-43.8	6.1	0.08	0.08	-1.00
3,500.0	1.41	263.01	3,499.1	2.7	-44.4	6.1	1.19	1.00	-28.56
3,525.0	1.73	256.79	3,524.1	2.6	-45.0	6.0	1.45	1.28	-24.88
3,550.0	2.00	251.95	3,549.1	2.4	-45.8	5.9	1.25	1.08	-19.36
3,575.0	1.97	254.31	3,574.0	2.1	-46.6	5.7	0.35	-0.12	9.44
3,600.0	1.87	246.08	3,599.0	1.9	-47.4	5.5	1.17	-0.40	-32.92



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 #704H
Wellbore: OWB
Design: AWB

Local Co-ordinate Reference: Well Dominator 25 Federal Com #704H
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)
3,625.0	1.86	241.84	3,624.0	1.5	-48.2	5.2	0.55	-0.04	-16.96
3,650.0	1.81	235.75	3,649.0	1.1	-48.8	4.8	0.80	-0.20	-24.36
3,675.0	2.09	235.11	3,674.0	0.6	-49.5	4.4	1.12	1.12	-2.56
3,700.0	2.56	236.78	3,699.0	0.0	-50.4	3.9	1.90	1.88	6.68
3,725.0	3.37	248.29	3,723.9	-0.5	-51.5	3.4	4.01	3.24	46.04
3,750.0	3.67	241.44	3,748.9	-1.2	-52.9	2.8	2.06	1.20	-27.40
3,775.0	3.68	241.27	3,773.8	-2.0	-54.3	2.2	0.06	0.04	-0.68
3,800.0	3.61	241.19	3,798.8	-2.7	-55.7	1.5	0.28	-0.28	-0.32
3,825.0	3.68	240.73	3,823.7	-3.5	-57.1	0.8	0.30	0.28	-1.84
3,850.0	3.67	241.46	3,848.7	-4.3	-58.5	0.2	0.19	-0.04	2.92
3,875.0	3.62	241.72	3,873.6	-5.0	-59.9	-0.5	0.21	-0.20	1.04
3,900.0	3.27	241.29	3,898.6	-5.7	-61.2	-1.1	1.40	-1.40	-1.72
3,925.0	2.77	243.64	3,923.5	-6.4	-62.4	-1.6	2.06	-2.00	9.40
3,950.0	2.27	244.54	3,948.5	-6.8	-63.4	-2.0	2.01	-2.00	3.60
3,975.0	1.73	246.65	3,973.5	-7.2	-64.2	-2.3	2.18	-2.16	8.44
4,000.0	1.65	249.96	3,998.5	-7.5	-64.9	-2.5	0.50	-0.32	13.24
4,025.0	1.88	261.14	4,023.5	-7.7	-65.6	-2.7	1.65	0.92	44.72
4,050.0	2.28	271.60	4,048.5	-7.7	-66.5	-2.6	2.20	1.60	41.84
4,075.0	2.26	269.94	4,073.4	-7.7	-67.5	-2.5	0.27	-0.08	-6.64
4,100.0	2.31	271.09	4,098.4	-7.7	-68.5	-2.5	0.27	0.20	4.60
4,125.0	2.28	269.15	4,123.4	-7.7	-69.5	-2.4	0.33	-0.12	-7.76
4,150.0	2.35	268.98	4,148.4	-7.7	-70.5	-2.3	0.28	0.28	-0.68
4,175.0	2.33	270.73	4,173.4	-7.7	-71.5	-2.2	0.30	-0.08	7.00
4,200.0	2.07	276.38	4,198.3	-7.6	-72.5	-2.1	1.35	-1.04	22.60
4,225.0	1.98	277.39	4,223.3	-7.5	-73.4	-1.9	0.39	-0.36	4.04
4,275.0	2.00	279.47	4,273.3	-7.3	-75.1	-1.6	0.15	0.04	4.16
4,300.0	1.97	277.66	4,298.3	-7.2	-75.9	-1.4	0.28	-0.12	-7.24
4,325.0	1.97	275.19	4,323.3	-7.1	-76.8	-1.2	0.34	0.00	-9.88
4,350.0	2.02	276.44	4,348.3	-7.0	-77.7	-1.1	0.27	0.20	5.00
4,375.0	1.78	278.41	4,373.2	-6.9	-78.5	-0.9	0.99	-0.96	7.88
4,400.0	1.47	278.02	4,398.2	-6.8	-79.2	-0.7	1.24	-1.24	-1.56
4,425.0	1.32	278.96	4,423.2	-6.7	-79.8	-0.6	0.61	-0.60	3.76
4,450.0	0.90	275.44	4,448.2	-6.6	-80.3	-0.5	1.70	-1.68	-14.08
4,475.0	0.44	250.38	4,473.2	-6.6	-80.5	-0.5	2.14	-1.84	-100.24
4,500.0	0.31	179.91	4,498.2	-6.7	-80.6	-0.6	1.78	-0.52	-281.88
4,525.0	0.45	157.75	4,523.2	-6.9	-80.6	-0.7	0.80	0.56	-88.64
4,550.0	0.43	158.39	4,548.2	-7.1	-80.5	-0.9	0.08	-0.08	2.56
4,575.0	0.65	235.53	4,573.2	-7.2	-80.6	-1.1	2.78	0.88	308.56
4,600.0	1.06	254.12	4,598.2	-7.4	-80.9	-1.2	1.96	1.64	74.36
4,625.0	1.35	258.07	4,623.2	-7.5	-81.5	-1.3	1.21	1.16	15.80
4,650.0	1.45	251.82	4,648.2	-7.7	-82.0	-1.4	0.73	0.40	-25.00
4,675.0	1.31	245.30	4,673.2	-7.9	-82.6	-1.6	0.84	-0.56	-26.08
4,700.0	1.34	227.33	4,698.2	-8.2	-83.1	-1.9	1.66	0.12	-71.88



