

Devon Energy Corporation

HALLIBURTON | Sperry Drilling



Project: Lea County, NM (NAD 83)
Site: Taipan 10 State Com
Well: Taipan 10 State Com 1H
Wellbore: Wellbore #1
Plan: Plan #1
Rig: Original Well Elev

SURFACE LOCATION

US State Plane 1983
 New Mexico Eastern Zone
 Elevation: WELL @ 3725.40ft (Original Well Elev)
Northing **Easting** **Latitude** **Longitude**
 477932.27 778246.632° 18' 41.684 N 103° 33' 59.350 W

CASING DETAILS

No casing data is available

SECTION DETAILS

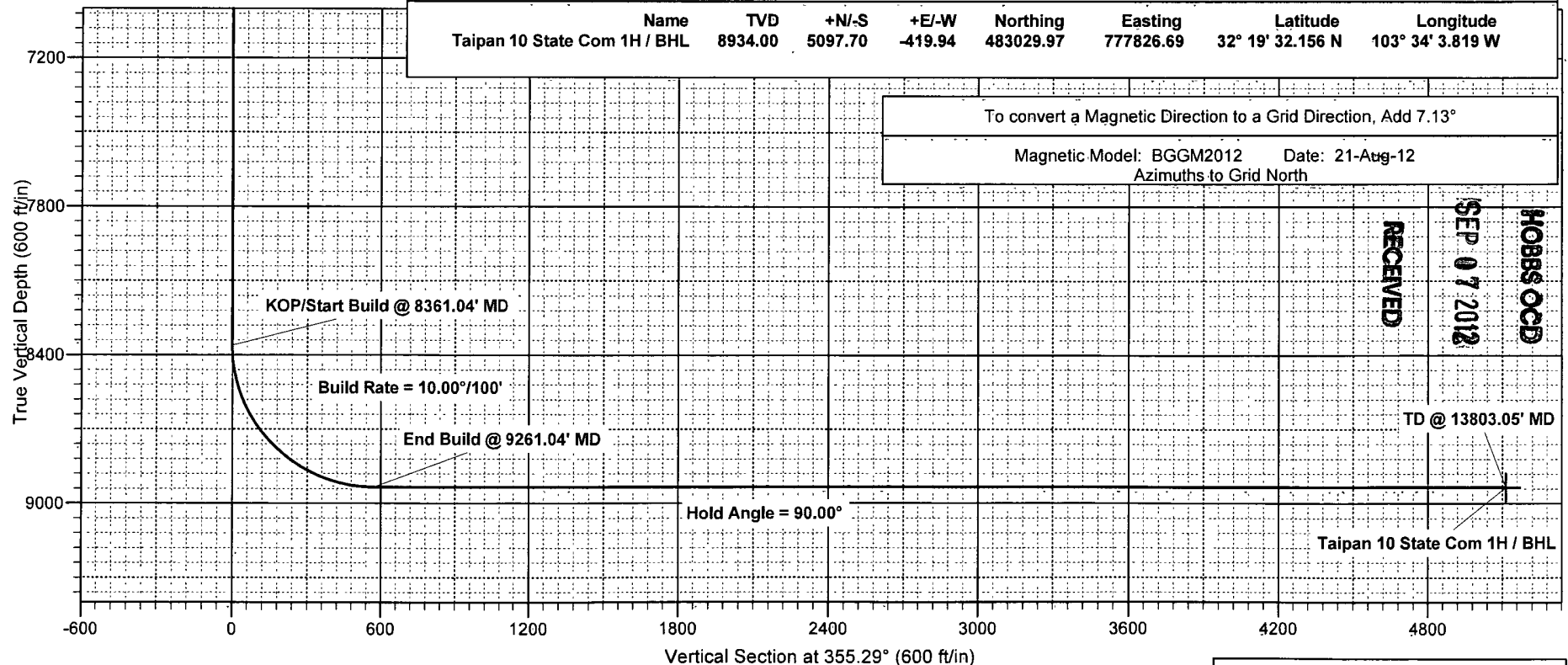
MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
8361.04	0.00	0.00	8361.04	0.00	0.00	0.00	0.00	0.00	KOP/Start Build
9261.04	90.00	355.29	8934.00	571.02	-47.04	10.00	355.29	572.96	End Build
13803.05	90.00	355.29	8934.00	5097.70	-419.94	0.00	0.00	5114.97	TD

