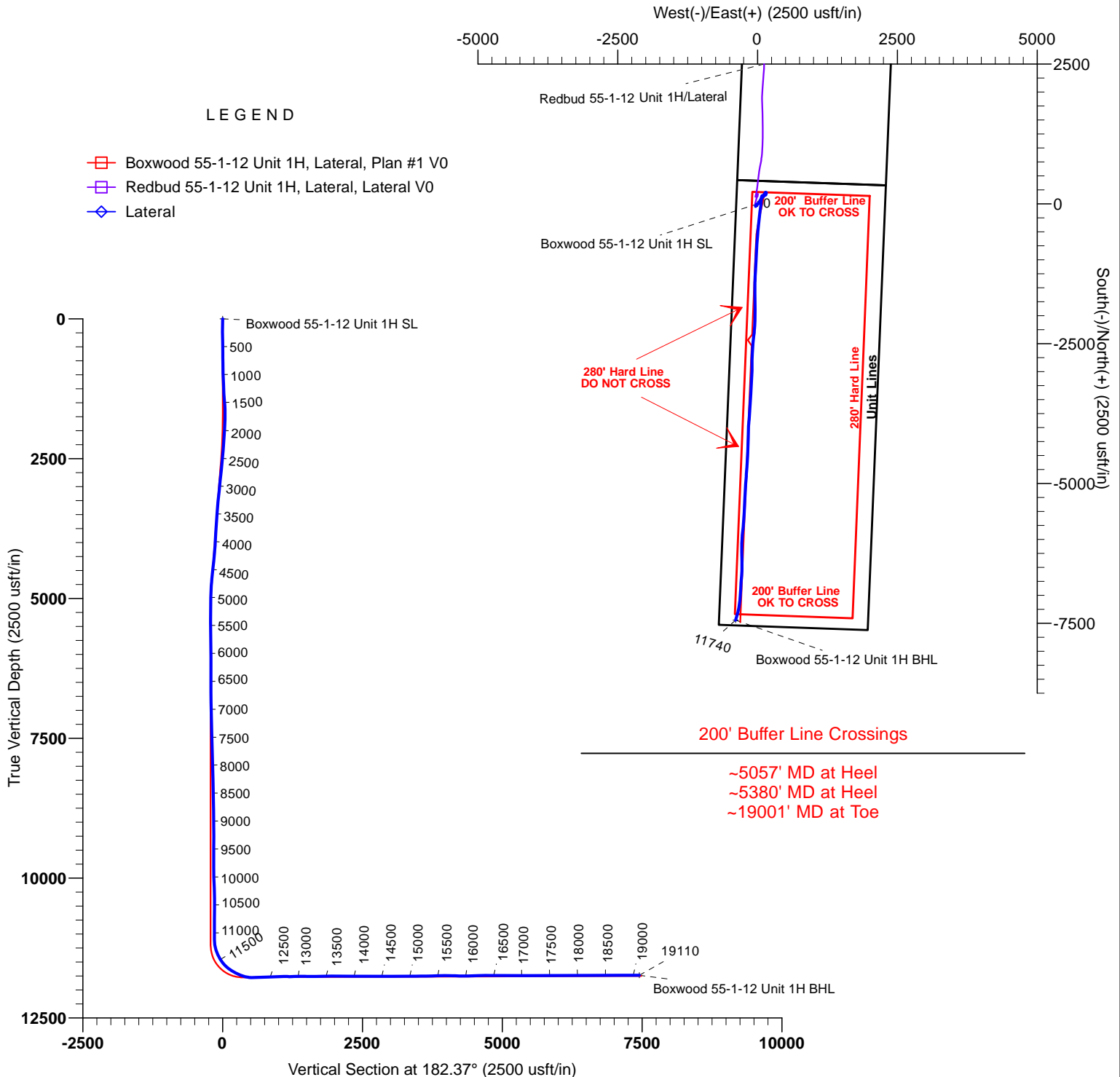


# ANADARKO PETROLEUM

Project: West Texas NAD27 TXC  
 Site: Boxwood & Redbud 55-1-12 Unit 1H  
 Well: Boxwood 55-1-12 Unit 1H  
 Wellbore: Lateral  
 Design: Lateral



## TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
Boxwood 55-1-12 Unit 1H SL	0.00	0.00	0.00	856171.92	953677.40	Point
Boxwood 55-1-12 Unit 1H BHL	11739.55	-7440.81	-391.82	848731.11	953285.58	Point

Design: Lateral (Boxwood 55-1-12 Unit 1H/Lateral)

Created By: Guthrey Johnson  
 Date: 14:03, June 01 2017

**PREMIER DIRECTIONAL DRILLING**  
 N Sam Houston Pwky E, Ste 300 Houston, TX 77060  
 Phone: 281-673-4000



## Survey Report

<b>Company:</b>	ANADARKO PETROLEUM	<b>Local Co-ordinate Reference:</b>	Well Boxwood 55-1-12 Unit 1H - Slot Boxwood 55-1-12 Unit 1H
<b>Project:</b>	West Texas NAD27 TXC	<b>TVD Reference:</b>	3116+25 @ 3141.00usft (Trinidad 138)
<b>Site:</b>	Boxwood & Redbud 55-1-12 Unit 1H	<b>MD Reference:</b>	3116+25 @ 3141.00usft (Trinidad 138)
<b>Well:</b>	Boxwood 55-1-12 Unit 1H	<b>North Reference:</b>	Grid
<b>Wellbore:</b>	Lateral	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Lateral	<b>Database:</b>	EDM 5000.1.13 MultiUser

<b>Project</b>	West Texas NAD27 TXC		
<b>Map System:</b>	US State Plane 1927 (Exact solution)	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	NAD 1927 (NADCON CONUS)		
<b>Map Zone:</b>	Texas Central 4203		

Site		Boxwood & Redbud 55-1-12 Unit 1H, Centered on Boxwood			
Site Position:		Northing:	856,171.92 usft	Latitude:	31° 58' 37.40 N
From:	Map	Easting:	953,677.40 usft	Longitude:	103° 42' 28.46 W
Position Uncertainty:	0.00 usft	Slot Radius:	13.200 in	Grid Convergence:	-1.74 °

Well	Boxwood 55-1-12 Unit 1H - Slot Boxwood 55-1-12 Unit 1H					
Well Position	+N/-S	0.00 usft	Northing:	856,171.92 usft	Latitude:	31° 58' 37.40 N
	+E/-W	0.00 usft	Easting:	953,677.40 usft	Longitude:	103° 42' 28.46 W
Position Uncertainty		0.00 usft	Wellhead Elevation:	0.00 usft	Ground Level:	3,116.00 usft

<b>Wellbore</b>	Lateral				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	User Defined	4/10/2017	7.05	59.64	47,943

<b>Survey Program</b>	<b>Date</b>	6/1/2017			
<b>From (usft)</b>	<b>To (usft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Description</b>	
237.00	19,110.00	Survey #1 (Lateral)	MWD+IFR1	OWSG MWD + IFR1	

<b>Survey</b>										
<b>Measured Depth (usft)</b>	<b>Inclination (°)</b>	<b>Azimuth (°)</b>	<b>Vertical Depth (usft)</b>	<b>+N/-S (usft)</b>	<b>+E/-W (usft)</b>	<b>Vertical Section (usft)</b>	<b>Dogleg Rate (°/100ft)</b>	<b>Build Rate (°/100ft)</b>	<b>Turn Rate (°/100ft)</b>	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
237.00	0.40	289.40	237.00	0.27	-0.78	-0.24	0.17	0.17	0.00	
420.00	0.90	145.40	419.99	-0.70	-0.57	0.72	0.68	0.27	-78.69	
607.00	1.71	248.11	606.96	-2.95	-2.32	3.04	1.12	0.43	54.93	
788.00	2.77	254.09	787.82	-5.15	-9.03	5.52	0.60	0.59	3.30	
973.00	3.47	240.03	972.55	-9.17	-18.18	9.92	0.56	0.38	-7.60	
1,157.00	2.77	217.09	1,156.28	-15.50	-25.69	16.55	0.77	-0.38	-12.47	
1,342.00	3.12	203.82	1,341.04	-23.67	-30.42	24.91	0.41	0.19	-7.17	
1,501.00	4.85	196.52	1,499.65	-34.08	-34.08	35.46	1.13	1.09	-4.59	
1,618.00	3.25	175.43	1,616.36	-42.13	-35.22	43.55	1.85	-1.37	-18.03	
1,801.00	2.77	30.41	1,799.26	-43.48	-32.57	44.79	3.14	-0.26	-79.25	
1,986.00	4.22	35.68	1,983.91	-34.10	-26.33	35.16	0.80	0.78	2.85	
2,169.00	5.49	45.62	2,166.25	-22.51	-16.15	23.16	0.83	0.69	5.43	
2,354.00	5.76	46.56	2,350.36	-9.93	-3.08	10.05	0.15	0.15	0.51	
2,538.00	7.03	38.06	2,533.22	5.28	10.56	-5.71	0.86	0.69	-4.62	
2,721.00	7.25	33.58	2,714.80	23.72	23.86	-24.69	0.33	0.12	-2.45	
2,905.00	6.51	31.29	2,897.47	42.31	35.69	-43.75	0.43	-0.40	-1.24	

