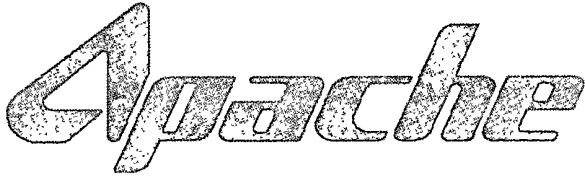


30-025-40429



Apache Corporation

Lea County, NM
Sec 17, T21S, 37E
West Blinebry Drinkard Unit 144H

Wellbore #1

Survey: MWD

DDC Survey Report

16 May, 2012

HOBBS OCD

AUG 08 2012

RECEIVED



AUG 09 2012



DDC
Survey Report



Company:	Apache Corporation	Local Co-ordinate Reference:	Well West Blinebry Drinkard Unit 144H
Project:	Lea County, NM	TVD Reference:	WELL @ 3498.0usft (JW #2)
Site:	Sec 17, T21S, 37E	MD Reference:	WELL @ 3498.0usft (JW #2)
Well:	West Blinebry Drinkard Unit 144H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 5000.1 Single User Db

Project	Lea County, NM		
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	Sec 17, T21S, 37E		
Site Position:		Northing:	541,661.76 usft
From:	Map	Easting:	854,741.12 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 29' 1.972 N
		Longitude:	103° 10' 58.577 W
		Grid Convergence:	0.62 °

Well	West Blinebry Drinkard Unit 144H		
Well Position	+N/-S	0.0 usft	Northing: 541,661.76 usft
	+E/-W	0.0 usft	Easting: 854,741.12 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	usft
		Latitude:	32° 29' 1.972 N
		Longitude:	103° 10' 58.577 W
		Ground Level:	3,480.0 usft

Wellbore	Wellbore #1		
Magnetics	Model Name	Sample Date	Declination
	IGRF2010	2/10/2012	(°)
			7.34
			Dip Angle (°)
			60.48
			Field Strength (nT)
			48,749

Design	Wellbore #1		
Audit Notes:			
Version:	1.0	Phase:	ACTUAL
		Tie On Depth:	0.0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W
	(usft)	(usft)	(usft)
	0.0	0.0	0.0
			Direction (°)
			182.39

Survey Program	Date: 5/16/2012		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name
66.1	6,114.0	GYRO (Wellbore #1)	Good_gyro
6,136.0	10,677.0	MWD (Wellbore #1)	MWD default
			Description
			Good Gyro
			MWD - Standard

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)
Tie In @ 6107' MD / 6106' TVD									
6,107.0	0.32	30.00	6,105.9	55.7	25.6	-56.7	0.00	0.00	0.00
6,129.0	1.60	196.40	6,127.9	55.4	25.6	-56.5	8.69	5.82	756.36
6,160.0	5.30	199.00	6,158.8	53.7	25.0	-54.7	11.94	11.94	8.39
6,191.0	8.40	199.20	6,189.6	50.2	23.8	-51.1	10.00	10.00	0.65
6,222.0	11.20	198.50	6,220.1	45.2	22.1	-46.1	9.04	9.03	-2.26
6,254.0	13.40	194.80	6,251.4	38.6	20.2	-39.5	7.30	6.88	-11.56
6,285.0	14.90	191.80	6,281.5	31.3	18.4	-32.0	5.38	4.84	-9.68
6,316.0	17.10	189.50	6,311.3	22.9	16.9	-23.6	7.38	7.10	-7.42
6,347.0	20.70	188.60	6,340.6	13.0	15.3	-13.6	11.65	11.61	-2.90