WELLBORE TARGET DETAILS (MAP CO-ORDINATES AND LAT/LONG)

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
Taipan 10 State Com 1H / BHL	8934.00	5097.70	-419.94	483029.97	777826.69	32° 19' 32.156 N	103° 34' 3.819 W

To convert a Magnetic Direction to a Grid Direction, Add 7.13°

Magnetic Model: BGGM2012 Date: 21-Aug-12
 Azimuths to Grid North



Created By Irma Lecumberry Date 14 47, August 22 2012

SEP 10 2012

30-025-40743

Project: Lea County, NM (NAD 83)
Site: Taipan 10 State Com
Well: Taipan 10 State Com 1H
Wellbore: Wellbore #1
Plan: Plan #1
Rig: Original Well Elev

SURFACE LOCATION

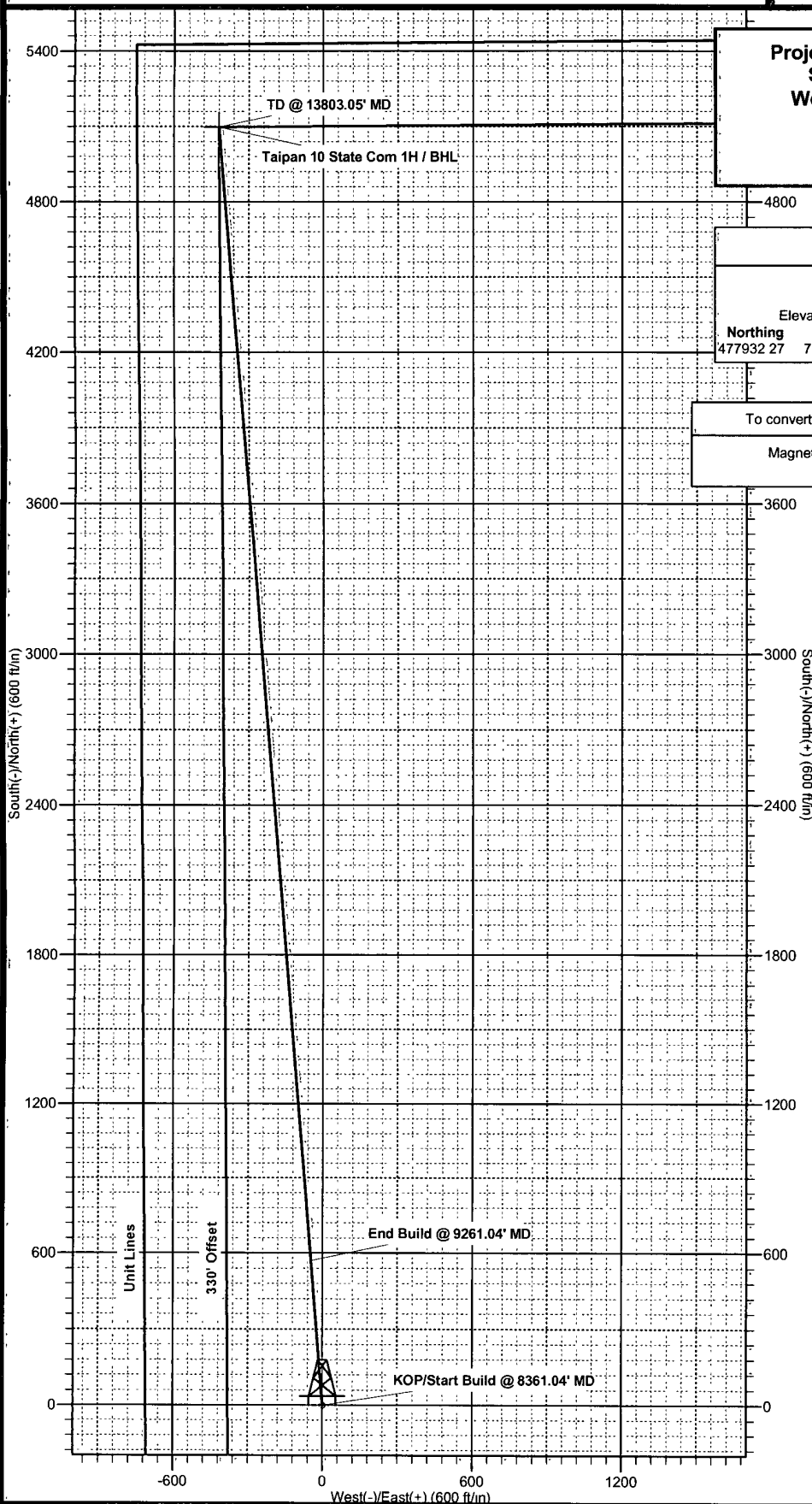
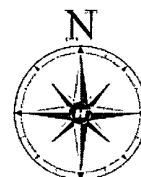
US State Plane 1983
 New Mexico Eastern Zone
 Elevation WELL @ 3725 40ft (Original Well Elev)

