



PO Box 1370
Artesia, NM 88211-1370
(575) 748-1288

30-015-40817

March 22, 2013

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

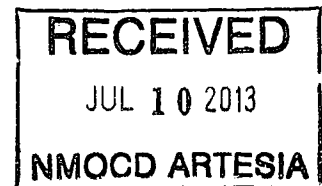
RE: Derrick Fee #1
1675' FNL & 330' FEL
Sec. 4, T23S, R27E
Eddy County, New Mexico

Dear Sir,

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

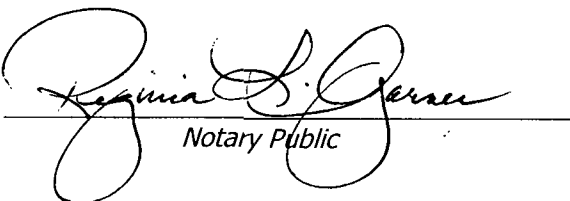
Very truly yours,

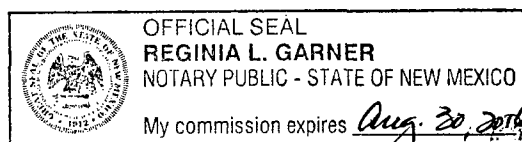

Eddie C. LaRue
Operations Manager



State of New Mexico }
County of Eddy }

The foregoing was acknowledged before me this 22nd day of March, 2013.


Regina L. Garner
Notary Public



SCANNED

Well Dossier 1361982204 - DERRICK FEE # 1

MD(ftKB) Incl/Dev Azm/Dir TVD(ftKB)

154	0.07	0.00	0.00
322	0.70	0.00	398.00
447	1.40	62.00	446.96
534	1.10	66.00	533.93
682	1.10	73.00	681.91
863	0.70	99.80	862.89
1050	0.70	135.60	1049.87
1237	2.00	120.60	1236.82
1426	1.50	94.20	1425.73
1611	2.70	96.20	1610.60
1798	1.50	49.50	1797.49
1954	1.10	29.90	1953.45
2047	1.10	41.20	2046.43
2140	3.10	85.70	2139.37
2233	4.40	89.60	2232.17
2327	7.20	95.80	2325.68
2421	9.80	95.10	2418.64
2514	6.70	85.60	2510.67
2608	7.40	86.30	2603.96
2701	6.00	90.50	2696.32
2795	6.00	89.40	2789.80
2888	6.00	89.90	2882.29
2981	6.10	89.70	2974.78
3075	6.10	88.60	3068.24
3168	6.20	85.70	3160.71
3262	6.20	85.60	3254.16
3355	6.00	84.50	3346.63
3449	6.00	97.70	3440.12
3542	6.00	98.00	3532.61
3635	5.70	84.90	3625.13
3728	5.90	82.20	3717.66
3822	5.60	85.60	3811.18
3915	4.80	93.30	3903.80
4008	4.80	89.80	3996.48
4102	4.50	91.30	4090.17
4195	5.20	88.40	4182.83
4289	5.40	88.50	4276.43
4382	5.20	86.30	4369.03
4475	5.00	84.50	4461.67
4569	4.80	86.10	4555.32
4662	5.50	90.70	4647.95
4756	5.40	88.90	4741.52
4849	5.40	90.20	4834.11

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MD(ftKB) Incl/Dev Azm/Dir TVD(ftKB)

4943	4.80	97.60	4927.74
5036	3.30	91.50	5020.50
5129	1.50	103.20	5113.42
5254	1.50	109.40	5238.37
5440	1.30	192.00	5424.34
5627	2.00	191.60	5611.26
5814	1.20	229.90	5798.19
6001	0.60	254.20	5985.16
6200	0.80	246.70	6184.15
6386	1.30	256.00	6370.12
6573	1.20	249.80	6557.07
6760	0.80	246.70	6744.04
6946	0.90	178.60	6930.03
7133	1.10	203.20	7117.00
7320	1.20	212.80	7303.96
7507	0.60	188.80	7490.94
7693	0.80	182.40	7676.92
7880	2.00	152.40	7863.87
7905	1.80	140.20	7889.11
8067	0.70	268.20	8050.83
8253	1.50	166.40	8236.81
8439	1.20	167.10	8422.75
8625	1.80	154.30	8608.69
8812	0.60	140.20	8795.65
9000	0.50	224.60	8983.64
9186	0.90	210.50	9169.63
9373	1.20	117.20	9356.60
9560	1.00	91.10	9543.57
9747	0.20	191.10	9730.56
9934	1.20	290.90	9917.55
10121	1.80	260.20	10104.49
10172	1.80	255.70	10155.01
10201	1.80	242.50	10183.99
10261	1.90	242.50	10243.96
10261	1.90	256.30	10243.96
10265	1.50	256.30	10248.45
10265	1.50	264.40	10248.45
10291	1.50	256.70	10274.59
10324	0.90	256.70	10306.91
10325	0.90	264.80	10308.09
10354	1.20	264.80	10337.34
10354	1.10	269.60	10337.40
10354	1.10	275.30	10337.40
10355	1.20	269.60	10338.36
10447	1.10	287.10	10430.18

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MD(ftKB) Incl/Dev Azm/Dir TVD(ftKB)

10471	112.00	344.80	10441.81
10471	39.30	344.80	10441.81
10472	92.30	288.90	10442.05
10472	73.70	288.90	10442.05
10473	1.10	288.90	10442.79
10479	0.40	287.10	10448.30
10480	98.10	288.90	10448.99
10482	98.10	344.80	10448.65
10510	1.20	287.10	10464.97
10512	1.20	288.40	10466.15
10517	1.10	288.40	10472.06
10517	1.10	284.40	10472.06

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