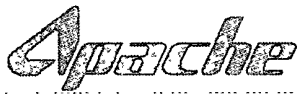


DDC
Survey Report



Company:	Apache Corporation	Local Co-ordinate Reference:	Well West Blinbry Drinkard Unit 144H
Project:	Lea County, NM	TVD Reference:	WELL @ 3498.0usft (JW #2)
Site:	Sec 17, T21S, 37E	MD Reference:	WELL @ 3498.0usft (JW #2)
Well:	West Blinbry Drinkard Unit 144H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 5000.1 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)
6,378.0	24.50	189.50	6,369.2	1.2	13.4	-1.8	12.31	12.26	2.90
6,409.0	28.00	191.30	6,397.0	-12.3	10.9	11.8	11.58	11.29	5.81
6,440.0	31.40	193.20	6,423.9	-27.3	7.6	26.9	11.38	10.97	6.13
6,471.0	34.70	194.30	6,449.9	-43.7	3.6	43.5	10.82	10.65	3.55
6,503.0	38.20	195.50	6,475.6	-62.1	-1.3	62.1	11.16	10.94	3.75
6,534.0	40.60	195.70	6,499.6	-81.0	-6.6	81.2	7.75	7.74	0.65
6,565.0	43.30	194.40	6,522.7	-101.0	-11.9	101.4	9.15	8.71	-4.19
6,596.0	46.70	194.40	6,544.6	-122.3	-17.4	122.9	10.97	10.97	0.00
6,627.0	50.40	194.60	6,565.1	-144.7	-23.2	145.6	11.95	11.94	0.65
6,658.0	53.50	194.80	6,584.2	-168.4	-29.4	169.4	10.01	10.00	0.65
6,690.0	56.70	194.60	6,602.5	-193.7	-36.1	195.1	10.01	10.00	-0.63
6,722.0	60.30	194.40	6,619.2	-220.2	-42.9	221.8	11.26	11.25	-0.63
6,753.0	63.40	193.80	6,633.8	-246.7	-49.6	248.5	10.14	10.00	-1.94
6,784.0	66.70	193.20	6,646.9	-274.0	-56.1	276.1	10.79	10.65	-1.94
6,815.0	69.30	192.90	6,658.5	-302.0	-62.6	304.3	8.43	8.39	-0.97
6,846.0	72.10	193.20	6,668.8	-330.5	-69.2	333.1	9.08	9.03	0.97
6,877.0	74.70	193.90	6,677.6	-359.4	-76.2	362.2	8.66	8.39	2.26
6,908.0	77.30	195.00	6,685.1	-388.5	-83.7	391.6	9.07	8.39	3.55
6,939.0	80.00	194.40	6,691.2	-417.9	-91.4	421.3	8.91	8.71	-1.94
6,970.0	82.30	194.30	6,696.0	-447.6	-99.0	451.3	7.43	7.42	-0.32
6,988.0	84.90	193.10	6,698.0	-464.9	-103.2	468.8	15.89	14.44	-6.67
7,019.0	88.90	190.90	6,699.7	-495.2	-109.6	499.3	14.72	12.90	-7.10
7,049.0	90.60	190.80	6,699.8	-524.7	-115.3	529.0	5.68	5.67	-0.33
7,080.0	90.60	190.40	6,699.5	-555.1	-121.0	559.7	1.29	0.00	-1.29
7,112.0	90.60	190.20	6,699.1	-586.6	-126.7	591.4	0.62	0.00	-0.63
7,143.0	90.60	189.90	6,698.8	-617.1	-132.1	622.1	0.97	0.00	-0.97
7,174.0	90.40	189.70	6,698.6	-647.7	-137.4	652.9	0.91	-0.65	-0.65
7,204.0	90.00	188.30	6,698.4	-677.3	-142.1	682.7	4.85	-1.33	-4.67
7,236.0	90.10	187.30	6,698.4	-709.0	-146.4	714.5	3.14	0.31	-3.13
7,266.0	89.90	187.10	6,698.4	-738.8	-150.2	744.4	0.94	-0.67	-0.67
7,298.0	90.70	186.00	6,698.3	-770.6	-153.8	776.3	4.25	2.50	-3.44
7,330.0	91.20	184.80	6,697.7	-802.4	-156.9	808.3	4.06	1.56	-3.75
7,361.0	91.30	185.00	6,697.0	-833.3	-159.5	839.2	0.72	0.32	0.65
7,393.0	91.50	183.20	6,696.3	-865.2	-161.8	871.2	5.66	0.63	-5.63
7,424.0	91.40	181.40	6,695.5	-896.2	-163.0	902.2	5.81	-0.32	-5.81
7,455.0	91.80	180.90	6,694.6	-927.2	-163.7	933.2	2.07	1.29	-1.61
7,487.0	91.90	180.60	6,693.6	-959.1	-164.1	965.1	0.99	0.31	-0.94
7,519.0	91.90	180.00	6,692.5	-991.1	-164.2	997.1	1.87	0.00	-1.88
7,551.0	91.90	180.00	6,691.5	-1,023.1	-164.2	1,029.1	0.00	0.00	0.00
7,582.0	91.50	180.20	6,690.5	-1,054.1	-164.3	1,060.0	1.44	-1.29	0.65
7,613.0	91.30	180.00	6,689.8	-1,085.1	-164.4	1,091.0	0.91	-0.65	-0.65
7,644.0	91.10	180.40	6,689.1	-1,116.1	-164.5	1,122.0	1.44	-0.65	1.29
7,675.0	90.70	180.20	6,688.6	-1,147.1	-164.6	1,152.9	1.44	-1.29	-0.65