Intrepid Survey Report



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Wellbore: OWB
Design: AWB

Local Co-ordinate Reference: Well Dominator 25 Federal Com #704H
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)
4,725.0	1.47	212.33	4,723.2	-8.7	-83.5	-2.3	1.55	0.52	-60.00
4,750.0	1.79	207.17	4,748.2	-9.3	-83.8	-2.9	1.41	1.28	-20.64
4,775.0	2.01	213.70	4,773.2	-10.0	-84.2	-3.6	1.23	0.88	26.12
4,800.0	2.14	220.86	4,798.1	-10.7	-84.8	-4.2	1.16	0.52	28.64
4,825.0	2.16	219.97	4,823.1	-11.4	-85.4	-4.9	0.16	0.08	-3.56
4,850.0	2.24	215.54	4,848.1	-12.2	-86.0	-5.6	0.75	0.32	-17.72
4,875.0	2.51	202.12	4,873.1	-13.1	-86.5	-6.5	2.47	1.08	-53.68
4,900.0	2.54	196.70	4,898.1	-14.1	-86.8	-7.5	0.96	0.12	-21.68
4,925.0	2.58	197.42	4,923.0	-15.2	-87.2	-8.5	0.21	0.16	2.88
4,950.0	2.25	222.52	4,948.0	-16.1	-87.7	-9.4	4.39	-1.32	100.40
4,975.0	2.24	240.92	4,973.0	-16.7	-88.4	-9.9	2.87	-0.04	73.60
5,000.0	2.35	244.47	4,998.0	-17.1	-89.3	-10.3	0.72	0.44	14.20
5,025.0	2.32	247.71	5,023.0	-17.6	-90.2	-10.7	0.54	-0.12	12.96
5,050.0	2.19	265.95	5,047.9	-17.8	-91.2	-10.8	2.90	-0.52	72.96
5,075.0	2.67	299.55	5,072.9	-17.5	-92.2	-10.5	5.91	1.92	134.40
5,100.0	2.93	307.30	5,097.9	-16.9	-93.2	-9.7	1.83	1.04	31.00
5,125.0	3.02	309.07	5,122.8	-16.1	-94.2	-8.9	0.51	0.36	7.08
5,150.0	3.02	308.60	5,147.8	-15.2	-95.2	-8.0	0.10	0.00	-1.88
5,175.0	2.85	308.69	5,172.8	-14.4	-96.2	-7.1	0.68	-0.68	0.36
5,200.0	2.86	309.51	5,197.7	-13.6	-97.2	-6.2	0.17	0.04	3.28
5,225.0	2.82	311.69	5,222.7	-12.8	-98.1	-5.4	0.46	-0.16	8.72
5,250.0	2.67	312.26	5,247.7	-12.0	-99.0	-4.5	0.61	-0.60	2.28
5,275.0	2.57	310.67	5,272.7	-11.3	-99.9	-3.7	0.49	-0.40	-6.36
5,300.0	2.59	312.46	5,297.6	-10.5	-100.7	-2.9	0.33	0.08	7.16
5,325.0	2.54	311.32	5,322.6	-9.8	-101.6	-2.0	0.29	-0.20	-4.56
5,350.0	2.61	311.92	5,347.6	-9.0	-102.4	-1.2	0.30	0.28	2.40
5,375.0	2.66	311.78	5,372.6	-8.3	-103.3	-0.4	0.20	0.20	-0.56
5,400.0	2.62	314.93	5,397.5	-7.5	-104.1	0.4	0.60	-0.16	12.60
5,450.0	2.48	312.14	5,447.5	-6.0	-105.7	2.1	0.37	-0.28	-5.58
5,475.0	2.53	314.87	5,472.5	-5.2	-106.5	2.9	0.52	0.20	10.92
5,500.0	2.40	312.89	5,497.4	-4.5	-107.3	3.7	0.62	-0.52	-7.92
5,525.0	2.36	313.07	5,522.4	-3.7	-108.0	4.5	0.16	-0.16	0.72
5,550.0	2.29	313.22	5,547.4	-3.1	-108.8	5.2	0.28	-0.28	0.60
5,575.0	2.30	311.25	5,572.4	-2.4	-109.5	5.9	0.32	0.04	-7.88
5,600.0	2.22	310.78	5,597.4	-1.7	-110.3	6.6	0.33	-0.32	-1.88
5,625.0	2.27	311.16	5,622.3	-1.1	-111.0	7.3	0.21	0.20	1.52
5,650.0	2.30	311.34	5,647.3	-0.4	-111.7	8.1	0.12	0.12	0.72
5,675.0	1.86	305.40	5,672.3	0.1	-112.4	8.7	1.96	-1.76	-23.76
5,700.0	1.39	288.44	5,697.3	0.5	-113.1	9.0	2.67	-1.88	-67.84
5,725.0	1.31	264.45	5,722.3	0.5	-113.6	9.2	2.27	-0.32	-95.96
5,750.0	1.38	248.51	5,747.3	0.4	-114.2	9.1	1.52	0.28	-63.76
5,775.0	1.37	245.77	5,772.3	0.2	-114.8	8.9	0.27	-0.04	-10.96
5,800.0	1.38	250.81	5,797.3	-0.1	-115.3	8.7	0.49	0.04	20.16



