



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

September 28, 2017

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

RE: Klondike State Com #1H
700' FSL & 2285' FEL
Sec. 23, T15S, R28E
Chaves County, New Mexico
30-005-64295

Dear Sir,

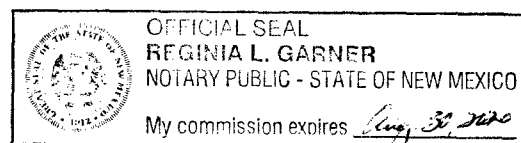
The attached is the Deviation Survey for the above captioned well.

Very truly yours,

Eddie LaRue
Operations Manager

State of New Mexico }
County of Eddy }

The foregoing was acknowledged before me this 28th day of September, 2017

Notary Public

Klondike St Com 1H

Depth	Deviation	Direction	TVD
181	0.90	53.30	180.99
334	1.20	49.00	333.97
519	1.00	50.80	518.93
703	1.00	40.00	702.90
887	0.70	30.10	886.88
1073	0.50	48.40	1072.87
1166	0.60	38.80	1165.87
1233	0.30	41.60	1232.87
1390	0.00	34.50	1389.87
1580	0.00	57.00	1579.87
1769	0.50	188.20	1768.86
1957	0.70	211.50	1956.85
2146	0.70	223.50	2145.84
2239	0.70	215.40	2238.83
2271	2.40	187.40	2270.82
2302	6.50	187.60	2301.72
2334	11.60	183.80	2333.31
2335	0.70	219.50	2334.31
2365	15.90	181.60	2363.91
2396	19.60	180.40	2393.43
2428	21.80	180.30	2423.36
2459	23.10	180.50	2452.01
2490	25.10	181.20	2480.31
2521	26.20	183.70	2508.25
2524	0.40	218.80	2511.15
2553	27.30	186.00	2539.05
2585	29.70	187.00	2567.17
2616	32.20	185.40	2593.75
2647	34.10	184.40	2619.71
2678	35.40	183.40	2645.18
2710	38.60	181.80	2670.73
2741	42.20	180.40	2694.33
2759	0.80	240.90	2710.74
2772	45.10	181.30	2722.42
2804	47.80	182.50	2744.47
2867	54.40	180.90	2784.01
2899	57.50	180.20	2801.92
2903	0.50	252.10	2805.28
2930	60.30	179.70	2827.56
2962	63.00	179.70	2842.75
2993	66.10	179.50	2856.07
3025	69.10	179.00	2868.26
3056	72.10	178.90	2878.56

Depth	Deviation	Direction	TVD
3088	75.40	178.80	2887.51
3091	0.70	244.60	2889.72
3119	78.90	179.00	2909.64
3150	81.50	178.80	2914.91
3214	87.60	180.50	2920.99
3380	91.00	181.80	2923.02
3465	90.80	182.70	2921.68
3559	90.90	180.40	2920.29
3653	91.40	180.60	2918.40
3748	90.00	179.90	2917.24
3843	89.30	179.60	2917.82
3938	89.10	180.00	2919.15
4032	89.00	180.53	2920.71
4127	89.80	179.80	2921.70
4221	90.40	178.40	2921.54
4316	90.40	178.50	2920.87
4505	90.50	179.70	2919.39
4599	90.40	180.40	2918.65
4694	89.90	178.60	2918.40
4788	90.00	178.24	2918.48
4883	90.00	178.80	2918.48
4914	90.00	178.80	2918.48
4977	90.30	179.40	2918.32
5071	89.50	177.60	2918.48
5193	89.40	179.50	2919.65
5287	90.00	180.20	2920.15
5381	90.20	180.50	2919.98
5475	89.60	179.10	2920.15
5570	89.80	179.60	2920.64
5665	89.70	180.00	2921.06
5759	89.70	180.40	2921.55
5853	89.60	180.80	2922.12
5948	89.50	181.30	2922.87
6043	89.20	180.50	2923.95
6139	89.40	180.20	2925.12
6233	89.30	180.60	2926.19
6327	89.10	181.00	2927.50
6421	89.00	181.60	2929.06
6516	90.10	179.60	2929.80
6610	90.40	179.80	2929.39
6799	90.70	181.00	2927.58
6944	90.80	179.20	2925.68
6989	89.20	178.80	2925.68
7083	89.10	178.90	2927.08
7178	89.30	179.50	2928.40

Depth	Deviation	Direction	TVD
7272	89.10	179.80	2929.72
7367	89.50	180.80	2930.88
7460	89.60	181.80	2931.61
7552	87.60	181.30	2933.85
7645	86.90	178.90	2938.32
7738	90.40	178.10	2940.51
7830	90.80	177.50	2939.54
7923	90.30	177.00	2938.65
8018	90.80	177.90	2937.74
8111	92.50	181.40	2935.06
8202	92.00	181.00	2931.49
8297	91.30	180.80	2928.75
8392	89.50	180.40	2928.09
8486	89.60	180.40	2928.83
8580	90.90	181.10	2928.42
8675	89.90	181.30	2927.75
8770	90.30	180.80	2927.59
8889	89.10	181.10	2928.21