



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

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MAY 03 2018

DISTRICT II-ARTESIA O.C.D.

March 12, 2018

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

RE: Medicine Hat State Com #1H
200' FSL & 900' FWL
Sec. 35, T15S, R28E
Chaves County, New Mexico

30-005-64303

Dear Sir,

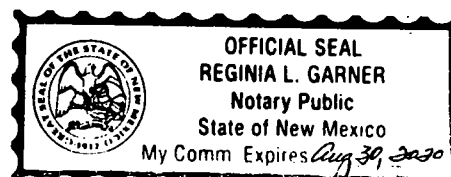
The attached is the Deviation Survey for the above captioned well.

Very truly yours,

Chris Graham
Operations Manager

State of New Mexico }
County of Eddy }

The foregoing was acknowledged before me this 12th day of March, 2018

Notary Public

Medicine Hat St Com 1H

Date	Depth	Deviation	Direction	TVD
2/13/2018	179	0.40		
2/13/2018	239	0.30	139.00	
2/14/2018	440	0.60	85.00	
2/15/2018	532	0.80	74.50	
2/16/2018	691	0.80	69.20	197.98
2/16/2018	876	0.20	252.00	382.98
2/16/2018	1061	0.20	358.10	567.98
2/16/2018	1247	0.40	1.90	753.98
2/16/2018	1433	0.40	0.40	939.97
2/17/2018	1530	3.00	37.70	1529.95
2/18/2018	1715	0.80	215.90	1714.96
2/18/2018	1900	0.80	236.90	1899.95
2/18/2018	2085	1.00	150.90	2084.93
2/18/2018	2270	0.60	79.90	2324.90
2/18/2018	2641	1.10	260.80	2640.90
2/18/2018	2826	1.20	262.50	2825.86
2/18/2018	3010	0.30	327.00	3009.84
2/19/2018	3196	0.30	38.80	3195.84
2/19/2018	3206	0.30	342.50	3205.00
2/23/2018	2017	0.20	330.80	2016.94
2/24/2018	2114	3.80	3.70	
2/25/2018	2145	6.30	2.30	
2/25/2018	2175	8.70	4.20	
2/25/2018	2237	9.80	3.60	
2/25/2018	2299	11.20	3.50	
2/25/2018	2360	13.70	0.10	
2/25/2018	2453	22.20	357.10	
2/25/2018	2545	33.90	1.80	
2/25/2018	2638	44.60	3.00	
2/25/2018	2700	50.20	1.70	
2/25/2018	2762	54.00	360.00	
2/25/2018	2824	57.10	359.40	
2/25/2018	2885	58.10	359.70	
2/25/2018	2947	58.90	360.00	
2/25/2018	3009	59.60	0.40	
2/25/2018	3070	63.20	359.80	
2/26/2018	3194	74.10	358.70	
2/26/2018	3255	80.70	358.50	
2/26/2018	3381	90.60	0.20	
2/26/2018	3474	53.10	0.20	
2/26/2018	3572	92.30	360.00	
2/26/2018	3667	90.30	0.30	
2/26/2018	3857	90.20	359.80	

Date	Depth	Deviation	Direction	TVD
2/26/2018	3952	91.30	359.50	
2/26/2018	4048	90.00	360.00	
2/26/2018	4143	91.30	35.00	
2/26/2018	4238	89.60	0.50	
2/26/2018	4333	91.00	0.30	
2/26/2018	4429	91.20	359.30	
2/26/2018	4523	92.60	359.20	
2/26/2018	4616	90.30	358.60	
2/26/2018	4708	91.50	359.00	
2/27/2018	4803	89.70	339.30	
2/27/2018	4897	91.10	360.00	
2/27/2018	4990	92.60	0.90	
2/27/2018	5083	90.90	1.00	
2/27/2018	5177	89.10	1.20	
2/27/2018	5270	90.30	1.10	
2/27/2018	5458	91.00	358.00	
2/27/2018	5551	89.90	359.10	
2/27/2018	5646	91.40	359.10	
2/27/2018	5740	90.50	359.70	
2/27/2018	5834	91.80	359.70	
2/28/2018	5953	90.60	0.60	
2/28/2018	6051	89.70	0.30	
2/28/2018	6144	89.50	360.00	
2/28/2018	6232	89.10	359.00	
3/1/2018	6324	91.40	358.90	
3/1/2018	6417	91.60	358.80	
3/1/2018	6511	90.50	359.00	
3/1/2018	6603	90.30	359.10	
3/2/2018	6696	90.20	359.90	
3/2/2018	6789	90.80	360.00	
3/2/2018	6883	90.60	0.20	
3/2/2018	6977	91.50	359.80	
3/2/2018	7072	91.40	359.50	
3/2/2018	7165	91.60	359.30	
3/2/2018	7261	91.40	359.40	
3/2/2018	7354	90.70	359.80	
3/3/2018	7446	92.00	1.60	
3/3/2018	7539	91.90	1.30	
3/3/2018	7582	91.90	0.70	