



PO Box 1370
Artesia, NM 88211-1370
(505) 748-1288

February 1, 2007

30-025-38203

Mack Energy Corporation
PO Box 960
Artesia, NM 88211-0960

RE: Raven State #4
2310' FNL & 330' FWL
Sec. 9, T18S, R34E
Lea County, New Mexico

Unit E

Dear Sir,

The following is the Deviation Survey for the above captioned well.

DEPTH	DEVIATION	DEPTH	DEVIATION	DEPTH	DEVIATION
292'	0.75°	3278'	0.75°	6470'	1.00°
497'	2.00°	3545'	0.75°	6751'	0.75°
849'	2.75°	3763'	1.00°	6999'	0.75°
971'	2.75°	3950'	1.00°	7405'	1.75°
1126'	2.25°	4199'	1.00°	7528'	3.25°
1253'	2.50°	4418'	1.00°	7623'	4.50°
1378'	3.00°	4541'	0.75°	7716'	4.75°
1502'	3.75°	4666'	1.00°	7809'	4.50°
1626'	2.50°	4791'	0.75°	7934'	4.75°
1723'	1.75°	5072'	0.25°	8090'	5.75°
1907'	1.75°	5321'	0.50°	8152'	6.00°
2218'	1.25°	5601'	0.25°	8274'	5.25°
2559'	1.25°	5756'	0.50°	8401'	4.00°
2779'	1.00°	5886'	0.75°	8524'	3.75°
2997'	0.50°	6036'	1.00°	8835'	2.50°
3091'	1.00°	6222'	1.00°	9086'	4.00°

Very truly yours,

Eddie C. LaRue
Operations Manager

State of New Mexico }
County of Eddy }

The foregoing was acknowledged before me this 1st day of February, 2007.

Notary Public