



SUR: M. 34-215-37e
1137/s & 495/w
BHL: L-34-215-37e
2222/s & 706/w
30-025-35638

End of Job Report

**Apache Corporation
Owen B Well #10
Lea County, New Mexico**

Prepared for Mr. Dennis Bickford

**Prepared by Judy Dixon
October 4, 2001**



Weatherford
Drilling & Intervention Services





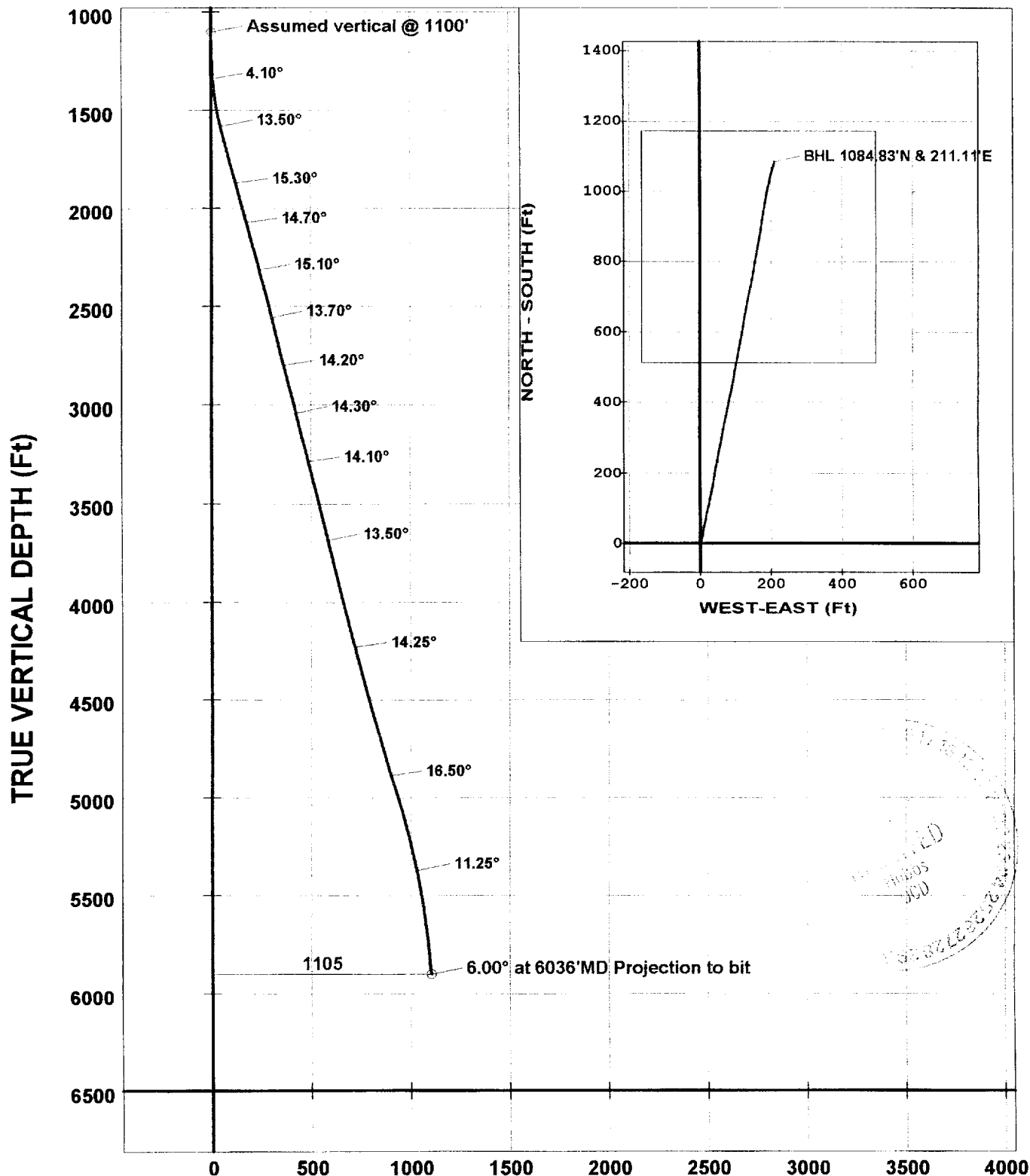
Job Number:
Company: Apache Corporation
Lease/Well: Owen B Well #10
Location: Lea County
Rig Name:
RKB:
G.L. or M.S.L.:

State/Country: New Mexico
Declination: 8.54° East
Grid: True North
File name: C:\WINSERVE\CLIENTS\CLIENT\APACHE\OWENB1
Date/Time: 04-Oct-01 / 09:39
Curve Name: Owen "B" #10

WINSERVE SURVEY CALCULATIONS
 Minimum Curvature Method
 Vertical Section Plane 11.07
 Vertical Section Referenced to Wellhead
 Rectangular Coordinates Referenced to Wellhead

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	CLOSURE Distance FT	Direction Deg	Dogleg Severity Deg/100
Assumed vertical @1100									
1100.00	.00	.00	1100.00	.00	.00	.00	.00	.00	.00
1180.00	.80	26.10	1180.00	.50	.25	.54	.56	26.10	1.00
1214.00	2.10	20.90	1213.99	1.30	.57	1.38	1.42	23.82	3.84
1275.00	2.10	19.40	1274.94	3.39	1.34	3.59	3.65	21.57	.09
1338.00	4.10	15.70	1337.85	6.65	2.34	6.98	7.05	19.34	3.19
1400.00	7.00	12.20	1399.55	12.48	3.73	12.96	13.03	16.66	4.71
1463.00	9.10	9.80	1461.93	21.14	5.39	21.78	21.82	14.31	3.38
1523.00	11.00	10.70	1521.01	31.44	7.26	32.25	32.27	13.01	3.18
1584.00	13.50	10.80	1580.61	44.16	9.68	45.19	45.21	12.36	4.10
1650.00	14.30	11.10	1644.68	59.72	12.69	61.05	61.06	12.00	1.22
1713.00	14.90	12.10	1705.64	75.28	15.89	76.93	76.94	11.92	1.03
1776.00	15.10	12.00	1766.50	91.23	19.29	93.23	93.24	11.94	.32
1883.00	15.30	12.30	1869.75	118.65	25.20	121.28	121.30	11.99	.20
1902.00	14.90	11.70	1888.10	123.49	26.23	126.23	126.25	11.99	2.26
1965.00	15.20	12.60	1948.94	139.48	29.67	142.59	142.60	12.01	.60
2030.00	15.10	11.70	2011.68	156.09	33.25	159.57	159.59	12.02	.39
2093.00	14.70	10.30	2072.56	171.99	36.34	175.77	175.79	11.93	.85
2154.00	15.00	10.20	2131.52	187.37	39.12	191.40	191.41	11.79	.49
2218.00	15.30	10.80	2193.30	203.82	42.17	208.12	208.14	11.69	.53
2280.00	15.00	10.80	2253.14	219.74	45.21	224.33	224.34	11.63	.48
2343.00	15.10	11.30	2313.98	235.79	48.34	240.69	240.70	11.59	.26

Company: Apache Corporation
 Lease/Well: Owen B Well #10
 Location: Lea County
 State/Country: New Mexico



— Owen "B" #10

VERTICAL SECTION (Ft) @ 11.07°

SURVEY CERTIFICATION

STATE OF TEXAS

COUNTY OF MIDLAND

I, LEE ALLEN CERTIFY THAT; I AM EMPLOYED BY

WEATHERFORD US, LP; THAT I DID ON THE DAY(S) OF 9-11-01

THROUGH 9-22-01 CONDUCT OR SUPERVISE THE TAKING OF A

Steering Tool & Single Shot SURVEY FROM A DEPTH OF 1200 FEET

TO A DEPTH OF 6001 FEET; THE DATA IS TRUE, CORRECT,

COMPLETE, AND WITHIN THE LIMITATIONS OF THE TOOL AS SET

FORTH BY WEATHERFORD US, LP; THAT I AM AUTHORIZED AND

QUALIFIED TO MAKE THIS REPORT; THAT THIS SURVEY WAS

CONDUCTED AT THE REQUEST Apache Corp FOR THE

Owen B #10 WELL API NO. _____ IN

Lea COUNTY; New Mexico ~~TEXAS~~; AND THAT I HAVE

REVIEWED THIS REPORT AND FIND THAT IT CONFORMS TO THE

PRINCIPLES AND PROCEDURES AS SET FORTH BY WEATHERFORD US,

LP.

Lee R. Allen

9-22-01

LEE ALLEN