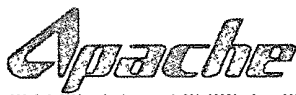


DDC
Survey Report



Company:	Apache Corporation	Local Co-ordinate Reference:	Well West Blinebry Drinkard Unit-144H
Project:	Lea County NM	TVD Reference:	WELL @ 3498.0usft (JW #2)
Site:	Sec 17, T21S, 37E	MD Reference:	WELL @ 3498.0usft (JW #2)
Well:	West Blinebry Drinkard Unit 144H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 5000.1 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)	
7,706.0	90.90	180.00	6,688.2	-1,178.1	-164.7	1,183.9	0.91	0.65	-0.65	
7,738.0	91.10	179.90	6,687.7	-1,210.1	-164.7	1,215.9	0.70	0.63	-0.31	
7,770.0	91.00	179.90	6,687.1	-1,242.1	-164.6	1,247.8	0.31	-0.31	0.00	
7,801.0	90.80	179.70	6,686.6	-1,273.1	-164.5	1,278.8	0.91	-0.65	-0.65	
7,832.0	90.10	178.80	6,686.3	-1,304.0	-164.1	1,309.8	3.68	-2.26	-2.90	
7,863.0	89.60	178.50	6,686.4	-1,335.0	-163.4	1,340.7	1.88	-1.61	-0.97	
7,894.0	89.30	178.10	6,686.7	-1,366.0	-162.4	1,371.6	1.61	-0.97	-1.29	
7,925.0	88.60	177.90	6,687.3	-1,397.0	-161.3	1,402.5	2.35	-2.26	-0.65	
7,957.0	88.30	177.60	6,688.2	-1,429.0	-160.1	1,434.4	1.33	-0.94	-0.94	
7,988.0	89.00	177.40	6,688.9	-1,459.9	-158.7	1,465.3	2.35	2.26	-0.65	
8,019.0	89.80	177.80	6,689.2	-1,490.9	-157.4	1,496.2	2.89	2.58	1.29	
8,050.0	89.50	177.40	6,689.4	-1,521.9	-156.1	1,527.1	1.61	-0.97	-1.29	
8,081.0	89.30	177.10	6,689.7	-1,552.8	-154.7	1,557.9	1.16	-0.65	-0.97	
8,113.0	89.90	177.90	6,689.9	-1,584.8	-153.3	1,589.8	3.12	1.88	2.50	
8,145.0	90.00	178.30	6,690.0	-1,616.8	-152.2	1,621.7	1.29	0.31	1.25	
8,177.0	90.80	179.50	6,689.7	-1,648.8	-151.6	1,653.7	4.51	2.50	3.75	
8,207.0	90.30	178.60	6,689.5	-1,678.8	-151.1	1,683.6	3.43	-1.67	-3.00	
8,238.0	90.80	179.90	6,689.2	-1,709.8	-150.7	1,714.6	4.49	1.61	4.19	
