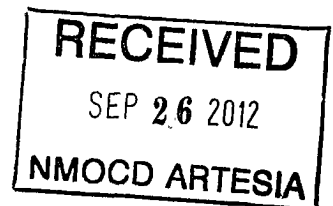
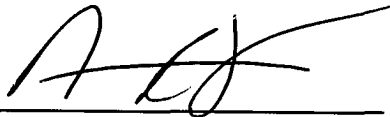


Apache Corporation
6120 S. Yale Ste 1500
Tulsa, OK 74136

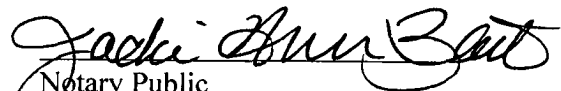
Washington 33 State #063 API # 30-015-40118
Eddy County, New Mexico 330' FSL + 2275' FWL, UL: N, 33-175-28 E

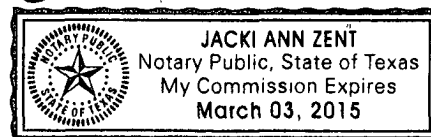
224	2.24	0.75	1.31	2.94	2.94
661	4.37	1.10	1.93	8.41	11.35
789	1.28	1.40	2.45	3.14	14.49
1046	2.57	2.20	3.85	9.89	24.38
1512	4.66	3.90	6.83	31.80	56.19
1943	4.31	3.60	6.30	27.15	83.34
2338	3.95	0.97	1.70	6.71	90.05
2593	2.55	1.06	3.00	7.65	97.70
2680	0.87	0.44	0.77	0.67	98.37
2851	1.71	0.26	0.46	0.78	99.14
2976	3.00	0.26	0.46	1.37	100.51
3235	2.59	0.35	0.61	1.59	102.09
3320	0.85	0.35	0.61	0.52	102.62
3448	1.28	0.18	0.32	0.40	103.02
3575	1.27	0.35	0.61	0.78	103.80
3745	1.70	0.26	0.46	0.77	104.57
3873	1.28	0.36	0.63	0.81	105.38
4001	1.28	0.62	1.09	1.39	106.77
4241	2.40	0.20	0.35	0.84	107.61
4539	2.98	0.90	1.58	4.69	112.30
4794	2.55	2.20	3.85	9.82	122.12
5100	3.06	2.00	3.50	10.71	132.83

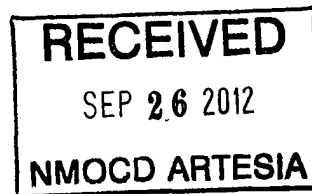



Archie Brown - General Manager

The attached instrument was acknowledged before me on the 3rd day of July, 2012 by
Archie Brown - General Manager, CapStar Drilling, Inc.


Notary Public





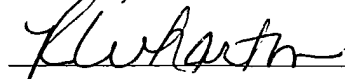
APACHE CORP

Artesia
Eddy County, NM
Washington 33 State #63
DH - Job #32D0612762

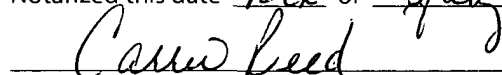
Survey: MWD

SDI Standard Survey Report

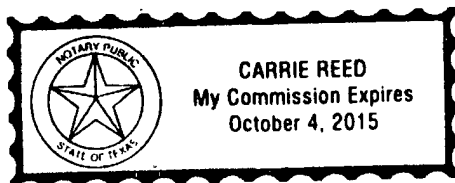
This survey is correct to the best of my knowledge and is supported by actual field data.



Notarized this date 10th of July, 2012.



Notary Signature
County of Midland
State of Texas



Scientific Drilling International, Inc.
SDI Standard Survey Report



Company:	APACHE CORP	Local Co-ordinate Reference:	Well Washington 33 State #63
Project:	Artesia	TVD Reference:	WELL @ 0 00usft (Original Well Elev)
Site:	Eddy County, NM	MD Reference:	WELL @ 0 00usft (Original Well Elev)
Well:	Washington 33 State #63	North Reference:	Grid
Wellbore:	DH - Job #32D0612762	Survey Calculation Method:	Minimum Curvature
Design:	DH - Job #32D0612762	Database:	EDM-Regulatory

Project	Artesia		
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		Eddy County, NM			
Site Position:		Northing:	657,539 57 usft	Latitude:	32° 48' 27 000 N
From:	Lat/Long	Easting:	562,458 61 usft	Longitude:	104° 7' 48 176 W
Position Uncertainty:	0 00 usft	Slot Radius:	13-3/16"	Grid Convergence:	0 11 °