## Survey Report

<b>Company:</b>	ANADARKO PETROLEUM	<b>Local Co-ordinate Reference:</b>	Well Boxwood 55-1-12 Unit 1H - Slot Boxwood 55-1-12 Unit 1H
<b>Project:</b>	West Texas NAD27 TXC	<b>TVD Reference:</b>	3116+25 @ 3141.00usft (Trinidad 138)
<b>Site:</b>	Boxwood & Redbud 55-1-12 Unit 1H	<b>MD Reference:</b>	3116+25 @ 3141.00usft (Trinidad 138)
<b>Well:</b>	Boxwood 55-1-12 Unit 1H	<b>North Reference:</b>	Grid
<b>Wellbore:</b>	Lateral	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Lateral	<b>Database:</b>	EDM 5000.1.13 MultiUser

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
3,088.00	6.55	29.18	3,079.29	60.28	46.17	-62.14	0.13	0.02	-1.15	
3,273.00	6.29	34.89	3,263.13	77.81	57.11	-80.10	0.37	-0.14	3.09	
3,456.00	5.63	37.44	3,445.14	93.16	68.30	-95.90	0.39	-0.36	1.39	
3,639.00	5.01	41.13	3,627.35	106.31	79.02	-109.48	0.39	-0.34	2.02	
3,824.00	4.13	43.95	3,811.76	117.19	88.95	-120.76	0.49	-0.48	1.52	
4,009.00	4.70	50.98	3,996.21	126.75	99.47	-130.76	0.42	0.31	3.80	
4,193.00	5.76	29.80	4,179.46	139.51	109.91	-143.94	1.19	0.58	-11.51	
4,355.00	6.51	18.11	4,340.54	155.30	116.81	-160.00	0.90	0.46	-7.22	
4,482.00	6.47	16.90	4,466.72	168.99	121.13	-173.85	0.11	-0.03	-0.95	
4,666.00	5.83	30.79	4,649.67	186.94	128.92	-192.11	0.88	-0.35	7.55	
4,850.00	3.42	29.68	4,833.06	199.73	136.43	-205.20	1.31	-1.31	-0.60	
5,035.00	1.69	17.32	5,017.87	207.13	139.97	-212.74	0.98	-0.94	-6.68	
5,220.00	0.75	128.03	5,202.84	208.99	141.74	-214.67	1.12	-0.51	59.84	
5,404.00	0.70	142.09	5,386.83	207.36	143.38	-213.11	0.10	-0.03	7.64	
5,589.00	0.77	123.74	5,571.81	205.78	145.10	-211.60	0.13	0.04	-9.92	
5,772.00	0.89	98.39	5,754.79	204.89	147.53	-210.82	0.21	0.07	-13.85	
5,957.00	1.02	89.52	5,939.77	204.69	150.60	-210.75	0.11	0.07	-4.79	
6,141.00	1.02	105.86	6,123.74	204.26	153.81	-210.45	0.16	0.00	8.88	
6,325.00	0.64	101.42	6,307.72	203.61	156.40	-209.90	0.21	-0.21	-2.41	
6,510.00	0.44	133.88	6,492.71	202.91	157.92	-209.27	0.19	-0.11	17.55	
6,694.00	0.58	155.12	6,676.70	201.58	158.82	-207.97	0.13	0.08	11.54	