8,270.0	91.90	180.60	6,688.4	-1,741.8	-150.8	1,746.5	4.07	3.44	2.19	
8,301.0	91.80	180.60	6,687.4	-1,772.7	-151.1	1,777.5	0.32	-0.32	0.00	
8,332.0	91.50	180.20	6,686.5	-1,803.7	-151.4	1,808.5	1.61	-0.97	-1.29	
8,364.0	91.20	180.00	6,685.8	-1,835.7	-151.4	1,840.4	1.13	-0.94	-0.63	
8,394.0	91.10	179.70	6,685.2	-1,865.7	-151.3	1,870.4	1.05	-0.33	-1.00	
8,426.0	90.60	179.30	6,684.7	-1,897.7	-151.1	1,902.3	2.00	-1.56	-1.25	
8,457.0	90.50	180.20	6,684.4	-1,928.7	-150.9	1,933.3	2.92	-0.32	2.90	
8,488.0	90.40	180.20	6,684.1	-1,959.7	-151.0	1,964.3	0.32	-0.32	0.00	
8,519.0	90.00	180.00	6,684.0	-1,990.7	-151.1	1,995.3	1.44	-1.29	-0.65	
8,551.0	90.30	181.10	6,684.0	-2,022.7	-151.4	2,027.2	3.56	0.94	3.44	
8,583.0	90.40	181.10	6,683.8	-2,054.7	-152.0	2,059.2	0.31	0.31	0.00	
8,613.0	90.00	180.60	6,683.7	-2,084.7	-152.5	2,089.2	2.13	-1.33	-1.67	
8,645.0	91.40	180.70	6,683.3	-2,116.7	-152.8	2,121.2	4.39	4.38	0.31	
8,676.0	92.30	180.70	6,682.3	-2,147.7	-153.2	2,152.2	2.90	2.90	0.00	
8,707.0	92.20	180.60	6,681.0	-2,178.6	-153.5	2,183.1	0.46	-0.32	-0.32	
8,738.0	92.10	180.40	6,679.9	-2,209.6	-153.8	2,214.1	0.72	-0.32	-0.65	
8,770.0	92.20	180.00	6,678.7	-2,241.6	-153.9	2,246.1	1.29	0.31	-1.25	
8,802.0	92.50	180.20	6,677.4	-2,273.6	-154.0	2,278.0	1.13	0.94	0.63	
8,833.0	92.50	180.00	6,676.0	-2,304.5	-154.0	2,309.0	0.64	0.00	-0.65	
8,865.0	91.30	179.70	6,675.0	-2,336.5	-154.0	2,340.9	3.87	-3.75	-0.94	
8,896.0	90.40	179.20	6,674.5	-2,367.5	-153.7	2,371.9	3.32	-2.90	-1.61	
8,928.0	89.40	178.50	6,674.5	-2,399.5	-153.0	2,403.8	3.81	-3.13	-2.19	
8,960.0	89.80	178.80	6,674.8	-2,431.5	-152.3	2,435.7	1.56	1.25	0.94	
8,991.0	91.60	179.00	6,674.4	-2,462.5	-151.7	2,466.7	5.84	5.81	0.65	
9,022.0	92.60	180.40	6,673.3	-2,493.5	-151.5	2,497.6	5.55	3.23	4.52	



