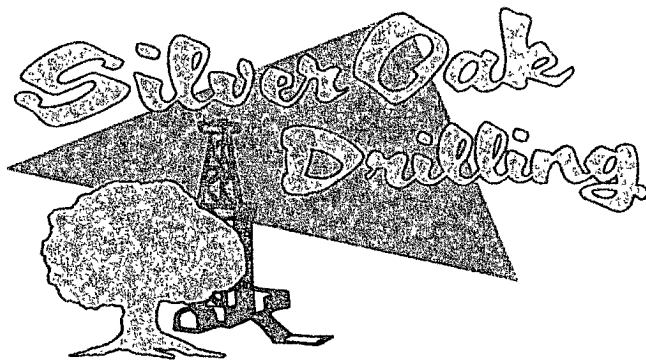




30-005-29164

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

HOBBS OCD

NOV 21 2011

RECEIVED

May 27, 2011

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

RE: Road Runner Federal Com #1  
2285' FNL & 330' FEL  
Sec. 24, T15S, R30E  
Chaves County, New Mexico

Dear Sir,

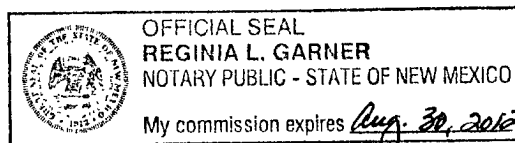
The attached is the Deviation Survey for the above captioned well.

Very truly yours,

Eddie C. LaRue  
Operations Manager

State of New Mexico }  
County of Eddy }

The foregoing was acknowledged before me this 27<sup>th</sup> day of May, 2011.

  
Notary Public

NOV 21 2011

# Pason DataHub Deviation Survey  
 # Well Dossier 1304281553 - ROAD RUNNER FEDERAL COM #1  
 #

| # | Date      | Depth | Deviation | Direction | TVD     |
|---|-----------|-------|-----------|-----------|---------|
|   | 5/2/2011  | 235   | 0.30      | 0.00      | 0.00    |
|   | 5/4/2011  | 625   | 0.40      | 110.00    | 0.00    |
|   | 5/4/2011  | 805   | 0.10      | 298.00    | 0.00    |
|   | 5/4/2011  | 974   | 0.20      | 321.00    | 976.00  |
|   | 5/4/2011  | 1159  | 0.30      | 136.00    | 1161.00 |
|   | 5/4/2011  | 1344  | 0.10      | 278.00    | 1346.00 |
|   | 5/5/2011  | 1526  | 0.20      | 78.00     | 1530.00 |
|   | 5/5/2011  | 1704  | 0.80      | 68.00     | 0.00    |
|   | 5/5/2011  | 1884  | 1.60      | 80.00     | 0.00    |
|   | 5/5/2011  | 2049  | 1.70      | 81.00     | 0.00    |
|   | 5/5/2011  | 2236  | 1.30      | 70.00     | 0.00    |
|   | 5/6/2011  | 2383  | 0.90      | 89.00     | 2418.00 |
|   | 5/6/2011  | 2541  | 0.70      | 83.00     | 2576.00 |
|   | 5/6/2011  | 2733  | 0.10      | 81.00     | 0.00    |
|   | 5/6/2011  | 2920  | 0.30      | 59.00     | 0.00    |
|   | 5/6/2011  | 3108  | 0.30      | 9.80      | 0.00    |
|   | 5/6/2011  | 3295  | 0.50      | 320.00    | 0.00    |
|   | 5/7/2011  | 3447  | 0.20      | 0.24      | 3482.00 |
|   | 5/7/2011  | 3673  | 0.60      | 344.00    | 0.00    |
|   | 5/7/2011  | 3857  | 0.50      | 360.00    | 0.00    |
|   | 5/7/2011  | 4018  | 0.60      | 7.80      | 0.00    |
|   | 5/7/2011  | 4143  | 0.60      | 8.80      | 0.00    |
|   | 5/8/2011  | 4246  | 0.20      | 1.00      | 4281.00 |
|   | 5/8/2011  | 4514  | 0.30      | 319.00    | 0.00    |
|   | 5/8/2011  | 4697  | 0.20      | 330.00    | 0.00    |
|   | 5/8/2011  | 4890  | 0.30      | 236.80    | 0.00    |
|   | 5/9/2011  | 5076  | 0.00      | 258.80    | 0.00    |
|   | 5/10/2011 | 5270  | 0.60      | 271.80    | 0.00    |
|   | 5/10/2011 | 5458  | 0.40      | 279.00    | 0.00    |
|   | 5/10/2011 | 5645  | 0.70      | 264.00    | 0.00    |
|   | 5/11/2011 | 5832  | 1.10      | 241.80    | 0.00    |
|   | 5/11/2011 | 6010  | 0.80      | 280.00    | 0.00    |
|   | 5/11/2011 | 6165  | 0.70      | 274.00    | 6220.00 |
|   | 5/12/2011 | 6361  | 0.80      | 280.80    | 0.00    |
|   | 5/13/2011 | 6420  | 0.62      | 292.98    | 6419.59 |
|   | 5/13/2011 | 6515  | 0.62      | 250.20    | 6514.59 |
|   | 5/13/2011 | 6608  | 0.70      | 206.32    | 6607.58 |
|   | 5/13/2011 | 6701  | 0.70      | 216.88    | 6700.58 |
|   | 5/13/2011 | 6887  | 0.53      | 249.76    | 0.00    |
|   | 5/14/2011 | 6982  | 0.62      | 231.24    | 6981.56 |
|   | 5/14/2011 | 7075  | 0.62      | 171.81    | 7074.56 |
|   | 5/14/2011 | 7168  | 0.62      | 169.65    | 7167.55 |
|   | 5/14/2011 | 7262  | 0.62      | 153.23    | 7261.54 |
|   | 5/14/2011 | 7449  | 0.79      | 134.10    | 0.00    |
|   | 5/14/2011 | 7542  | 0.97      | 139.07    | 7541.52 |
|   | 5/15/2011 | 7635  | 0.62      | 122.77    | 7634.00 |
|   | 5/16/2011 | 7728  | 0.18      | 259.54    | 7727.51 |
|   | 5/16/2011 | 7822  | 0.00      | 3.19      | 7821.51 |
|   | 5/16/2011 | 7915  | 0.09      | 335.04    | 7914.51 |

| #     | Date      | Depth | Deviation | Direction | TVD     |
|-------|-----------|-------|-----------|-----------|---------|
|       | 5/16/2011 | 8009  | 0.09      | 22.72     | 8008.51 |
|       | 5/17/2011 | 8102  | 0.26      | 39.92     | 8101.51 |
|       | 5/17/2011 | 8289  | 0.35      | 14.70     | 8288.51 |
|       | 5/17/2011 | 8476  | 0.35      | 110.21    | 8475.56 |
|       | 5/18/2011 | 8662  | 0.26      | 6.47      | 8661.50 |
|       | 5/18/2011 | 8861  | 0.26      | 53.67     | 8860.50 |
|       | 5/18/2011 | 8947  | 0.18      | 74.73     | 8946.50 |
| # EOF |           |       |           |           |         |