



EOG Resources - Midland

Eddy County, NM (NAD 83 NME)
(War Dog) Sec35_T-16-S_R-27-E
War Dog State #1H

OWB

Design: AWB

Standard Survey Report

30 April, 2019

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JUN 17 2019

DISTRICT II-ARTESIA O.C.D.

INTREPID

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well War Dog State #1H
Project:	Eddy County, NM (NAD 83 NME)	TVD Reference:	KB @ 3444.5usft (Trinidad 436)
Site:	(War Dog) Sec35_T-16-S_R-27-E	MD Reference:	KB @ 3444.5usft (Trinidad 436)
Well:	War Dog State #1H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	AWB	Database:	EDM 10_13

Project	Eddy County, NM (NAD 83 NME)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site	(War Dog) Sec35_T-16-S_R-27-E		
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Site Position:		Northing:	681,870.00 usft	Latitude:	32° 52' 28.044 N
From:	Map	Easting:	565,543.00 usft	Longitude:	104° 15' 16.166 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.04 °

Well	War Dog State #1H		
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Well Position	+N/-S	0.0 usft	Northing:	681,870.00 usft	Latitude:	32° 52' 28.044 N
	+E/-W	0.0 usft	Easting:	565,543.00 usft	Longitude:	104° 15' 16.166 W
Position Uncertainty	0.0 usft	Wellhead Elevation:	usft	Ground Level:	3,428.0 usft	

Wellbore	OWB		
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Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	04/08/2019	7.13	60.52	48,062.91962209

Design	AWB		
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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	269.87

Survey Program		Date	04/30/2019		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
103.5	1,077.5	Invictus MWD (OWB)	MWD	MWD - Standard	
1,212.0	11,823.0	Intrepid MWD (OWB)	MWD	MWD - Standard	

Survey			
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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)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
103.5	0.20	343.14	103.5	0.2	-0.1	0.1	0.19	0.19	0.00
181.5	0.40	326.14	181.5	0.5	-0.2	0.2	0.28	0.26	-21.79
213.5	0.10	65.14	213.5	0.6	-0.3	0.3	1.34	-0.94	309.38
244.5	0.30	306.14	244.5	0.7	-0.3	0.3	1.16	0.65	-383.87
275.5	0.30	249.14	275.5	0.7	-0.5	0.5	0.92	0.00	-183.87
306.5	0.20	234.14	306.5	0.7	-0.6	0.6	0.38	-0.32	-48.39
338.5	0.40	308.14	338.5	0.7	-0.7	0.7	1.23	0.63	231.25
369.5	0.40	338.14	369.5	0.9	-0.8	0.8	0.67	0.00	96.77
400.5	0.20	228.14	400.5	0.9	-0.9	0.9	1.63	-0.65	-354.84

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Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	AWB	Database:	EDM 10_13