DDC
Survey Report



Company:	Apache Corporation	Local Co-ordinate Reference:	Well West Blinbry Drinkard Unit 144H
Project:	Lea County, NM	TVD Reference:	WELL @ 3498.0usft (JW #2)
Site:	Sec 17, T21S, 37E	MD Reference:	WELL @ 3498.0usft (JW #2)
Well:	West Blinbry Drinkard Unit 144H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 5000.1 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)
9,054.0	93.00	180.70	6,671.7	-2,525.4	-151.8	2,529.6	1.56	1.25	0.94
9,084.0	93.20	182.10	6,670.1	-2,555.4	-152.5	2,559.5	4.71	0.67	4.67
9,116.0	92.50	182.00	6,668.5	-2,587.3	-153.7	2,591.5	2.21	-2.19	-0.31
9,148.0	90.20	181.30	6,667.7	-2,619.3	-154.6	2,623.5	7.51	-7.19	-2.19
9,180.0	89.20	181.30	6,667.9	-2,651.3	-155.3	2,655.4	3.13	-3.13	0.00
9,210.0	88.20	180.90	6,668.6	-2,681.3	-155.9	2,685.4	3.59	-3.33	-1.33
9,242.0	87.80	180.40	6,669.7	-2,713.2	-156.3	2,717.4	2.00	-1.25	-1.56
9,272.0	89.40	180.90	6,670.4	-2,743.2	-156.6	2,747.4	5.59	5.33	1.67
9,304.0	90.50	181.60	6,670.5	-2,775.2	-157.3	2,779.4	4.07	3.44	2.19
9,335.0	91.10	182.30	6,670.0	-2,806.2	-158.4	2,810.4	2.97	1.94	2.26
9,365.0	91.60	183.20	6,669.3	-2,836.2	-159.8	2,840.3	3.43	1.67	3.00
9,397.0	92.10	183.90	6,668.3	-2,868.1	-161.8	2,872.3	2.69	1.56	2.19
9,428.0	92.30	183.20	6,667.1	-2,899.0	-163.7	2,903.3	2.35	0.65	-2.26
9,460.0	92.60	183.00	6,665.7	-2,930.9	-165.4	2,935.3	1.13	0.94	-0.63
9,491.0	91.50	181.80	6,664.6	-2,961.9	-166.7	2,966.2	5.25	-3.55	-3.87
9,522.0	90.90	181.10	6,664.0	-2,992.9	-167.5	2,997.2	2.97	-1.94	-2.26
9,554.0	90.20	180.40	6,663.7	-3,024.8	-167.9	3,029.2	3.09	-2.19	-2.19
9,585.0	90.00	180.20	6,663.6	-3,055.8	-168.1	3,060.2	0.91	-0.65	-0.65
9,616.0	90.50	180.40	6,663.5	-3,086.8	-168.3	3,091.2	1.74	1.61	0.65
9,647.0	90.40	180.40	6,663.2	-3,117.8	-168.5	3,122.2	0.32	-0.32	0.00
9,678.0	89.90	180.00	6,663.1	-3,148.8	-168.6	3,153.1	2.07	-1.61	-1.29
9,709.0	89.80	179.70	6,663.2	-3,179.8	-168.5	3,184.1	1.02	-0.32	-0.97
9,740.0	89.90	179.90	6,663.3	-3,210.8	-168.4	3,215.1	0.72	0.32	0.65
9,771.0	89.80	180.00	6,663.4	-3,241.8	-168.4	3,246.0	0.46	-0.32	0.32
9,802.0	89.60	179.90	6,663.5	-3,272.8	-168.3	3,277.0	0.72	-0.65	-0.32
9,833.0	89.40	179.70	6,663.8	-3,303.8	-168.2	3,308.0	0.91	-0.65	-0.65
9,864.0	89.30	179.50	6,664.2	-3,334.8	-168.0	3,338.9	0.72	-0.32	-0.65
9,896.0	89.30	179.50	6,664.6	-3,366.8	-167.7	3,370.9	0.00	0.00	0.00
9,927.0	87.90	178.80	6,665.3	-3,397.8	-167.3	3,401.8	5.05	-4.52	-2.26
9,958.0	87.90	178.60	6,666.5	-3,428.8	-166.6	3,432.8	0.64	0.00	-0.65
9,990.0	87.90	178.50	6,667.6	-3,460.8	-165.8	3,464.7	0.31	0.00	-0.31
10,020.0	88.00	178.50	6,668.7	-3,490.7	-165.0	3,494.6	0.33	0.33	0.00
10,052.0	88.60	178.30	6,669.7	-3,522.7	-164.1	3,526.5	1.98	1.88	-0.63
10,083.0	88.10	177.90	6,670.5	-3,553.7	-163.1	3,557.4	2.07	-1.61	-1.29
10,115.0	88.00	177.90	6,671.6	-3,585.6	-161.9	3,589.3	0.31	-0.31	0.00
10,146.0	88.30	178.10	6,672.6	-3,616.6	-160.8	3,620.2	1.16	0.97	0.65
10,177.0	89.10	178.80	6,673.3	-3,647.6	-160.0	3,651.1	3.43	2.58	2.26
10,208.0	89.00	179.30	6,673.8	-3,678.6	-159.5	3,682.0	1.64	-0.32	1.61
10,239.0	89.50	179.20	6,674.3	-3,709.6	-159.0	3,713.0	1.64	1.61	-0.32
10,270.0	89.30	179.20	6,674.6	-3,740.6	-158.6	3,743.9	0.65	-0.65	0.00
10,301.0	89.30	179.00	6,675.0	-3,771.6	-158.1	3,774.9	0.65	0.00	-0.65
10,333.0	89.90	179.90	6,675.2	-3,803.6	-157.8	3,806.8	3.38	1.88	2.81
10,364.0	89.80	180.00	6,675.3	-3,834.6	-157.8	3,837.8	0.46	-0.32	0.32
10,395.0	90.20	180.40	6,675.3	-3,865.5	-157.9	3,868.8	1.82	1.29	1.29