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 #704H
Wellbore: OWB
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Local Co-ordinate Reference: Well Dominator 25 Federal Com #704H
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North Reference: Grid
Survey Calculation Method: Minimum Curvature
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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)
5,825.0	1.38	259.57	5,822.3	-0.2	-115.9	8.6	0.84	0.00	35.04
5,850.0	1.49	249.61	5,847.2	-0.4	-116.5	8.5	1.09	0.44	-39.84
5,875.0	1.80	248.27	5,872.2	-0.6	-117.2	8.3	1.25	1.24	-5.36
5,900.0	2.74	245.80	5,897.2	-1.0	-118.1	7.9	3.78	3.76	-9.88
5,925.0	2.95	246.28	5,922.2	-1.5	-119.2	7.5	0.85	0.84	1.92
5,950.0	3.05	246.06	5,947.2	-2.1	-120.4	7.1	0.40	0.40	-0.88
5,975.0	3.01	246.77	5,972.1	-2.6	-121.6	6.6	0.22	-0.16	2.84
6,000.0	3.02	244.27	5,997.1	-3.1	-122.8	6.2	0.53	0.04	-10.00
6,025.0	2.99	245.42	6,022.0	-3.7	-124.0	5.7	0.27	-0.12	4.60
6,050.0	2.95	246.80	6,047.0	-4.2	-125.2	5.3	0.33	-0.16	5.52
6,075.0	2.96	245.31	6,072.0	-4.7	-126.4	4.9	0.31	0.04	-5.96
6,100.0	2.96	244.80	6,096.9	-5.3	-127.5	4.4	0.11	0.00	-2.04
6,125.0	2.97	247.34	6,121.9	-5.8	-128.7	4.0	0.53	0.04	10.16
6,150.0	3.07	250.39	6,146.9	-6.3	-129.9	3.6	0.76	0.40	12.20
6,175.0	3.19	260.10	6,171.8	-6.6	-131.3	3.4	2.17	0.48	38.84
6,200.0	3.48	271.24	6,196.8	-6.7	-132.7	3.4	2.83	1.16	44.56
6,225.0	3.77	277.71	6,221.8	-6.6	-134.3	3.6	2.00	1.16	25.88
6,250.0	3.73	277.17	6,246.7	-6.4	-135.9	3.9	0.21	-0.16	-2.16
6,275.0	3.75	277.28	6,271.6	-6.2	-137.5	4.3	0.08	0.08	0.44
6,300.0	3.64	278.01	6,296.6	-6.0	-139.1	4.6	0.48	-0.44	2.92
6,325.0	3.65	278.46	6,321.5	-5.7	-140.7	5.0	0.12	0.04	1.80
6,350.0	3.63	278.42	6,346.5	-5.5	-142.3	5.3	0.08	-0.08	-0.16
6,375.0	3.55	278.29	6,371.4	-5.3	-143.8	5.6	0.32	-0.32	-0.52
6,400.0	3.52	278.67	6,396.4	-5.1	-145.3	6.0	0.15	-0.12	1.52
6,425.0	3.43	278.25	6,421.3	-4.8	-146.8	6.3	0.37	-0.36	-1.68
6,450.0	3.31	277.34	6,446.3	-4.6	-148.3	6.6	0.53	-0.48	-3.64
6,475.0	3.35	277.88	6,471.3	-4.4	-149.7	6.9	0.20	0.16	2.16
6,500.0	3.25	278.10	6,496.2	-4.2	-151.1	7.2	0.40	-0.40	0.88
6,525.0	3.18	277.85	6,521.2	-4.0	-152.5	7.5	0.29	-0.28	-1.00
6,550.0	3.28	280.05	6,546.1	-3.8	-153.9	7.9	0.64	0.40	8.80
6,575.0	3.09	278.64	6,571.1	-3.6	-155.3	8.2	0.82	-0.76	-5.64
6,625.0	3.10	279.00	6,621.0	-3.2	-158.0	8.8	0.04	0.02	0.72
6,650.0	3.04	278.74	6,646.0	-3.0	-159.3	9.1	0.25	-0.24	-1.04
6,675.0	3.08	280.24	6,671.0	-2.8	-160.6	9.4	0.36	0.16	6.00
6,700.0	2.93	278.89	6,695.9	-2.5	-161.9	9.8	0.66	-0.60	-5.40
6,725.0	2.88	280.20	6,720.9	-2.3	-163.1	10.1	0.33	-0.20	5.24
6,750.0	2.92	279.80	6,745.9	-2.1	-164.4	10.4	0.18	0.16	-1.60
6,775.0	2.86	279.47	6,770.8	-1.9	-165.6	10.7	0.25	-0.24	-1.32
6,800.0	2.87	278.17	6,795.8	-1.7	-166.9	11.0	0.26	0.04	-5.20
6,825.0	2.81	278.42	6,820.8	-1.5	-168.1	11.2	0.25	-0.24	1.00
6,850.0	2.82	278.49	6,845.7	-1.4	-169.3	11.5	0.04	0.04	0.28
6,875.0	2.84	278.69	6,870.7	-1.2	-170.5	11.8	0.09	0.08	0.80
6,900.0	2.80	280.08	6,895.7	-1.0	-171.7	12.1	0.32	-0.16	5.56
6,925.0	2.72	279.39	6,920.6	-0.8	-172.9	12.4	0.35	-0.32	-2.76



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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)
6,950.0	2.72	278.34	6,945.6	-0.6	-174.1	12.6	0.20	0.00	-4.20
6,975.0	2.67	277.97	6,970.6	-0.4	-175.3	12.9	0.21	-0.20	-1.48
7,000.0	2.63	279.17	6,995.6	-0.2	-176.4	13.2	0.27	-0.16	4.80
7,025.0	2.55	277.16	7,020.5	-0.1	-177.5	13.4	0.48	-0.32	-8.04
7,050.0	2.53	276.88	7,045.5	0.1	-178.6	13.6	0.09	-0.08	-1.12
7,075.0	2.55	278.36	7,070.5	0.2	-179.7	13.8	0.27	0.08	5.92
7,100.0	2.43	278.34	7,095.5	0.4	-180.8	14.1	0.48	-0.48	-0.08
7,125.0	2.45	278.33	7,120.4	0.5	-181.8	14.3	0.08	0.08	-0.04
7,150.0	2.44	278.64	7,145.4	0.7	-182.9	14.6	0.07	-0.04	1.24
7,175.0	2.28	279.05	7,170.4	0.8	-183.9	14.8	0.64	-0.64	1.64
7,200.0	2.28	277.64	7,195.4	1.0	-184.9	15.0	0.22	0.00	-5.64
7,225.0	2.26	278.96	7,220.4	1.1	-185.9	15.2	0.22	-0.08	5.28
7,250.0	2.26	278.57	7,245.3	1.3	-186.9	15.4	0.06	0.00	-1.56
7,275.0	2.28	281.19	7,270.3	1.4	-187.8	15.7	0.42	0.08	10.48
7,300.0	2.11	280.55	7,295.3	1.6	-188.8	15.9	0.69	-0.68	-2.56
7,325.0	2.19	280.25	7,320.3	1.8	-189.7	16.2	0.32	0.32	-1.20
7,350.0	2.13	280.42	7,345.3	2.0	-190.6	16.4	0.24	-0.24	0.68
7,375.0	2.15	278.58	7,370.3	2.1	-191.5	16.6	0.29	0.08	-7.36
7,400.0	2.06	280.84	7,395.2	2.3	-192.4	16.9	0.49	-0.36	9.04
7,425.0	2.00	277.55	7,420.2	2.4	-193.3	17.1	0.52	-0.24	-13.16
7,450.0	1.98	277.60	7,445.2	2.5	-194.2	17.3	0.08	-0.08	0.20
7,475.0	1.91	275.76	7,470.2	2.6	-195.0	17.4	0.38	-0.28	-7.36
7,500.0	1.91	277.64	7,495.2	2.7	-195.9	17.6	0.25	0.00	7.52
7,525.0	1.84	276.19	7,520.2	2.8	-196.7	17.7	0.34	-0.28	-5.80
7,550.0	1.80	275.96	7,545.1	2.9	-197.5	17.9	0.16	-0.16	-0.92
7,575.0	1.86	275.04	7,570.1	3.0	-198.2	18.0	0.27	0.24	-3.68
7,600.0	1.80	276.93	7,595.1	3.1	-199.0	18.2	0.34	-0.24	7.56
7,625.0	1.83	272.81	7,620.1	3.1	-199.8	18.3	0.54	0.12	-16.48
7,650.0	1.83	274.96	7,645.1	3.2	-200.6	18.4	0.27	0.00	8.60
7,675.0	1.81	274.95	7,670.1	3.2	-201.4	18.5	0.08	-0.08	-0.04
7,700.0	1.83	275.02	7,695.1	3.3	-202.2	18.7	0.08	0.08	0.28
7,725.0	1.81	274.47	7,720.1	3.4	-203.0	18.8	0.11	-0.08	-2.20
7,750.0	1.88	275.52	7,745.0	3.5	-203.8	18.9	0.31	0.28	4.20
7,800.0	1.87	273.94	7,795.0	3.6	-205.4	19.2	0.11	-0.02	-3.16
7,825.0	1.77	273.96	7,820.0	3.6	-206.2	19.3	0.40	-0.40	0.08
7,850.0	1.82	271.15	7,845.0	3.7	-207.0	19.4	0.40	0.20	-11.24
7,875.0	1.69	274.56	7,870.0	3.7	-207.8	19.5	0.67	-0.52	13.64
7,900.0	1.74	271.77	7,895.0	3.8	-208.5	19.6	0.39	0.20	-11.16
7,925.0	1.71	269.34	7,920.0	3.8	-209.3	19.6	0.32	-0.12	-9.72
7,950.0	1.75	270.37	7,944.9	3.8	-210.0	19.7	0.20	0.16	4.12
7,975.0	1.76	272.19	7,969.9	3.8	-210.8	19.8	0.23	0.04	7.28
8,000.0	1.73	272.23	7,994.9	3.8	-211.6	19.9	0.12	-0.12	0.16
8,025.0	1.69	269.76	8,019.9	3.8	-212.3	19.9	0.34	-0.16	-9.88