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)
432.5	0.40	335.14	432.5	1.0	-1.0	1.0	1.55	0.63	334.38
463.5	0.40	309.14	463.5	1.1	-1.1	1.1	0.58	0.00	-83.87
495.5	0.30	261.14	495.5	1.2	-1.3	1.3	0.93	-0.31	-150.00
526.5	0.30	342.14	526.5	1.3	-1.4	1.4	1.26	0.00	261.29
557.5	0.10	20.14	557.5	1.4	-1.4	1.4	0.74	-0.65	122.58
620.5	0.40	332.14	620.5	1.6	-1.5	1.5	0.54	0.48	-76.19
652.5	0.20	66.14	652.5	1.7	-1.5	1.5	1.44	-0.63	293.75
683.5	0.50	16.14	683.5	1.9	-1.4	1.4	1.30	0.97	-161.29
715.5	0.60	20.14	715.5	2.2	-1.3	1.3	0.33	0.31	12.50
746.5	0.60	23.14	746.5	2.5	-1.2	1.2	0.10	0.00	9.68
778.5	0.60	5.14	778.5	2.8	-1.1	1.1	0.59	0.00	-56.25
809.5	0.30	38.14	809.5	3.0	-1.1	1.1	1.24	-0.97	106.45
841.5	0.50	21.14	841.5	3.2	-1.0	1.0	0.72	0.63	-53.13
872.5	0.30	53.14	872.5	3.4	-0.9	0.8	0.94	-0.65	103.23
902.5	0.10	326.14	902.5	3.5	-0.8	0.8	1.04	-0.67	-290.00
934.5	0.30	52.14	934.5	3.5	-0.8	0.7	0.97	0.63	268.75
965.5	0.50	7.14	965.5	3.7	-0.7	0.7	1.15	0.65	-145.16
996.5	0.50	74.14	996.5	3.9	-0.5	0.5	1.78	0.00	216.13
1,027.5	0.30	86.14	1,027.5	3.9	-0.3	0.3	0.70	-0.65	38.71
1,058.5	0.40	31.14	1,058.5	4.0	-0.2	0.2	1.08	0.32	-177.42
1,077.5	0.40	45.14	1,077.5	4.1	-0.1	0.1	0.51	0.00	73.68
TIE ON									
1,212.0	0.18	353.11	1,212.0	4.7	0.2	-0.2	0.24	-0.16	-38.68
1,402.0	0.35	330.52	1,402.0	5.5	-0.1	0.1	0.10	0.09	-11.89
1,590.0	0.40	304.94	1,590.0	6.4	-0.9	0.9	0.09	0.03	-13.61
1,779.0	0.57	296.59	1,779.0	7.2	-2.3	2.3	0.10	0.09	-4.42
1,967.0	0.53	301.87	1,967.0	8.0	-3.9	3.9	0.03	-0.02	2.81
2,157.0	0.57	304.94	2,156.9	9.0	-5.4	5.4	0.03	0.02	1.62
2,345.0	0.53	305.47	2,344.9	10.1	-6.9	6.9	0.02	-0.02	0.28
2,534.0	0.53	298.53	2,533.9	11.0	-8.4	8.3	0.03	0.00	-3.67
2,723.0	0.48	301.95	2,722.9	11.8	-9.8	9.8	0.03	-0.03	1.81
2,912.0	0.53	308.28	2,911.9	12.8	-11.2	11.1	0.04	0.03	3.35
3,101.0	0.57	302.92	3,100.9	13.9	-12.6	12.6	0.03	0.02	-2.84
3,289.0	0.57	298.96	3,288.9	14.8	-14.2	14.2	0.02	0.00	-2.11
3,478.0	0.57	310.04	3,477.9	15.9	-15.8	15.7	0.06	0.00	5.86
3,667.0	0.57	290.88	3,666.9	16.8	-17.4	17.3	0.10	0.00	-10.14
3,856.0	0.53	288.33	3,855.9	17.4	-19.1	19.0	0.02	-0.02	-1.35
4,044.0	0.48	272.16	4,043.9	17.7	-20.7	20.7	0.08	-0.03	-8.60
4,233.0	0.44	265.92	4,232.9	17.7	-22.2	22.2	0.03	-0.02	-3.30
4,422.0	0.57	273.83	4,421.9	17.7	-23.9	23.8	0.08	0.07	4.19
4,611.0	0.66	282.27	4,610.8	18.0	-25.9	25.8	0.07	0.05	4.47
4,800.0	0.66	286.84	4,799.8	18.6	-28.0	27.9	0.03	0.00	2.42
4,968.0	0.31	281.91	4,967.8	18.9	-29.4	29.3	0.21	-0.21	-2.93