DDC
Survey Report



Company:	Apache Corporation	Local Co-ordinate Reference:	Well West Blinbry Drinkard Unit 144H
Project:	Lea County, NM	TVD Reference:	WELL @ 3498.0usft (JW #2)
Site:	Sec 17, T21S, 37E	MD Reference:	WELL @ 3498.0usft (JW #2)
Well:	West Blinbry Drinkard Unit 144H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 5000.1 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)
10,426.0	90.40	180.60	6,675.1	-3,896.5	-158.2	3,899.8	0.91	0.65	0.65
10,458.0	90.00	180.40	6,675.0	-3,928.5	-158.5	3,931.7	1.40	-1.25	-0.63
10,490.0	90.30	180.40	6,674.9	-3,960.5	-158.7	3,963.7	0.94	0.94	0.00
10,521.0	90.80	180.00	6,674.6	-3,991.5	-158.8	3,994.7	2.07	1.61	-1.29
10,553.0	90.50	179.90	6,674.2	-4,023.5	-158.8	4,026.7	0.99	-0.94	-0.31
10,585.0	90.70	180.00	6,673.9	-4,055.5	-158.7	4,058.6	0.70	0.63	0.31
10,616.0	90.80	179.50	6,673.5	-4,086.5	-158.6	4,089.6	1.64	0.32	-1.61
TD @ 10677' MD / 6673' TVD									
10,677.0	90.80	179.50	6,672.7	-4,147.5	-158.1	4,150.5	0.00	0.00	0.00

Survey Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
6,107.0	6,105.9	55.7	25.6	Tie In @ 6107' MD / 6106' TVD
10,677.0	6,672.7	-4,147.5	-158.1	TD @ 10677' MD / 6673' TVD

Checked By: _____	Approved By: _____	Date: _____
-------------------	--------------------	-------------