Northing	Easting	Latitude	Longitude
477932 27	778246 63	32° 18' 41 684 N	103° 33' 59 350 W

To convert a Magnetic Direction to a Grid Direction, Add 7 13°

Magnetic Model BGGM2012 Date 21-Aug-12
 Azimuths to Grid North

devon



Devon Energy Corporation

Lea County, NM (NAD 83)

Taipan 10 State Com

Taipan 10 State Com 1H

Wellbore #1

Plan: Plan #1

Sperry Drilling Services Proposal Report

22 August, 2012

Well Coordinates 477,932.27 N, 778,246.63 E (32° 18' 41.68" N, 103° 33' 59.35" W)
Ground Level 3,700.40 ft

Local Coordinate Origin	Centered on Well Taipan 10 State Com 1H
Viewing Datum	WELL @ 3725.40ft (Original Well Elev)
TVDs to System	N
North Reference	Gnd
Unit System	API - US Survey Feet

Version 2003.16 Build. 431

HALLIBURTON

Plan Report for Taipan 10 State Com 1H - Plan #1

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	Toolface Azimuth (°)
0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
8,361 04	0 00	0 00	8,361 04	0 00	0 00	0 00	0 00	0 00	0 00	0 00
KOP/Start Build @ 8361.04' MD										
8,361 05	0 00	355 29	8,361 05	0 00	0 00	0 00	0 00	0 00	0 00	355 29
Build Rate = 10.00°/100'										
8,400 00	3 90	355 29	8,399 97	1 32	-0 11	1 32	10 00	10 00	0 00	355 29
8,500 00	13 90	355 29	8,498 64	16 71	-1 38	16 77	10 00	10 00	0 00	0 00
8,600 00	23 90	355 29	8,593 13	48 95	-4 03	49 11	10 00	10 00	0 00	0 00
8,700 00	33 90	355 29	8,680 57	97 04	-7 99	97 37	10 00	10 00	0 00	0 00
8,800 00	43 90	355 29	8,758 30	159 54	-13 14	160 08	10 00	10 00	0 00	0 00
8,900 00	53 90	355 29	8,823 96	234 54	-19 32	235 34	10 00	10 00	0 00	0 00
9,000 00	63 90	355 29	8,875 56	319 77	-26 34	320 85	10 00	10 00	0 00	0 00
9,100 00	73 90	355 29	8,911 52	412 63	-33 99	414 03	10 00	10 00	0 00	0 00
9,200 00	83 90	355 29	8,930 75	510 30	-42 04	512 03	10 00	10 00	0 00	0 00
9,261 04	90 00	355 29	8,934 00	571 02	-47 04	572 96	10 00	10 00	0 00	0 00
End Build @ 9261.04' MD - Hold Angle = 90.00°										
9,300 00	90 00	355 29	8,934 00	609 85	-50 24	611 92	0 00	0 00	0 00	0 00
9,400 00	90 00	355 29	8,934 00	709 51	-58 45	711 92	0 00	0 00	0 00	0 00
9,500 00	90 00	355 29	8,934 00	809 17	-66 66	811 92	0 00	0 00	0 00	0 00
9,600 00	90 00	355 29	8,934 00	908 84	-74 87	911 92	0 00	0 00	0 00	0 00
9,700 00	90 00	355 29	8,934 00	1,008 50	-83 08	1,011 92	0 00	0 00	0 00	0 00
9,800 00	90 00	355 29	8,934 00	1,108 16	-91 29	1,111 92	0 00	0 00	0 00	0 00
9,900 00	90 00	355 29	8,934 00	1,207 82	-99.50	1,211 92	0 00	0 00	0 00	0 00
10,000 00	90 00	355 29	8,934 00	1,307 49	-107 71	1,311 92	0 00	0 00	0 00	0 00
10,100 00	90 00	355 29	8,934 00	1,407 15	-115 92	1,411 92	0 00	0 00	0 00	0 00