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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)
5,157.0	0.62	224.43	5,156.8	18.3	-30.6	30.5	0.28	0.16	-30.41
5,345.0	0.35	175.83	5,344.8	17.0	-31.2	31.2	0.25	-0.14	-25.85
5,534.0	0.75	161.42	5,533.8	15.3	-30.8	30.8	0.22	0.21	-7.62
5,597.0	0.62	201.14	5,596.8	14.6	-30.8	30.8	0.76	-0.21	63.05
5,660.0	5.32	251.43	5,659.7	13.3	-33.7	33.7	7.85	7.46	79.83
5,722.0	10.86	250.45	5,721.1	10.4	-41.9	41.9	8.94	8.94	-1.58
5,785.0	16.97	249.92	5,782.2	5.3	-56.2	56.2	9.70	9.70	-0.84
5,848.0	22.51	257.13	5,841.5	-0.6	-76.6	76.6	9.59	8.79	11.44
5,911.0	29.32	261.26	5,898.1	-5.6	-103.6	103.6	11.18	10.81	6.56
5,974.0	34.24	260.73	5,951.6	-10.8	-136.4	136.4	7.82	7.81	-0.84
6,039.0	40.66	262.67	6,003.2	-16.4	-175.5	175.5	10.04	9.88	2.98
6,102.0	50.51	266.88	6,047.3	-20.4	-220.2	220.3	16.34	15.63	6.68
6,164.0	64.31	267.32	6,080.6	-23.0	-272.3	272.3	22.27	22.26	0.71
6,212.0	75.08	265.21	6,097.2	-26.0	-317.1	317.2	22.81	22.44	-4.40
6,258.0	84.18	266.18	6,105.5	-29.4	-362.2	362.2	19.89	19.78	2.11
6,289.0	85.41	266.80	6,108.3	-31.3	-393.0	393.1	4.44	3.97	2.00
6,353.0	89.01	267.59	6,111.4	-34.4	-456.8	456.9	5.76	5.63	1.23
6,416.0	90.68	268.20	6,111.6	-36.7	-519.8	519.9	2.82	2.65	0.97
6,479.0	90.99	270.93	6,110.7	-37.2	-582.8	582.9	4.36	0.49	4.33
6,497.5	91.49	271.52	6,110.3	-36.8	-601.3	601.3	4.20	2.72	3.20
FTP @ 6497.5' MD, 100' FEL, 396' FNL									
6,542.0	92.70	272.95	6,108.6	-35.0	-645.7	645.8	4.20	2.71	3.21
6,605.0	92.88	273.04	6,105.6	-31.8	-708.5	708.6	0.32	0.29	0.14
6,667.0	93.19	273.12	6,102.3	-28.4	-770.4	770.4	0.52	0.50	0.13
6,730.0	93.63	273.21	6,098.5	-25.0	-833.2	833.2	0.71	0.70	0.14
6,793.0	95.30	273.83	6,093.6	-21.1	-895.8	895.9	2.83	2.65	0.98
6,856.0	95.52	273.83	6,087.7	-16.9	-958.4	958.5	0.35	0.35	0.00
6,919.0	92.22	273.39	6,083.4	-13.0	-1,021.1	1,021.2	5.28	-5.24	-0.70
6,982.0	89.98	273.21	6,082.2	-9.3	-1,084.0	1,084.0	3.57	-3.56	-0.29
7,045.0	89.98	273.12	6,082.3	-5.9	-1,146.9	1,146.9	0.14	0.00	-0.14
7,108.0	90.15	272.95	6,082.2	-2.5	-1,209.8	1,209.8	0.38	0.27	-0.27
7,171.0	91.34	271.37	6,081.4	-0.1	-1,272.8	1,272.8	3.14	1.89	-2.51
7,234.0	91.43	271.19	6,079.8	1.3	-1,335.8	1,335.7	0.32	0.14	-0.29
7,296.0	91.52	271.02	6,078.2	2.5	-1,397.7	1,397.7	0.31	0.15	-0.27
7,359.0	92.09	271.28	6,076.3	3.7	-1,460.7	1,460.7	0.99	0.90	0.41
7,422.0	90.02	271.10	6,075.1	5.0	-1,523.6	1,523.6	3.30	-3.29	-0.29
7,485.0	88.92	271.63	6,075.7	6.5	-1,586.6	1,586.6	1.94	-1.75	0.84
7,549.0	89.05	271.81	6,076.8	8.5	-1,650.6	1,650.6	0.35	0.20	0.28
7,612.0	89.63	272.07	6,077.5	10.6	-1,713.5	1,713.5	1.01	0.92	0.41
7,674.0	90.07	271.81	6,077.7	12.7	-1,775.5	1,775.5	0.82	0.71	-0.42
7,737.0	90.55	273.12	6,077.4	15.4	-1,838.4	1,838.4	2.21	0.76	2.08
7,800.0	91.03	271.81	6,076.5	18.1	-1,901.4	1,901.3	2.21	0.76	-2.08
7,863.0	91.56	272.25	6,075.1	20.3	-1,964.3	1,964.3	1.09	0.84	0.70
7,926.0	90.77	272.69	6,073.8	23.0	-2,027.3	2,027.2	1.44	-1.25	0.70

