



Directional Survey

Well Name: Encore "6" State 1

Unit F, b-17s-35e

1650h & 1650w

API/UWI 30-025-38000	Surface Legal Location Sec 6, T17S - R35E	Field Name Vacuum	Location New Mexico	County Lea	State/Province NM
Original KB Elevation (ft) 4,051.00	Ground Elevation (ft) 4,025.00	Casing Flange Elevation (ft)	KB-Ground Distance (ft) 26.00	Spud Date 10/30/2006 7:30:00 PM	Rig Release Date 12/16/2006 6:00:00 AM

Wellbore Name Original Hole	Parent Wellbore	Kick Off Depth (ftKB)	Vertical Section Direction (*)
Date 10/30/2006	Definitive? No	Description Totco	Proposed? No
MD Tie In (ftKB)	TVD Tie In (ftKB)	Inclination Tie In (*)	Azimuth Tie In (*)
		NS Tie In (ft)	EW Tie In (ft)

Survey Data										
Date	MD (ftKB)	Incl (*)	Azm (*)	TVD (ftKB)	VS (ft)	NS (ft)	EW (ft)	DLS (*/100ft)	Method	Survey Company
10/30/2006	198.00	1.00	0.00	197.99	1.73	1.73	0.00	0.51	Wireline	Nabors
10/31/2006	557.00	1.00	0.00	556.94	7.99	7.99	0.00	0.00	Wireline	Nabors
11/4/2006	1,030.00	0.25	0.00	1,029.90	13.15	13.15	0.00	0.16	Wireline	Nabors
11/5/2006	1,207.00	0.75	0.00	1,206.90	14.70	14.70	0.00	0.28	Wireline	Nabors
11/4/2006	1,534.00	0.25	0.00	1,533.88	17.55	17.55	0.00	0.15	Wireline	Nabors
11/6/2006	2,480.00	1.00	0.00	2,479.82	27.87	27.87	0.00	0.08	Wireline	Nabors
11/6/2006	2,993.00	1.75	0.00	2,992.67	40.18	40.18	0.00	0.15	Wireline	Nabors
11/7/2006	3,331.00	0.75	0.00	3,330.58	47.55	47.55	0.00	0.30	Wireline	Nabors
11/8/2006	3,844.00	0.25	0.00	3,843.56	52.03	52.03	0.00	0.10	Wireline	Nabors
11/12/2006	4,580.00	0.25	0.00	4,579.56	55.24	55.24	0.00	0.00	Wireline	Nabors
11/13/2006	5,054.00	1.00	0.00	5,053.52	60.41	60.41	0.00	0.16	Wireline	Nabors
11/14/2006	5,306.00	0.75	0.00	5,305.50	64.26	64.26	0.00	0.10	Wireline	Nabors
11/15/2006	5,780.00	0.75	0.00	5,779.45	70.46	70.46	0.00	0.00	Wireline	Nabors
11/16/2006	6,254.00	0.75	0.00	6,253.41	76.67	76.67	0.00	0.00	Wireline	Nabors
11/17/2006	6,728.00	0.50	0.00	6,727.39	81.84	81.84	0.00	0.05	Wireline	Nabors
11/19/2006	7,201.00	1.00	0.00	7,200.34	88.03	88.03	0.00	0.11	Wireline	Nabors
11/21/2006	7,642.00	0.50	0.00	7,641.30	93.80	93.80	0.00	0.11	Wireline	Nabors
11/22/2006	8,181.00	0.50	0.00	8,180.28	98.51	98.51	0.00	0.00	Wireline	Nabors
11/23/2006	8,654.00	0.25	0.00	8,653.27	101.60	101.60	0.00	0.05	Wireline	Nabors
11/24/2006	9,158.00	0.75	0.00	9,157.25	106.00	106.00	0.00	0.10	Wireline	Nabors
11/25/2006	9,661.00	1.25	0.00	9,660.17	114.78	114.78	0.00	0.10	Wireline	Nabors
11/26/2006	9,990.00	1.25	0.00	9,989.10	121.96	121.96	0.00	0.00	Wireline	Nabors
11/27/2006	10,467.00	1.00	0.00	10,466.00	131.32	131.32	0.00	0.05	Wireline	Nabors
11/28/2006	10,724.00	1.50	0.00	10,722.94	136.93	136.93	0.00	0.19	Wireline	Nabors
11/30/2006	11,220.00	2.00	0.00	11,218.71	152.08	152.08	0.00	0.10	Wireline	Nabors
12/2/2006	11,665.00	1.50	0.00	11,663.50	165.66	165.66	0.00	0.11	Wireline	Nabors
12/6/2006	12,222.00	1.75	0.00	12,220.27	181.46	181.46	0.00	0.04	Wireline	Nabors
12/12/2006	12,820.00	2.50	0.00	12,817.86	203.63	203.63	0.00	0.13	Wireline	Nabors