10,200 00	90 00	355 29	8,934 00	1,506 81	-124 13	1,511 92	0 00	0 00	0 00	0 00
10,300 00	90 00	355 29	8,934 00	1,606 47	-132 34	1,611 92	0 00	0 00	0 00	0 00
10,400 00	90 00	355 29	8,934 00	1,706 14	-140 55	1,711 92	0 00	0 00	0 00	0 00
10,500 00	90 00	355 29	8,934 00	1,805 80	-148 76	1,811 92	0 00	0 00	0 00	0 00
10,600 00	90 00	355 29	8,934 00	1,905 46	-156 97	1,911 92	0 00	0 00	0 00	0 00
10,700 00	90 00	355 29	8,934 00	2,005 12	-165 18	2,011 92	0 00	0 00	0 00	0 00
10,800 00	90 00	355 29	8,934 00	2,104 79	-173 39	2,111 92	0 00	0 00	0 00	0 00
10,900 00	90 00	355 29	8,934 00	2,204 45	-181 60	2,211 92	0 00	0 00	0 00	0 00
11,000 00	90 00	355 29	8,934 00	2,304 11	-189 81	2,311 92	0 00	0 00	0 00	0 00
11,100 00	90 00	355 29	8,934 00	2,403 77	-198 02	2,411 92	0 00	0 00	0 00	0 00
11,200 00	90 00	355 29	8,934 00	2,503 44	-206 23	2,511 92	0 00	0 00	0 00	0 00
11,300 00	90 00	355 29	8,934 00	2,603 10	-214 44	2,611 92	0 00	0 00	0 00	0 00
11,400 00	90 00	355 29	8,934 00	2,702 76	-222 65	2,711 92	0 00	0 00	0 00	0 00
11,500 00	90 00	355 29	8,934 00	2,802 42	-230 86	2,811 92	0 00	0 00	0 00	0 00
11,600 00	90 00	355 29	8,934 00	2,902 09	-239 07	2,911 92	0 00	0 00	0 00	0 00
11,700 00	90 00	355 29	8,934 00	3,001 75	-247 28	3,011 92	0 00	0 00	0 00	0 00
11,800 00	90 00	355 29	8,934 00	3,101 41	-255 49	3,111 92	0 00	0 00	0 00	0 00
11,900 00	90 00	355 29	8,934 00	3,201 07	-263 70	3,211 92	0 00	0 00	0 00	0 00
12,000 00	90 00	355 29	8,934 00	3,300 73	-271 91	3,311 92	0 00	0 00	0 00	0 00
12,100 00	90 00	355 29	8,934 00	3,400 40	-280 12	3,411 92	0 00	0 00	0 00	0 00
12,200 00	90 00	355 29	8,934 00	3,500 06	-288 33	3,511 92	0 00	0 00	0 00	0 00
12,300 00	90 00	355 29	8,934 00	3,599 72	-296 54	3,611 92	0 00	0 00	0 00	0 00
12,400 00	90 00	355 29	8,934 00	3,699 38	-304 75	3,711 92	0 00	0 00	0 00	0 00
12,500 00	90 00	355 29	8,934 00	3,799 05	-312 96	3,811 92	0 00	0 00	0 00	0 00
12,600 00	90 00	355 29	8,934 00	3,898 71	-321 17	3,911 92	0 00	0 00	0 00	0 00
12,700 00	90 00	355 29	8,934 00	3,998 37	-329 38	4,011 92	0 00	0 00	0 00	0 00
12,800 00	90 00	355 29	8,934 00	4,098 03	-337 59	4,111 92	0 00	0 00	0 00	0 00
12,900 00	90 00	355 29	8,934 00	4,197 70	-345 80	4,211 92	0 00	0 00	0 00	0 00
13,000 00	90 00	355 29	8,934 00	4,297 36	-354 01	4,311 92	0 00	0 00	0 00	0 00
13,100 00	90 00	355 29	8,934 00	4,397 02	-362 22	4,411 92	0 00	0 00	0 00	0 00
13,200 00	90 00	355 29	8,934 00	4,496 68	-370 43	4,511 92	0 00	0 00	0 00	0 00
13,300 00	90 00	355 29	8,934 00	4,596 35	-378 64	4,611 92	0 00	0 00	0 00	0 00
13,400 00	90 00	355 29	8,934 00	4,696 01	-386 85	4,711 92	0 00	0 00	0 00	0 00