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7,988.0	91.38	272.33	6,072.6	25.8	-2,089.2	2,089.1	1.14	0.98	-0.58
8,051.0	89.80	271.54	6,072.0	27.9	-2,152.1	2,152.1	2.80	-2.51	-1.25
8,113.0	89.98	271.37	6,072.1	29.5	-2,214.1	2,214.1	0.40	0.29	-0.27
8,177.0	88.88	269.43	6,072.7	29.9	-2,278.1	2,278.0	3.48	-1.72	-3.03
8,240.0	89.41	269.79	6,073.7	29.5	-2,341.1	2,341.0	1.02	0.84	0.57
8,303.0	89.59	269.96	6,074.2	29.3	-2,404.1	2,404.0	0.39	0.29	0.27
8,366.0	89.93	269.79	6,074.5	29.2	-2,467.1	2,467.0	0.60	0.54	-0.27
8,430.0	91.82	268.82	6,073.5	28.4	-2,531.1	2,531.0	3.32	2.95	-1.52
8,492.0	92.31	268.91	6,071.3	27.2	-2,593.0	2,593.0	0.80	0.79	0.15
8,555.0	92.88	268.64	6,068.4	25.9	-2,656.0	2,655.9	1.00	0.90	-0.43
8,618.0	93.36	268.47	6,065.0	24.3	-2,718.8	2,718.8	0.81	0.76	-0.27
8,681.0	93.54	268.38	6,061.2	22.5	-2,781.7	2,781.6	0.32	0.29	-0.14
8,745.0	91.43	268.12	6,058.4	20.6	-2,845.6	2,845.6	3.32	-3.30	-0.41
8,808.0	92.09	267.85	6,056.5	18.4	-2,908.5	2,908.5	1.13	1.05	-0.43
8,870.0	90.68	268.38	6,055.0	16.3	-2,970.5	2,970.4	2.43	-2.27	0.85
8,933.0	90.55	270.22	6,054.3	15.6	-3,033.5	3,033.4	2.93	-0.21	2.92
8,996.0	88.35	270.58	6,054.9	16.0	-3,096.5	3,096.4	3.54	-3.49	0.57
9,059.0	88.22	270.75	6,056.8	16.7	-3,159.4	3,159.4	0.34	-0.21	0.27
9,122.0	88.62	270.75	6,058.5	17.6	-3,222.4	3,222.4	0.63	0.63	0.00
9,185.0	89.63	270.84	6,059.5	18.4	-3,285.4	3,285.3	1.61	1.60	0.14
9,248.0	90.02	270.66	6,059.7	19.3	-3,348.4	3,348.3	0.68	0.62	-0.29