Well	Washington 33 State #63, Directional					
Well Position	+N/-S	0 00 usft	Northing:	655,143.75 usft	Latitude:	32° 48' 3 000 N
	+E/-W	0 00 usft	Easting:	576,305.53 usft	Longitude:	104° 5' 6 000 W
Position Uncertainty		0 00 usft	Wellhead Elevation:	usft	Ground Level:	0 00 usft

Wellbore						DH - Job #32D0612762									
Magnetics						Model Name		Sample Date		Declination (°)		Dip Angle (°)		Field Strength (nT)	
						IGRF2010		06/23/12		7 74		60 61		48,830	

Design:	DH - Job #32D0612762			
Audit Notes:				
Version:	1 0	Phase:	ACTUAL	Tie On Depth: 0 00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0 00	0 00	0 00	331 68

Survey Program		Date	07/10/12		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
544 00	4,131 00	MWD (DH - Job #32D0612762)	MWD	MWD	

Survey								
Measured Depth (usft)	Inclination (°)	Azimuth (°)	True Vertical Depth	North/South (usft)	East/West (usft)	Closure Azimuth (°)	Closure Distance (usft)	
0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
544 00	0 70	7 67	543 99	3 29	0 44	7 67	3 32	
929 00	1 23	2 97	928 93	9 75	0 97	5 69	9 80	
1,356 00	2 55	318 10	1,355 71	21 40	-5 14	346 51	22 01	
1,869 00	4 18	324 93	1,867 81	45 20	-23 50	332 53	50 94	
2,079 00	3 80	325 80	2,077 30	57 22	-31 81	330 93	65 46	
2,167 00	2 73	331 10	2,165 16	61 46	-34 46	330 72	70 46	
2,252 00	2 29	338 93	2,250 07	64 82	-36 05	330 92	74 17	
2,338 00	0 97	307 29	2,336 04	66 86	-37 25	330 88	76 54	
2,424 00	0 97	317 66	2,422 03	67 84	-38 32	330 54	77 92	
2,509 00	0 88	307 02	2,507 02	68 77	-39 32	330 24	79 22	
2,594 00	1 06	314 80	2,592 00	69 71	-40 40	329 91	80 58	

Scientific Drilling International, Inc.
SDI Standard Survey Report



Company:	APACHE CORP	Local Co-ordinate Reference:	Well Washington 33 State #63
Project:	Artesia	TVD Reference:	WELL @ 0 00usft (Original Well Elev)
Site:	Eddy County, NM	MD Reference:	WELL @ 0 00usft (Original Well Elev)
Well:	Washington 33 State #63	North Reference:	Grid
Wellbore:	DH - Job #32D0612762	Survey Calculation Method:	Minimum Curvature
Design:	DH - Job #32D0612762	Database:	EDM-Regulatory

Survey							
Measured Depth (usft)	Inclination (°)	Azimuth (°)	True Vertical Depth	North/South (usft)	East/West (usft)	Closure Azimuth (°)	Closure Distance (usft)
2,680 00	0 44	341 65	2,678 00	70 59	-41 07	329 81	81 67
2,851 00	0 26	344 82	2,848 99	71 59	-41 38	329 97	82 68
2,976 00	0 26	343 32	2,973 99	72 13	-41 53	330 07	83 23
3,105 00	0 09	52.58	3,102 99	72 47	-41 54	330 18	83 53
3,235 00	0 35	65 06	3,232 99	72 70	-41 10	330 52	83 51
3,367 00	0 35	15 14	3,364 99	73 26	-40 63	330 99	83 77
3,495 00	0 18	14 70	3,492 99	73 83	-40 47	331 27	84 20
3,623 00	0 35	101 10	3,620 98	73 95	-40 04	331 57	84 10
3,745 00	0 26	159 46	3,742 98	73.62	-39 57	331 74	83 58
3,873 00	0 26	164.03	3,870 98	73 07	-39 39	331 67	83 01
4,003 00	0 62	146 45	4,000 98	72 20	-38 92	331 67	82.02
4,131 00	0 44	158 40	4,128 97	71 17	-38 36	331 68	80 85



Scientific Drilling
Directional Drilling Operations

Project: Artesia
Eddy County, NM
Well: Washington 33 State #63
Wellbore: DH - Job #32D0612762
Design: DH - Job #32D0612762

WELL DETAILS: Washington 33 State #63
WELL @ 0.00usft (Original Well Elev)
Ground Level: 0.00

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.00	0.00	655143.75	576305.53	32° 48' 3.000 N	104° 5' 6.000 W	