Company Name: Apache Corporation
West Blinebry Drinkard Unit 144H
Lea County, NM
Rig: JW #2
Created By: Dina Chance
Date: 5/16/2012

West Blinebry Drinkard Unit 144H
Lea County, NM
Q120065 & WT-12265

Apache



WELL DETAILS: West Blinebry Drinkard Unit 144H

	Ground Level	3480.0			
+N-S	+E-W	North	East	Latitude	Longitude
0.0	0.0	541661.75	854741.12	32° 29' 19.72" N	103° 10' 58.577" W

PROJECT DETAILS: Lea County, NM

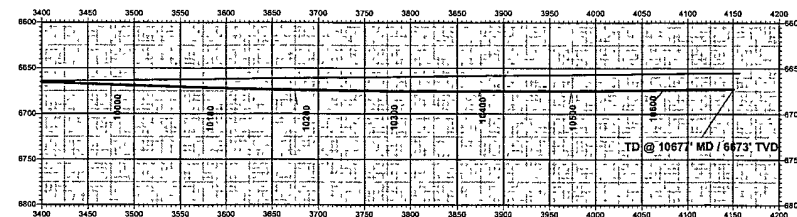
Geodetic System: US State Plane 1927 (Exact solution)
Datum: NAD 1927 (NADCON CONUS)
Ellipsoid: Clarke 1866
Zone: New Mexico East 3001
System Datum: Mean Sea Level

ANNOTATIONS

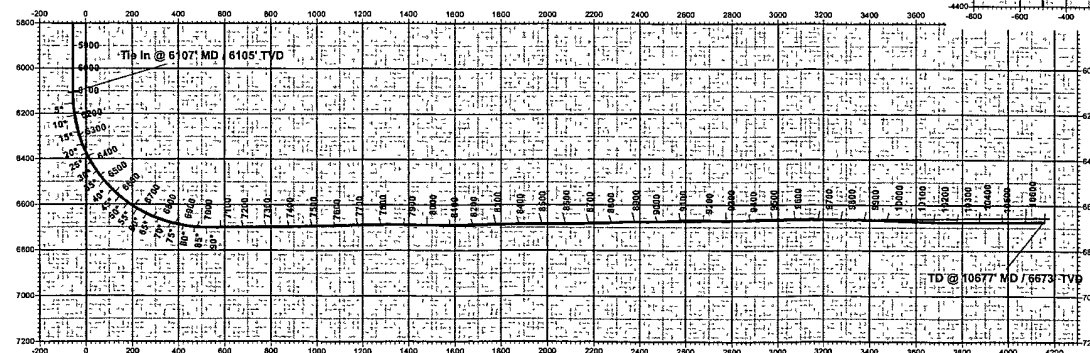
MD	Inc	Azi	TVD	+N-S	+E-W	VSec	Departure	Annotation
10677.0	90.80	179.50	6672.6	-4147.7	-158.1	4150.7	4318.5	TD @ 10677' MD / 6673' TVD

DESIGN TARGET DETAILS

Name	TVD	+N-S	+E-W	North	East	Latitude	Longitude
WBDU 117	7.0	-321.4	-201.6	541339.90	854539.50	32° 28' 58.809" N	103° 11' 0.371" W
- plan misses target center by 379.8usft at 6.5usft MD (6.5' TVD, 0.0 N, 0.0 E)							
Tie In @ 6107' MD / 6105' TVD	6105.9	55.7	25.6	541717.45	854765.72	32° 29' 2.520" N	103° 10' 58.271" W
- plan hits target center							
PBHL West Blinebry Drinkard Unit 144H655.0	-4153.5	-173.2	537508.21	854567.91	32° 28' 20.896" N	103° 11' 1.121" W	
- plan hits target center							



Vertical Section at 182.39° (50 usft/in)



Vertical Section at 182.39° (200 usft/in)