9,311.0	91.21	270.40	6,059.0	19.8	-3,411.4	3,411.3	1.93	1.89	-0.41
9,374.0	92.57	269.61	6,056.9	19.9	-3,474.3	3,474.3	2.50	2.16	-1.25
9,437.0	93.14	269.43	6,053.8	19.3	-3,537.3	3,537.2	0.95	0.90	-0.29
9,500.0	91.65	269.35	6,051.2	18.7	-3,600.2	3,600.1	2.37	-2.37	-0.13
9,563.0	91.96	269.70	6,049.2	18.1	-3,663.2	3,663.1	0.74	0.49	0.56
9,626.0	90.86	269.87	6,047.6	17.9	-3,726.1	3,726.1	1.77	-1.75	0.27
9,688.0	91.38	269.96	6,046.4	17.8	-3,788.1	3,788.1	0.85	0.84	0.15
9,751.0	89.89	270.75	6,045.7	18.2	-3,851.1	3,851.1	2.68	-2.37	1.25
9,815.0	90.24	271.28	6,045.7	19.3	-3,915.1	3,915.1	0.99	0.55	0.83
9,878.0	90.59	269.52	6,045.2	19.8	-3,978.1	3,978.1	2.85	0.56	-2.79
9,940.0	91.52	269.61	6,044.1	19.3	-4,040.1	4,040.0	1.51	1.50	0.15
10,003.0	92.57	269.17	6,041.8	18.6	-4,103.1	4,103.0	1.81	1.67	-0.70
10,066.0	92.35	268.29	6,039.1	17.2	-4,166.0	4,165.9	1.44	-0.35	-1.40
10,129.0	92.31	268.91	6,036.5	15.7	-4,228.9	4,228.9	0.99	-0.06	0.98
10,191.0	91.34	269.26	6,034.6	14.7	-4,290.9	4,290.8	1.66	-1.56	0.56
10,255.0	90.95	269.52	6,033.3	14.0	-4,354.9	4,354.8	0.73	-0.61	0.41
10,318.0	89.41	269.61	6,033.1	13.5	-4,417.8	4,417.8	2.45	-2.44	0.14
10,381.0	89.58	269.52	6,033.7	13.1	-4,480.8	4,480.8	0.31	0.27	-0.14
10,443.0	89.98	269.26	6,033.9	12.4	-4,542.8	4,542.8	0.77	0.65	-0.42
10,506.0	90.95	269.26	6,033.4	11.6	-4,605.8	4,605.8	1.54	1.54	0.00
10,568.0	92.00	268.99	6,031.8	10.6	-4,667.8	4,667.8	1.75	1.69	-0.44
10,631.0	90.86	269.61	6,030.2	9.9	-4,730.8	4,730.7	2.06	-1.81	0.98