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 #704H
Wellbore: OWB
Design: AWB

Local Co-ordinate Reference: Well Dominator 25 Federal Com #704H
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)
8,050.0	1.70	271.02	8,044.9	3.8	-213.0	20.0	0.15	0.04	5.04
8,075.0	1.61	269.93	8,069.9	3.8	-213.8	20.0	0.38	-0.36	-4.36
8,100.0	1.62	266.97	8,094.9	3.8	-214.5	20.1	0.34	0.04	-11.84
8,125.0	1.57	266.69	8,119.9	3.8	-215.2	20.1	0.20	-0.20	-1.12
8,150.0	1.49	266.54	8,144.9	3.7	-215.8	20.1	0.32	-0.32	-0.60
8,175.0	1.46	262.65	8,169.9	3.7	-216.5	20.1	0.42	-0.12	-15.56
8,200.0	1.51	265.92	8,194.8	3.6	-217.1	20.1	0.39	0.20	13.08
8,225.0	1.55	258.92	8,219.8	3.5	-217.8	20.0	0.76	0.16	-28.00
8,250.0	1.54	263.89	8,244.8	3.4	-218.4	20.0	0.54	-0.04	19.88
8,275.0	1.48	265.69	8,269.8	3.4	-219.1	20.0	0.31	-0.24	7.20
8,300.0	1.48	261.37	8,294.8	3.3	-219.7	20.0	0.45	0.00	-17.28
8,325.0	1.44	263.09	8,319.8	3.2	-220.4	19.9	0.24	-0.16	6.88
8,350.0	1.38	265.33	8,344.8	3.1	-221.0	19.9	0.33	-0.24	8.96
8,375.0	1.39	262.54	8,369.8	3.1	-221.6	19.9	0.27	0.04	-11.16
8,400.0	1.39	262.84	8,394.8	3.0	-222.2	19.9	0.03	0.00	1.20
8,425.0	1.35	266.04	8,419.8	2.9	-222.8	19.8	0.35	-0.16	12.80
8,450.0	1.37	265.22	8,444.8	2.9	-223.4	19.8	0.11	0.08	-3.28
8,475.0	1.43	262.50	8,469.8	2.8	-224.0	19.8	0.36	0.24	-10.88
8,500.0	1.39	263.29	8,494.8	2.8	-224.6	19.8	0.18	-0.16	3.16
8,525.0	1.42	264.91	8,519.7	2.7	-225.2	19.8	0.20	0.12	6.48
8,550.0	1.86	264.28	8,544.7	2.6	-225.9	19.8	1.76	1.76	-2.52
8,575.0	2.59	266.47	8,569.7	2.5	-226.9	19.8	2.94	2.92	8.76
8,600.0	2.77	266.02	8,594.7	2.5	-228.0	19.8	0.72	0.72	-1.80
8,625.0	2.76	268.13	8,619.7	2.4	-229.2	19.8	0.41	-0.04	8.44
8,650.0	2.72	266.65	8,644.6	2.4	-230.4	19.8	0.33	-0.16	-5.92
8,675.0	2.77	266.36	8,669.6	2.3	-231.6	19.9	0.21	0.20	-1.16
8,700.0	2.68	265.21	8,694.6	2.2	-232.8	19.9	0.42	-0.36	-4.60
8,725.0	2.59	266.29	8,719.5	2.1	-234.0	19.9	0.41	-0.36	4.32
8,750.0	2.56	265.46	8,744.5	2.0	-235.1	19.9	0.19	-0.12	-3.32
8,775.0	2.57	266.13	8,769.5	1.9	-236.2	19.9	0.13	0.04	2.68
8,800.0	2.52	263.53	8,794.5	1.8	-237.3	19.9	0.50	-0.20	-10.40
8,825.0	2.52	264.53	8,819.4	1.7	-238.4	19.8	0.18	0.00	4.00
8,850.0	2.43	265.00	8,844.4	1.6	-239.5	19.8	0.37	-0.36	1.88
8,875.0	2.46	264.97	8,869.4	1.5	-240.5	19.8	0.12	0.12	-0.12
8,900.0	2.36	264.47	8,894.4	1.4	-241.6	19.8	0.41	-0.40	-2.00
8,925.0	2.42	263.85	8,919.4	1.3	-242.6	19.8	0.26	0.24	-2.48
8,975.0	2.25	261.15	8,969.3	1.1	-244.6	19.6	0.40	-0.34	-5.40
9,000.0	2.16	265.68	8,994.3	1.0	-245.6	19.6	0.78	-0.36	18.12
9,025.0	2.05	265.58	9,019.3	0.9	-246.5	19.6	0.44	-0.44	-0.40
9,050.0	1.97	263.90	9,044.3	0.8	-247.4	19.6	0.40	-0.32	-6.72
9,075.0	1.96	263.61	9,069.3	0.7	-248.2	19.6	0.06	-0.04	-1.16
9,100.0	1.95	262.81	9,094.2	0.6	-249.1	19.5	0.12	-0.04	-3.20
9,125.0	1.95	263.95	9,119.2	0.5	-249.9	19.5	0.16	0.00	4.56

