



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

April 2, 2019

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

RE: Maple Ridge Fed Com 1H
565' FNL & 2285' FEL
Sec. 23, T17S, R29E
Chaves County, New Mexico

Dear Sir,

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

Very truly yours,

A handwritten signature in black ink, appearing to read "Chris Graham".

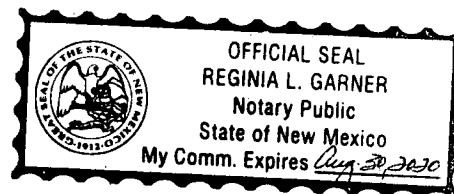
Chris Graham
Operations Manager

State of New Mexico }
County of Eddy }

The foregoing was acknowledged before me this 2nd day of April, 2019

A handwritten signature in black ink, appearing to read "Regina L. Garner".

Notary Public



MAPLE RIDGE FED #1-H

MD(ftKB) Incl(deg) Azm(deg) TVD(ftKB)

312	1.80	234.00	311.95
693	0.60	27.80	692.90
1147	1.50	116.50	1146.84
1267	1.40	115.80	1266.80
1457	1.50	131.40	1456.74
1836	1.00	302.90	1835.70
2024	1.10	277.90	2023.67
2213	1.10	271.90	2212.64
2402	1.00	274.40	2401.61
2592	1.10	270.69	2591.58
2635	1.10	262.00	2634.57
2655	0.90	278.00	2654.56
2687	1.50	317.00	2686.56
2717	3.20	338.60	2716.53
2781	7.70	346.10	2780.23
2812	9.80	347.90	2810.86
2906	17.50	352.90	2902.14
3000	25.80	1.60	2989.46
3032	28.00	2.90	3017.99
3332	48.70	4.30	3251.99
3385	53.70	5.00	3285.19
3400	54.10	5.00	3294.03
3460	55.10	4.80	3328.79
3530	62.10	5.00	3365.23
3626	73.10	1.80	3401.77
3657	75.10	358.80	3410.26
3721	83.30	357.30	3422.25
3784	90.40	358.00	3425.71
3848	91.10	360.00	3424.87
4037	92.00	360.00	3419.76
4132	90.90	2.60	3417.35
4417	89.70	1.50	3415.86
4607	90.00	359.90	3416.36
4701	89.70	359.50	3416.60
4796	90.90	358.90	3416.10
4891	90.60	0.40	3414.86
4985	90.20	1.00	
5080	89.10	0.30	
5270	90.00	1.00	3412.00
5366	88.70	1.70	3413.00
5486	90.80	1.70	3407.59

MD(ftKB) Incl(deg) Azm(deg) TVD(ftKB)

5865	90.00	0.60	3404.95
5960	90.70	0.40	3404.37
6055	89.60	0.70	3404.12
6149	89.50	0.90	3404.86
6243	89.90	1.00	3405.35
6337	90.60	1.70	3404.94
6716	90.80	0.40	3400.31
7001	89.50	359.50	3399.56
7096	90.10	360.00	3399.89
7474	90.00	1.00	3399.56
7568	91.00	1.10	3398.74
7664	88.20	0.20	3399.41
7759	88.70	0.30	3401.98
7853	89.30	0.30	3403.62
7947	90.10	0.30	3424.00
8043	90.90	1.00	3423.00
8137	90.50	1.10	3422.00
8231	90.60	1.20	3421.00
8326	90.20	1.70	3405.69
8421	90.30	1.70	3420.00
8610	90.30	0.80	3404.45
8705	88.40	0.20	3405.52

EOF