6,879.00	0.90	194.17	6,861.69	199.32	158.86	-205.72	0.31	0.17	21.11	
7,064.00	1.07	212.03	7,046.66	196.45	157.59	-202.79	0.19	0.09	9.65	
7,248.00	1.53	198.86	7,230.62	192.67	155.88	-198.95	0.30	0.25	-7.16	
7,433.00	1.48	193.43	7,415.55	188.00	154.53	-194.23	0.08	-0.03	-2.94	
7,617.00	1.73	189.86	7,599.48	182.96	153.50	-189.15	0.15	0.14	-1.94	
7,801.00	2.17	194.46	7,783.37	176.85	152.16	-182.99	0.25	0.24	2.50	
7,986.00	2.12	195.37	7,968.24	170.16	150.38	-176.23	0.03	-0.03	0.49	
8,170.00	1.20	203.47	8,152.16	165.11	148.71	-171.12	0.51	-0.50	4.40	
8,355.00	1.10	211.05	8,337.13	161.81	147.02	-167.75	0.10	-0.05	4.10	
8,539.00	1.20	251.01	8,521.09	159.67	144.29	-165.50	0.43	0.05	21.72	
8,724.00	1.49	246.59	8,706.04	158.08	140.25	-163.75	0.17	0.16	-2.39	
8,908.00	2.37	250.80	8,889.94	155.88	134.46	-161.31	0.48	0.48	2.29	
9,093.00	2.51	258.99	9,074.77	153.85	126.87	-158.96	0.20	0.08	4.43	
9,277.00	2.85	264.61	9,258.57	152.65	118.36	-157.41	0.23	0.18	3.05	
9,461.00	1.87	287.71	9,442.41	153.13	110.95	-157.59	0.73	-0.53	12.55	
9,645.00	1.82	271.39	9,626.32	154.12	105.17	-158.33	0.29	-0.03	-8.87	
9,830.00	1.07	264.68	9,811.26	154.03	100.51	-158.05	0.41	-0.41	-3.63	
10,015.00	1.85	225.16	9,996.20	151.76	96.67	-155.63	0.66	0.42	-21.36	
10,198.00	3.07	219.35	10,179.03	145.89	91.47	-149.55	0.68	0.67	-3.17	
10,383.00	1.62	218.09	10,363.87	140.00	86.72	-143.47	0.78	-0.78	-0.68	
10,567.00	0.98	18.21	10,547.85	139.45	85.60	-142.87	1.39	-0.35	87.02	
10,751.00	0.87	331.87	10,731.83	142.18	85.44	-145.59	0.40	-0.06	-25.18	

# Survey Report

<b>Company:</b>	ANADARKO PETROLEUM	<b>Local Co-ordinate Reference:</b>	Well Boxwood 55-1-12 Unit 1H - Slot Boxwood 55-1-12 Unit 1H
<b>Project:</b>	West Texas NAD27 TXC	<b>TVD Reference:</b>	3116+25 @ 3141.00usft (Trinidad 138)
<b>Site:</b>	Boxwood & Redbud 55-1-12 Unit 1H	<b>MD Reference:</b>	3116+25 @ 3141.00usft (Trinidad 138)
<b>Well:</b>	Boxwood 55-1-12 Unit 1H	<b>North Reference:</b>	Grid
<b>Wellbore:</b>	Lateral	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Lateral	<b>Database:</b>	EDM 5000.1.13 MultiUser