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 #704H
Wellbore: OWB
Design: AWB

Local Co-ordinate Reference: Well Dominator 25 Federal Com #704H
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)
9,150.0	1.82	265.75	9,144.2	0.4	-250.7	19.5	0.57	-0.52	7.20
9,175.0	1.86	264.65	9,169.2	0.4	-251.5	19.5	0.21	0.16	-4.40
9,200.0	1.78	262.50	9,194.2	0.3	-252.3	19.4	0.42	-0.32	-8.60
9,225.0	1.72	262.56	9,219.2	0.2	-253.1	19.4	0.24	-0.24	0.24
9,250.0	1.68	265.14	9,244.2	0.1	-253.8	19.4	0.35	-0.16	10.32
9,275.0	1.63	264.45	9,269.2	0.0	-254.5	19.4	0.22	-0.20	-2.76
9,300.0	1.61	269.47	9,294.1	0.0	-255.3	19.4	0.57	-0.08	20.08
9,325.0	1.57	268.67	9,319.1	0.0	-255.9	19.4	0.18	-0.16	-3.20
9,350.0	1.71	266.43	9,344.1	0.0	-256.7	19.5	0.62	0.56	-8.96
9,375.0	1.54	266.86	9,369.1	-0.1	-257.4	19.5	0.68	-0.68	1.72
9,400.0	1.59	268.35	9,394.1	-0.1	-258.0	19.5	0.26	0.20	5.96
9,425.0	1.52	273.30	9,419.1	-0.1	-258.7	19.5	0.61	-0.28	19.80
9,450.0	1.44	276.90	9,444.1	0.0	-259.4	19.7	0.49	-0.32	14.40
9,475.0	1.45	282.60	9,469.1	0.1	-260.0	19.8	0.58	0.04	22.80
9,500.0	1.44	283.04	9,494.1	0.2	-260.6	20.0	0.06	-0.04	1.76
9,525.0	1.39	285.86	9,519.1	0.4	-261.2	20.2	0.34	-0.20	11.28
9,550.0	1.40	291.74	9,544.1	0.6	-261.8	20.4	0.57	0.04	23.52
9,575.0	1.41	297.64	9,569.0	0.8	-262.3	20.7	0.58	0.04	23.60
9,600.0	1.39	298.89	9,594.0	1.1	-262.9	21.1	0.15	-0.08	5.00
9,625.0	1.40	299.71	9,619.0	1.4	-263.4	21.4	0.09	0.04	3.28
9,650.0	1.38	302.49	9,644.0	1.7	-263.9	21.7	0.28	-0.08	11.12
9,675.0	1.31	304.03	9,669.0	2.0	-264.4	22.1	0.32	-0.28	6.16
9,700.0	1.33	307.84	9,694.0	2.4	-264.9	22.5	0.36	0.08	15.24
9,725.0	1.31	308.16	9,719.0	2.7	-265.3	22.9	0.09	-0.08	1.28
9,750.0	1.33	309.49	9,744.0	3.1	-265.8	23.3	0.15	0.08	5.32
9,775.0	1.29	311.03	9,769.0	3.5	-266.2	23.7	0.21	-0.16	6.16
9,800.0	1.30	308.42	9,794.0	3.8	-266.7	24.1	0.24	0.04	-10.44
9,825.0	1.35	312.25	9,819.0	4.2	-267.1	24.5	0.41	0.20	15.32
9,850.0	1.40	311.40	9,844.0	4.6	-267.5	24.9	0.22	0.20	-3.40
9,875.0	1.65	303.51	9,869.0	5.0	-268.1	25.3	1.30	1.00	-31.56
9,900.0	1.89	300.85	9,894.0	5.4	-268.7	25.8	1.01	0.96	-10.64
9,925.0	1.87	298.67	9,918.9	5.8	-269.4	26.3	0.30	-0.08	-8.72
9,950.0	2.15	289.65	9,943.9	6.2	-270.2	26.7	1.69	1.12	-36.08
9,975.0	2.50	281.72	9,968.9	6.4	-271.2	27.0	1.90	1.40	-31.72
10,000.0	2.79	277.67	9,993.9	6.6	-272.3	27.3	1.38	1.16	-16.20
10,025.0	2.70	275.36	10,018.8	6.8	-273.5	27.5	0.57	-0.36	-9.24
10,050.0	2.27	260.08	10,043.8	6.7	-274.6	27.6	3.14	-1.72	-61.12
10,075.0	2.04	245.39	10,068.8	6.5	-275.5	27.4	2.38	-0.92	-58.76
10,100.0	1.92	239.57	10,093.8	6.1	-276.3	27.0	0.94	-0.48	-23.28
10,150.0	1.99	240.59	10,143.8	5.2	-277.7	26.3	0.16	0.14	2.04
10,175.0	2.00	239.79	10,168.7	4.8	-278.5	25.9	0.12	0.04	-3.20
10,200.0	1.98	241.17	10,193.7	4.4	-279.3	25.5	0.21	-0.08	5.52
10,225.0	2.08	243.23	10,218.7	3.9	-280.0	25.2	0.50	0.40	8.24
10,250.0	2.24	241.68	10,243.7	3.5	-280.9	24.8	0.68	0.64	-6.20