Plan Report for Taipan 10 State Com 1H - Plan #1

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	Toolface Azimuth (°)
13,500.00	90.00	355.29	8,934.00	4,795.67	-395.06	4,811.92	0.00	0.00	0.00	0.00
13,600.00	90.00	355.29	8,934.00	4,895.33	-403.27	4,911.92	0.00	0.00	0.00	0.00
13,700.00	90.00	355.29	8,934.00	4,995.00	-411.48	5,011.92	0.00	0.00	0.00	0.00
13,800.00	90.00	355.29	8,934.00	5,094.66	-419.69	5,111.92	0.00	0.00	0.00	0.00
13,803.05	90.00	355.29	8,934.00	5,097.70	-419.94	5,114.97	0.00	0.00	0.00	0.00

Taipan 10 State Com 1H / BHL

Plan Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates +N/-S (ft)	+E/-W (ft)	Comment
8,361.04	8,361.04	0.00	0.00	KOP/Start Build @ 8361.04' MD
8,361.05	8,361.05	0.00	0.00	Build Rate = 10.00°/100'
9,261.04	8,934.00	571.02	-47.04	End Build @ 9261.04' MD
9,261.04	8,934.00	571.02	-47.04	Hold Angle = 90.00°
13,803.05	8,934.00	5,097.70	-419.94	TD @ 13803.05' MD

Vertical Section Information

Angle Type	Target	Azimuth (°)	Origin Type	Origin +N/-S (ft)	+E/-W (ft)	Start TVD (ft)
TD	No Target (Freehand)	355.29	Slot	0.00	0.00	0.00

Survey tool program

From (ft)	To (ft)	Survey/Plan	Survey Tool
0.00	13,803.05	Plan #1	MWD

Targets associated with this wellbore

Target Name	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Shape
Taipan 10 State Com 1H / BHL	8,934.00	5,097.70	-419.94	Point

North Reference Sheet for Taipan 10 State Com - Taipan 10 State Com 1H - Wellbore #1

All data is in US Feet unless otherwise stated. Directions and Coordinates are relative to Grid North Reference.

Vertical Depths are relative to WELL @ 3725 40ft (Original Well Elev). Northing and Easting are relative to Taipan 10 State Com 1H

Coordinate System is US State Plane 1983, New Mexico Eastern Zone using datum North American Datum 1983, ellipsoid GRS 1980

Projection method is Transverse Mercator (Gauss-Kruger)

Central Meridian is -104 33°, Longitude Origin: 0° 0' 0 000 E°, Latitude Origin 0° 0' 0 000 N°

False Easting 541,337 50ft, False Northing 0 00ft, Scale Reduction 0 99997336

Grid Coordinates of Well 477,932 27 ft N, 778,246 63 ft E

Geographical Coordinates of Well 32° 18' 41 68" N, 103° 33' 59 35" W

Grid Convergence at Surface is 0 41°

Based upon Minimum Curvature type calculations, at a Measured Depth of 13,803 05ft

the Bottom Hole Displacement is 5,114 97ft in the Direction of 355 29° (Grid)

Magnetic Convergence at surface is -7 13° (21 August 2012, , BGGM2012)