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
10,936.00	0.91	290.13	10,916.81	143.92	83.39	-147.25	0.34	0.02	-22.56
11,074.00	1.73	245.16	11,054.77	143.42	80.47	-146.63	0.91	0.59	-32.59
11,125.00	1.63	244.06	11,105.75	142.78	79.12	-145.93	0.21	-0.20	-2.16
11,215.00	8.37	203.07	11,195.37	136.19	75.40	-139.19	8.02	7.49	-45.54
11,308.00	17.64	187.32	11,285.91	115.93	70.94	-118.77	10.58	9.97	-16.94
11,400.00	24.82	184.59	11,371.62	82.81	67.62	-85.54	7.88	7.80	-2.97
11,492.00	31.70	184.52	11,452.60	39.42	64.16	-42.04	7.48	7.48	-0.08
11,584.00	39.84	183.82	11,527.19	-14.17	60.29	11.67	8.86	8.85	-0.76
11,677.00	48.61	189.22	11,593.79	-78.48	52.70	76.23	10.26	9.43	5.81
11,768.00	57.11	188.08	11,648.68	-150.13	41.84	148.28	9.39	9.34	-1.25
11,820.00	61.05	186.28	11,675.40	-194.39	36.28	192.72	8.14	7.58	-3.46
11,956.00	66.94	185.22	11,735.00	-315.95	24.06	314.68	4.39	4.33	-0.78
11,988.00	70.30	185.61	11,746.67	-345.61	21.25	344.43	10.56	10.50	1.22
12,083.00	79.56	185.44	11,771.34	-436.82	12.43	435.93	9.75	9.75	-0.18
12,146.00	85.43	185.24	11,779.56	-498.98	6.62	498.28	9.32	9.32	-0.32
12,178.00	89.56	184.77	11,780.96	-530.82	3.83	530.21	12.99	12.91	-1.47
12,209.00	92.03	184.51	11,780.53	-561.71	1.33	561.18	8.01	7.97	-0.84
12,272.00	92.78	184.18	11,777.89	-624.47	-3.44	624.08	1.30	1.19	-0.52
12,367.00	92.08	183.81	11,773.86	-719.16	-10.05	718.96	0.83	-0.74	-0.39
12,461.00	92.51	183.81	11,770.10	-812.87	-16.30	812.85	0.46	0.46	0.00
12,556.00	91.97	183.12	11,766.38	-907.63	-22.03	907.76	0.92	-0.57	-0.73
12,650.00	91.88	182.49	11,763.23	-1,001.46	-26.63	1,001.71	0.68	-0.10	-0.67
12,745.00	90.41	182.72	11,761.33	-1,096.34	-30.95	1,096.68	1.57	-1.55	0.24
12,840.00	88.15	182.59	11,762.52	-1,191.23	-35.35	1,191.67	2.38	-2.38	-0.14
12,934.00	92.24	183.20	11,762.20	-1,285.09	-40.09	1,285.64	4.40	4.35	0.65
13,030.00	91.10	182.45	11,759.40	-1,380.93	-44.82	1,381.60	1.42	-1.19	-0.78
13,124.00	88.25	179.59	11,759.94	-1,474.89	-46.50	1,475.55	4.30	-3.03	-3.04
13,219.00	89.98	180.71	11,761.40	-1,569.87	-46.75	1,570.46	2.17	1.82	1.18
13,313.00	90.17	179.83	11,761.28	-1,663.87	-47.19	1,664.40	0.96	0.20	-0.94
13,408.00	91.65	177.87	11,759.77	-1,758.83	-45.28	1,759.20	2.59	1.56	-2.06
13,503.00	92.42	179.47	11,756.40	-1,853.74	-43.08	1,853.94	1.87	0.81	1.68
13,597.00	90.97	180.11	11,753.62	-1,947.70	-42.73	1,947.80	1.69	-1.54	0.68
13,692.00	88.00	181.28	11,754.47	-2,042.68	-43.89	2,042.74	3.36	-3.13	1.23
13,786.00	90.41	184.27	11,755.78	-2,136.54	-48.44	2,136.71	4.09	2.56	3.18
13,880.00	89.00	182.93	11,756.26	-2,230.35	-54.34	2,230.69	2.07	-1.50	-1.43
13,975.00	90.64	186.52	11,756.56	-2,325.01	-62.16	2,325.59	4.15	1.73	3.78
14,069.00	89.43	188.04	11,756.50	-2,418.24	-74.07	2,419.24	2.07	-1.29	1.62
14,164.00	87.98	183.80	11,758.65	-2,512.69	-83.87	2,514.01	4.72	-1.53	-4.46
14,258.00	88.45	182.38	11,761.58	-2,606.50	-88.93	2,607.95	1.59	0.50	-1.51
14,353.00	93.08	183.75	11,760.31	-2,701.33	-94.01	2,702.91	5.08	4.87	1.44
14,448.00	91.17	182.53	11,756.79	-2,796.12	-99.21	2,797.83	2.39	-2.01	-1.28
14,542.00	88.54	177.76	11,757.03	-2,890.08	-99.45	2,891.72	5.79	-2.80	-5.07