Intrepid Survey Report



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Local Co-ordinate Reference: Well Dominator 25 Federal Com #704H
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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)	Build Rate (°/100usft)	Turn Rate (°/100usft)
10,275.0	2.52	247.51	10,268.7	3.1	-281.8	24.4	1.48	1.12	23.32
10,300.0	2.50	246.55	10,293.7	2.6	-282.8	24.1	0.19	-0.08	-3.84
10,325.0	2.46	246.93	10,318.6	2.2	-283.8	23.7	0.17	-0.16	1.52
10,350.0	2.55	245.64	10,343.6	1.8	-284.8	23.4	0.42	0.36	-5.16
10,375.0	2.55	241.77	10,368.6	1.3	-285.8	23.0	0.69	0.00	-15.48
10,400.0	2.47	249.94	10,393.6	0.8	-286.8	22.6	1.47	-0.32	32.68
10,425.0	2.19	250.50	10,418.5	0.5	-287.8	22.3	1.12	-1.12	2.24
10,450.0	2.01	253.74	10,443.5	0.2	-288.6	22.1	0.86	-0.72	12.96
10,475.0	1.94	253.97	10,468.5	0.0	-289.5	21.9	0.28	-0.28	0.92
10,500.0	1.94	254.65	10,493.5	-0.3	-290.3	21.8	0.09	0.00	2.72
10,525.0	1.92	251.93	10,518.5	-0.5	-291.1	21.6	0.38	-0.08	-10.88
10,550.0	1.88	244.23	10,543.5	-0.8	-291.9	21.3	1.03	-0.16	-30.80
10,575.0	1.81	240.26	10,568.4	-1.2	-292.6	21.0	0.58	-0.28	-15.88
10,600.0	1.96	240.31	10,593.4	-1.6	-293.3	20.7	0.60	0.60	0.20
10,625.0	1.89	240.34	10,618.4	-2.0	-294.0	20.3	0.28	-0.28	0.12
10,650.0	1.90	240.24	10,643.4	-2.4	-294.7	20.0	0.04	0.04	-0.40
10,675.0	1.83	244.97	10,668.4	-2.8	-295.4	19.6	0.68	-0.28	18.92
10,700.0	1.77	247.59	10,693.4	-3.1	-296.2	19.4	0.41	-0.24	10.48
10,725.0	1.78	249.18	10,718.4	-3.4	-296.9	19.1	0.20	0.04	6.36
10,750.0	1.76	251.76	10,743.4	-3.7	-297.6	18.9	0.33	-0.08	10.32
10,775.0	1.68	251.68	10,768.3	-3.9	-298.3	18.8	0.32	-0.32	-0.32
10,800.0	1.61	249.49	10,793.3	-4.1	-299.0	18.6	0.38	-0.28	-8.76
10,825.0	1.65	249.89	10,818.3	-4.4	-299.7	18.4	0.17	0.16	1.60
10,850.0	1.75	250.34	10,843.3	-4.6	-300.4	18.2	0.40	0.40	1.80
10,875.0	1.89	247.14	10,868.3	-4.9	-301.1	18.0	0.69	0.56	-12.80
10,900.0	1.92	276.85	10,893.3	-5.0	-301.9	17.9	3.91	0.12	118.84
10,925.0	2.12	251.06	10,918.3	-5.1	-302.8	17.9	3.69	0.80	-103.16
10,950.0	2.38	249.94	10,943.3	-5.5	-303.7	17.6	1.05	1.04	-4.48
10,975.0	2.41	250.51	10,968.2	-5.8	-304.7	17.3	0.15	0.12	2.28
11,000.0	2.55	247.67	10,993.2	-6.2	-305.7	17.0	0.74	0.56	-11.36
11,025.0	2.49	248.21	11,018.2	-6.6	-306.7	16.7	0.26	-0.24	2.16
11,050.0	2.54	249.30	11,043.2	-7.0	-307.7	16.4	0.28	0.20	4.36
11,075.0	2.47	255.58	11,068.1	-7.3	-308.8	16.1	1.13	-0.28	25.12
11,100.0	2.29	284.44	11,093.1	-7.4	-309.8	16.2	4.79	-0.72	115.44
11,125.0	2.46	296.04	11,118.1	-7.0	-310.7	16.6	2.04	0.68	46.40
11,150.0	2.47	296.86	11,143.1	-6.5	-311.7	17.2	0.15	0.04	3.28
11,175.0	2.46	299.75	11,168.0	-6.0	-312.6	17.8	0.50	-0.04	11.56
11,200.0	2.19	301.47	11,193.0	-5.5	-313.5	18.3	1.12	-1.08	6.88
11,225.0	2.01	302.25	11,218.0	-5.0	-314.3	18.9	0.73	-0.72	3.12
11,250.0	1.99	301.55	11,243.0	-4.5	-315.0	19.4	0.13	-0.08	-2.80
11,275.0	1.94	301.69	11,268.0	-4.1	-315.8	19.9	0.20	-0.20	0.56
11,325.0	1.89	297.86	11,318.0	-3.3	-317.2	20.8	0.27	-0.10	-7.66
11,350.0	1.84	298.56	11,342.9	-2.9	-317.9	21.3	0.22	-0.20	2.80

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 #704H
Wellbore: OWB
Design: AWB