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well War Dog State #1H
Project:	Eddy County, NM (NAD 83 NME)	TVD Reference:	KB @ 3444.5usft (Trinidad 436)
Site:	(War Dog) Sec35_T-16-S_R-27-E	MD Reference:	KB @ 3444.5usft (Trinidad 436)
Well:	War Dog State #1H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	AWB	Database:	EDM 10_13

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)
10,694.0	91.47	269.79	6,028.9	9.5	-4,793.8	4,793.7	1.01	0.97	0.29
10,757.0	90.15	270.05	6,028.0	9.5	-4,856.8	4,856.7	2.14	-2.10	0.41
10,820.0	91.03	270.05	6,027.4	9.5	-4,919.7	4,919.7	1.40	1.40	0.00
10,882.0	89.58	270.31	6,027.1	9.7	-4,981.7	4,981.7	2.38	-2.34	0.42
10,945.0	90.46	270.31	6,027.0	10.0	-5,044.7	5,044.7	1.40	1.40	0.00
11,008.0	90.95	270.40	6,026.3	10.4	-5,107.7	5,107.7	0.79	0.78	0.14
11,071.0	89.49	270.58	6,026.0	11.0	-5,170.7	5,170.7	2.34	-2.32	0.29
11,134.0	90.20	270.31	6,026.2	11.5	-5,233.7	5,233.7	1.21	1.13	-0.43
11,198.0	90.95	270.31	6,025.5	11.8	-5,297.7	5,297.7	1.17	1.17	0.00
11,260.0	91.96	271.02	6,024.0	12.5	-5,359.7	5,359.7	1.99	1.63	1.15
11,323.0	92.84	270.93	6,021.3	13.6	-5,422.6	5,422.6	1.40	1.40	-0.14
11,386.0	91.03	271.10	6,019.2	14.7	-5,485.6	5,485.5	2.89	-2.87	0.27
11,449.0	91.69	271.02	6,017.7	15.9	-5,548.6	5,548.5	1.06	1.05	-0.13
11,512.0	89.93	271.28	6,016.8	17.1	-5,611.5	5,611.5	2.82	-2.79	0.41
11,575.0	90.51	271.10	6,016.6	18.5	-5,674.5	5,674.5	0.96	0.92	-0.29
11,638.0	91.43	271.10	6,015.5	19.7	-5,737.5	5,737.4	1.46	1.46	0.00
11,701.0	92.18	270.93	6,013.5	20.8	-5,800.5	5,800.4	1.22	1.19	-0.27
11,761.0	92.62	270.84	6,011.0	21.7	-5,860.4	5,860.3	0.75	0.73	-0.15
LAST SVY									
11,823.0	92.62	270.84	6,008.2	22.6	-5,922.3	5,922.3	0.00	0.00	0.00
PTD @ 11823.0' MD, 115' FWL, 326' FNL									

Design Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
PBHL (WDS#1H) v2	0.92	89.90	6,012.0	8.0	-5,936.0	681,878.00	559,607.00	32° 52' 28.161 N	104° 16' 25.772 W
- actual wellpath misses target center by 20.4usft at 11823.0usft MD (6008.2 TVD, 22.6 N, -5922.3 E)									
- Rectangle (sides W60.0 H1,936.0 D20.0)									
4000' VS TRGT(WDS	1.00	89.90	6,043.0	11.4	-4,000.0	681,881.40	561,542.97	32° 52' 28.184 N	104° 16' 3.071 W
- actual wellpath misses target center by 8.4usft at 9900.0usft MD (6044.9 TVD, 19.6 N, -4000.1 E)									
- Rectangle (sides W60.0 H2,000.0 D20.0)									
2000' VS TRGT(WDS	1.54	89.89	6,078.0	14.9	-2,000.0	681,884.92	563,542.96	32° 52' 28.205 N	104° 15' 39.619 W
- actual wellpath misses target center by 7.8usft at 7898.4usft MD (6074.2 TVD, 21.8 N, -1999.7 E)									
- Rectangle (sides W60.0 H1,391.0 D20.0)									
UMP (WDS#1H) v2	0.00	91.50	6,114.0	16.0	-609.0	681,886.00	564,934.00	32° 52' 28.206 N	104° 15' 23.307 W
- actual wellpath misses target center by 52.7usft at 6507.1usft MD (6110.0 TVD, -36.5 N, -610.9 E)									
- Rectangle (sides W60.0 H140.0 D20.0)									

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Site:	(War Dog) Sec35_T-16-S_R-27-E	MD Reference:	KB @ 3444.5usft (Trinidad 436)
Well:	War Dog State #1H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	AWB	Database:	EDM 10_13

Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
1,077.5	1,077.5	4.1	-0.1	TIE ON
6,497.5	6,110.3	-36.8	-601.3	FTP @ 6497.5' MD, 100' FEL, 396' FNL
11,761.0	6,011.0	21.7	-5,860.4	LAST SVY
11,823.0	6,008.2	22.6	-5,922.3	PTD @ 11823.0' MD, 115' FWL, 326' FNL

Checked By: _____ Approved By: _____ Date: _____