## Survey Report

<b>Company:</b>	ANADARKO PETROLEUM	<b>Local Co-ordinate Reference:</b>	Well Boxwood 55-1-12 Unit 1H - Slot Boxwood 55-1-12 Unit 1H
<b>Project:</b>	West Texas NAD27 TXC	<b>TVD Reference:</b>	3116+25 @ 3141.00usft (Trinidad 138)
<b>Site:</b>	Boxwood & Redbud 55-1-12 Unit 1H	<b>MD Reference:</b>	3116+25 @ 3141.00usft (Trinidad 138)
<b>Well:</b>	Boxwood 55-1-12 Unit 1H	<b>North Reference:</b>	Grid
<b>Wellbore:</b>	Lateral	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Lateral	<b>Database:</b>	EDM 5000.1.13 MultiUser

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
14,636.00	88.53	180.58	11,759.43	-2,984.03	-98.08	2,985.53	3.00	-0.01	3.00
14,731.00	90.55	183.81	11,760.19	-3,078.94	-101.72	3,080.51	4.01	2.13	3.40
14,825.00	91.63	183.98	11,758.40	-3,172.70	-108.11	3,174.46	1.16	1.15	0.18
14,919.00	89.75	182.92	11,757.27	-3,266.52	-113.76	3,268.43	2.30	-2.00	-1.13
15,014.00	89.98	183.40	11,757.50	-3,361.38	-119.00	3,363.42	0.56	0.24	0.51
15,108.00	90.78	183.62	11,756.87	-3,455.20	-124.75	3,457.40	0.88	0.85	0.23
15,203.00	92.03	184.02	11,754.54	-3,549.96	-131.08	3,552.34	1.38	1.32	0.42
15,298.00	90.17	182.53	11,752.72	-3,644.78	-136.51	3,647.30	2.51	-1.96	-1.57
15,392.00	90.19	183.03	11,752.42	-3,738.67	-141.07	3,741.30	0.53	0.02	0.53
15,487.00	93.55	184.99	11,749.32	-3,833.36	-147.70	3,836.19	4.09	3.54	2.06
15,582.00	91.01	186.13	11,745.55	-3,927.83	-156.90	3,930.96	2.93	-2.67	1.20
15,676.00	86.61	181.64	11,747.50	-4,021.55	-163.27	4,024.86	6.69	-4.68	-4.78
15,771.00	90.86	182.25	11,749.59	-4,116.45	-166.49	4,119.81	4.52	4.47	0.64
15,866.00	87.74	178.86	11,750.76	-4,211.41	-167.41	4,214.73	4.85	-3.28	-3.57
15,961.00	90.11	181.47	11,752.54	-4,306.38	-167.69	4,309.63	3.71	2.49	2.75
16,056.00	92.80	183.66	11,750.13	-4,401.24	-171.93	4,404.59	3.65	2.83	2.31
16,150.00	90.99	183.43	11,747.02	-4,495.00	-177.74	4,498.51	1.94	-1.93	-0.24
16,245.00	90.85	183.74	11,745.49	-4,589.81	-183.68	4,593.48	0.36	-0.15	0.33
16,340.00	90.69	183.69	11,744.22	-4,684.60	-189.84	4,688.44	0.18	-0.17	-0.05
16,435.00	90.38	184.02	11,743.33	-4,779.38	-196.22	4,783.41	0.48	-0.33	0.35
16,530.00	88.12	182.64	11,744.57	-4,874.20	-201.74	4,878.38	2.79	-2.38	-1.45
16,625.00	90.00	184.47	11,746.13	-4,969.00	-207.63	4,973.33	2.76	1.98	1.93
16,719.00	89.56	184.30	11,746.49	-5,062.72	-214.82	5,067.27	0.50	-0.47	-0.18
16,814.00	89.85	183.46	11,746.98	-5,157.50	-221.25	5,162.24	0.94	0.31	-0.88
16,908.00	89.47	182.35	11,747.54	-5,251.38	-226.01	5,256.23	1.25	-0.40	-1.18
17,003.00	91.17	182.91	11,747.01	-5,346.27	-230.37	5,351.23	1.88	1.79	0.59
17,098.00	90.64	181.93	11,745.51	-5,441.17	-234.38	5,446.21	1.17	-0.56	-1.03
17,192.00	91.01	184.57	11,744.15	-5,535.01	-239.71	5,540.18	2.84	0.39	2.81
17,286.00	89.09	183.73	11,744.07	-5,628.75	-246.51	5,634.13	2.23	-2.04	-0.89
17,381.00	90.13	182.92	11,744.72	-5,723.59	-252.02	5,729.12	1.39	1.09	-0.85
17,476.00	90.43	186.48	11,744.25	-5,818.25	-259.80	5,824.02	3.76	0.32	3.75
17,570.00	89.21	186.75	11,744.55	-5,911.63	-270.63	5,917.76	1.33	-1.30	0.29
17,665.00	88.27	182.54	11,746.64	-6,006.27	-278.32	6,012.64	4.54	-0.99	-4.43
17,760.00	91.12	181.14	11,747.14	-6,101.21	-281.37	6,107.62	3.34	3.00	-1.47
17,854.00	91.05	178.16	11,745.36	-6,195.18	-280.80	6,201.49	3.17	-0.07	-3.17
17,948.00	92.02	179.28	11,742.85	-6,289.12	-278.70	6,295.26	1.58	1.03	1.19
18,043.00	89.00	178.94	11,742.00	-6,384.09	-277.22	6,390.09	3.20	-3.18	-0.36
18,138.00	91.05	182.61	11,741.96	-6,479.06	-278.51	6,485.04	4.42	2.16	3.86
18,233.00	89.73	180.69	11,741.31	-6,574.01	-281.24	6,580.02	2.45	-1.39	-2.02
18,328.00	90.10	184.64	11,741.45	-6,668.89	-285.66	6,675.00	4.18	0.39	4.16
18,423.00	90.74	185.21	11,740.76	-6,763.54	-293.81	6,769.90	0.90	0.67	0.60
18,517.00	89.99	181.79	11,740.16	-6,857.34	-299.55	6,863.87	3.72	-0.80	-3.64
18,612.00	90.24	184.31	11,739.97	-6,952.20	-304.60	6,958.85	2.67	0.26	2.65