Local Co-ordinate Reference: Well Dominator 25 Federal Com #704H
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)
11,375.0	1.67	291.67	11,367.9	-2.6	-318.6	21.6	1.08	-0.68	-27.56
11,400.0	1.57	285.60	11,392.9	-2.3	-319.3	21.9	0.79	-0.40	-24.28
11,425.0	1.55	279.94	11,417.9	-2.2	-319.9	22.1	0.62	-0.08	-22.64
11,450.0	1.50	276.24	11,442.9	-2.1	-320.6	22.3	0.44	-0.20	-14.80
11,475.0	1.29	268.66	11,467.9	-2.1	-321.2	22.3	1.12	-0.84	-30.32
11,500.0	1.15	259.27	11,492.9	-2.1	-321.7	22.3	0.97	-0.56	-37.56
11,525.0	1.12	250.83	11,517.9	-2.2	-322.2	22.2	0.68	-0.12	-33.76
11,550.0	1.13	250.59	11,542.9	-2.4	-322.7	22.1	0.04	0.04	-0.96
11,575.0	1.11	257.83	11,567.9	-2.5	-323.1	22.0	0.57	-0.08	28.96
11,600.0	1.14	265.72	11,592.9	-2.6	-323.6	22.0	0.63	0.12	31.56
11,625.0	1.12	273.33	11,617.9	-2.6	-324.1	22.0	0.61	-0.08	30.44
11,650.0	1.23	284.62	11,642.9	-2.5	-324.6	22.1	1.02	0.44	45.16
11,675.0	1.38	290.58	11,667.9	-2.3	-325.2	22.4	0.81	0.60	23.84
11,700.0	1.52	294.49	11,692.8	-2.1	-325.8	22.6	0.69	0.56	15.64
11,725.0	1.74	295.66	11,717.8	-1.8	-326.4	23.0	0.89	0.88	4.68
11,750.0	2.02	295.01	11,742.8	-1.4	-327.1	23.4	1.12	1.12	-2.60
TIE ON TO SDI GYRO									
11,897.0	1.63	284.80	11,889.7	0.2	-331.5	25.3	0.34	-0.27	-6.95
11,944.0	1.73	288.19	11,936.7	0.6	-332.8	25.8	0.30	0.21	7.21
11,991.0	1.61	304.53	11,983.7	1.2	-334.0	26.5	1.04	-0.26	34.77
12,038.0	1.68	309.41	12,030.7	2.0	-335.1	27.4	0.33	0.15	10.38
12,085.0	1.19	307.16	12,077.7	2.7	-336.0	28.2	1.05	-1.04	-4.79
12,180.0	1.10	294.61	12,172.7	3.7	-337.7	29.3	0.28	-0.09	-13.21
12,275.0	1.38	235.21	12,267.6	3.4	-339.4	29.2	1.32	0.29	-62.53
12,322.0	2.07	301.61	12,314.6	3.5	-340.6	29.4	4.20	1.47	141.28
12,370.0	7.84	346.18	12,362.4	7.2	-342.1	33.1	13.60	12.02	92.85
12,417.0	15.68	355.60	12,408.4	16.6	-343.4	42.7	17.12	16.68	20.04
12,465.0	22.95	5.15	12,453.7	32.4	-343.0	58.4	16.47	15.15	19.90
12,505.5	28.44	5.67	12,490.2	49.9	-341.4	75.7	13.56	13.55	1.29
FTP @ 12505.5'MD, 330'FSL & 370'FEL									
12,512.0	29.32	5.74	12,495.9	53.0	-341.1	78.8	13.56	13.56	1.03
12,560.0	34.19	6.13	12,536.7	78.2	-338.5	103.6	10.15	10.15	0.81
12,607.0	37.36	4.08	12,574.8	105.5	-336.0	130.7	7.21	6.74	-4.36
12,653.0	42.26	0.13	12,610.1	134.9	-335.0	160.0	11.98	10.65	-8.59
12,700.0	47.94	358.13	12,643.3	168.2	-335.5	193.2	12.45	12.09	-4.26
12,749.0	54.86	0.17	12,673.8	206.5	-336.1	231.4	14.49	14.12	4.16
12,796.0	59.41	358.11	12,699.3	245.9	-336.7	270.8	10.36	9.68	-4.38
12,844.0	66.18	359.70	12,721.3	288.6	-337.5	313.4	14.41	14.10	3.31
12,891.0	72.88	1.92	12,737.7	332.6	-336.8	357.2	14.93	14.26	4.72
12,939.0	75.94	1.20	12,750.6	378.8	-335.6	403.2	6.54	6.38	-1.50
12,986.0	77.77	1.21	12,761.3	424.6	-334.6	448.7	3.89	3.89	0.02
13,034.0	85.57	359.58	12,768.2	472.0	-334.3	496.0	16.59	16.25	-3.40
13,057.0	89.13	358.83	12,769.3	495.0	-334.6	519.0	15.82	15.48	-3.26
13,152.0	92.30	0.47	12,768.1	590.0	-335.2	613.7	3.76	3.34	1.73



Intrepid Survey Report



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Project: Lea County, NM (NAD 27 NME)
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Well: Dominator 25 Federal Com #704H
Wellbore: OWB
Design: AWB

Local Co-ordinate Reference: Well Dominator 25 Federal Com #704H
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)
13,248.0	91.48	1.71	12,765.0	685.9	-333.4	709.2	1.55	-0.85	1.29
13,342.0	88.05	358.47	12,765.3	779.9	-333.2	802.9	5.02	-3.65	-3.45
13,437.0	88.82	359.41	12,767.9	874.8	-335.0	897.7	1.28	0.81	0.99
13,532.0	88.42	359.15	12,770.2	969.8	-336.2	992.5	0.50	-0.42	-0.27
13,627.0	89.68	1.69	12,771.8	1,064.7	-335.5	1,087.1	2.98	1.33	2.67
13,722.0	88.64	358.97	12,773.2	1,159.7	-334.9	1,181.8	3.06	-1.09	-2.86
13,817.0	88.92	1.07	12,775.2	1,254.7	-334.9	1,276.5	2.23	0.29	2.21
13,912.0	91.39	3.89	12,775.0	1,349.6	-330.8	1,370.8	3.95	2.60	2.97
14,006.0	90.71	359.95	12,773.2	1,443.5	-327.6	1,464.2	4.25	-0.72	-4.19
14,101.0	90.36	359.64	12,772.3	1,538.5	-328.0	1,559.0	0.49	-0.37	-0.33
14,196.0	91.40	359.41	12,770.9	1,633.5	-328.8	1,653.7	1.12	1.09	-0.24
14,290.0	91.06	0.32	12,768.9	1,727.5	-329.0	1,747.4	1.03	-0.36	0.97
14,385.0	88.87	358.06	12,768.9	1,822.4	-330.3	1,842.3	3.31	-2.31	-2.38
14,480.0	90.73	0.30	12,769.3	1,917.4	-331.7	1,937.1	3.06	1.96	2.36
14,576.0	88.77	357.68	12,769.7	2,013.4	-333.4	2,032.9	3.41	-2.04	-2.73
14,671.0	87.85	358.79	12,772.5	2,108.3	-336.3	2,127.7	1.52	-0.97	1.17
14,766.0	86.92	357.52	12,776.8	2,203.1	-339.4	2,222.5	1.66	-0.98	-1.34
14,861.0	88.60	357.71	12,780.5	2,298.0	-343.3	2,317.4	1.78	1.77	0.20
14,955.0	90.94	357.57	12,780.9	2,391.9	-347.2	2,411.4	2.49	2.49	-0.15
15,050.0	92.21	357.70	12,778.3	2,486.8	-351.1	2,506.3	1.34	1.34	0.14
15,144.0	92.22	358.32	12,774.7	2,580.6	-354.4	2,600.1	0.66	0.01	0.66
15,240.0	90.72	354.53	12,772.2	2,676.4	-360.3	2,696.0	4.24	-1.56	-3.95
15,334.0	89.99	358.05	12,771.6	2,770.2	-366.4	2,790.0	3.82	-0.78	3.74
15,429.0	89.63	1.43	12,771.9	2,865.2	-366.9	2,884.8	3.58	-0.38	3.56
15,523.0	90.36	1.92	12,771.9	2,959.1	-364.1	2,978.2	0.94	0.78	0.52
15,617.0	90.67	2.11	12,771.1	3,053.1	-360.8	3,071.7	0.39	0.33	0.20
15,712.0	88.97	2.02	12,771.4	3,148.0	-357.4	3,166.1	1.79	-1.79	-0.09
15,806.0	89.02	0.24	12,773.0	3,242.0	-355.5	3,259.6	1.89	0.05	-1.89
15,901.0	91.24	358.91	12,772.8	3,337.0	-356.2	3,354.4	2.72	2.34	-1.40
15,996.0	91.18	0.84	12,770.8	3,431.9	-356.4	3,449.1	2.03	-0.06	2.03
16,091.0	92.75	4.95	12,767.6	3,526.7	-351.6	3,543.3	4.63	1.65	4.33
16,186.0	87.37	358.62	12,767.5	3,621.6	-348.7	3,637.6	8.74	-5.66	-6.66
16,282.0	86.97	358.95	12,772.2	3,717.5	-350.7	3,733.4	0.54	-0.42	0.34
16,377.0	87.37	358.12	12,776.9	3,812.3	-353.2	3,828.1	0.97	0.42	-0.87
16,472.0	89.64	357.81	12,779.4	3,907.2	-356.5	3,923.0	2.41	2.39	-0.33
16,566.0	92.35	359.18	12,777.7	4,001.2	-359.0	4,016.9	3.23	2.88	1.46
16,660.0	93.71	359.12	12,772.8	4,095.0	-360.4	4,110.6	1.45	1.45	-0.06
16,755.0	93.87	0.01	12,766.5	4,189.8	-361.1	4,205.1	0.95	0.17	0.94
16,850.0	92.42	358.54	12,761.3	4,284.7	-362.3	4,299.8	2.17	-1.53	-1.55
16,946.0	90.29	358.98	12,759.0	4,380.6	-364.4	4,395.6	2.27	-2.22	0.46
17,041.0	91.08	1.27	12,757.9	4,475.6	-364.2	4,490.3	2.55	0.83	2.41
17,136.0	91.91	3.17	12,755.4	4,570.5	-360.5	4,584.7	2.18	0.87	2.00
17,229.2	91.26	4.69	12,752.8	4,663.4	-354.1	4,676.8	1.77	-0.70	1.63

Company: Concho Resources, Inc.
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Design: AWB

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

Survey

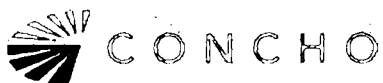
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
LTP @ 17229.2'MD, 330°FNL & 349°FEL									
17,230.0	91.25	4.70	12,752.8	4,664.2	-354.0	4,677.6	1.77	-0.70	1.63
17,299.0	91.70	7.70	12,751.0	4,732.8	-346.6	4,745.4	4.40	0.65	4.35
LAST SVY									
17,359.0	91.70	7.70	12,749.2	4,792.2	-338.6	4,804.1	0.00	0.00	0.00
Projection to TD @ 17359'MD, 201°FNL & 332°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	0.00	12,760.0	4,793.4	-365.0	403,989.90	751,068.70	32° 6' 29.119 N	103° 31' 20.927 W
- actual wellpath misses target center by 28.4usft at 17356.3usft MD (12749.3 TVD, 4789.6 N, -338.9 E)									
- Point									
LTP (Dominator 25 Fe	-0.20	359.58	12,760.5	4,663.3	-364.1	403,859.84	751,069.56	32° 6' 27.832 N	103° 31' 20.928 W
- actual wellpath misses target center by 12.6usft at 17228.2usft MD (12752.8 TVD, 4662.4 N, -354.2 E)									
- Rectangle (sides W60.0 H4,616.5 D30.0)									
FTP (Dominator 25 Fe	0.00	0.00	12,775.0	47.0	-330.3	399,243.49	751,103.35	32° 5' 42.148 N	103° 31' 20.939 W
- actual wellpath misses target center by 179.1usft at 12700.0usft MD (12643.3 TVD, 168.2 N, -335.5 E)									
- Point									

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
1,157.1	1,157.0	Rustler			
1,558.2	1,558.0	TOS			
5,120.1	5,118.0	BOS (Fletcher)			
5,238.3	5,236.0	LMAR (Top Delaware)			
5,280.3	5,278.0	BLCN			
6,280.4	6,277.0	CYCN			
7,862.0	7,857.0	BYCN			
9,328.9	9,323.0	Bone Sprg (BSGL)			
9,402.9	9,397.0	U Avalon Sh			
10,014.1	10,008.0	L Avalon Sh			
10,164.2	10,158.0	B Avalon Sh			
10,361.4	10,355.0	FBSG_sand			
10,879.7	10,873.0	SBSG_sand			
11,400.1	11,393.0	SBSG_sand_Base			
12,004.3	11,997.0	TBSG_sand			
12,394.9	12,387.0	WFMP			



Intrepid
Survey Report



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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)	
11,750.0	11,742.8	-1.4	-327.1	TIE ON TO SDI GYRO
12,505.5	12,490.2	49.9	-341.4	FTP @ 12505.5'MD, 330'FSL & 370'FEL
17,229.2	12,752.8	4,663.4	-354.1	LTP @ 17229.2'MD, 330'FNL & 349'FEL
17,299.0	12,751.0	4,732.8	-346.6	LAST SVY
17,359.0	12,749.2	4,792.2	-338.6	Projection to TD @ 17359'MD, 201'FNL & 332'FEL

Checked By: _____ Approved By: _____ Date: _____