## Survey Report

<b>Company:</b>	ANADARKO PETROLEUM	<b>Local Co-ordinate Reference:</b>	Well Boxwood 55-1-12 Unit 1H - Slot Boxwood 55-1-12 Unit 1H
<b>Project:</b>	West Texas NAD27 TXC	<b>TVD Reference:</b>	3116+25 @ 3141.00usft (Trinidad 138)
<b>Site:</b>	Boxwood & Redbud 55-1-12 Unit 1H	<b>MD Reference:</b>	3116+25 @ 3141.00usft (Trinidad 138)
<b>Well:</b>	Boxwood 55-1-12 Unit 1H	<b>North Reference:</b>	Grid
<b>Wellbore:</b>	Lateral	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Lateral	<b>Database:</b>	EDM 5000.1.13 MultiUser

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
18,706.00	90.39	185.48	11,739.45	-7,045.86	-312.63	7,052.76	1.25	0.16	1.24
18,801.00	89.67	185.46	11,739.40	-7,140.42	-321.68	7,147.62	0.76	-0.76	-0.02
18,895.00	90.39	191.82	11,739.35	-7,233.31	-335.80	7,241.01	6.81	0.77	6.77
18,990.00	89.68	195.63	11,739.29	-7,325.58	-358.33	7,334.13	4.08	-0.75	4.01
19,046.00	89.94	196.38	11,739.48	-7,379.41	-373.77	7,388.55	1.42	0.46	1.34
19,110.00	89.94	196.38	11,739.55	-7,440.81	-391.82	7,450.65	0.00	0.00	0.00

Design Targets									
Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
Boxwood 55-1-12 Unit 1 - actual wellpath hits target center - Point	0.00	0.00	0.00	0.00	0.00	856,171.92	953,677.40	31° 58' 37.40 N	103° 42' 28.46 W
Boxwood 55-1-12 Unit 1 - actual wellpath hits target center - Point	0.00	360.00	11,739.55	-7,440.81	-391.82	848,731.11	953,285.58	31° 57' 23.68 N	103° 42' 30.39 W