



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

HOBBS OCD

OCT 14 2014

RECEIVED

August 25, 2014

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

RE: Barbaro State #2
330' FSL & 2310' FEL
Sec. 17, T18S, R36E
Lea County, New Mexico

Dear Sir,

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

Very truly yours,

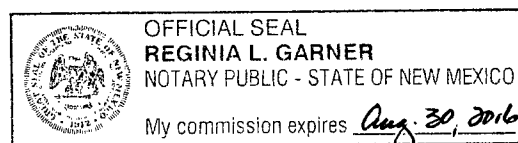
A handwritten signature in cursive script, appearing to read "Chris Graham".

Chris Graham
Drilling Superintendent

State of New Mexico }
County of Eddy }

The foregoing was acknowledged before me this 25th day of August, 2014.

A handwritten signature in cursive script, appearing to read "Regina L. Garner".

Notary Public

OCT 20 2014

Barbaro St #2

Date	Depth	Deviation	Direction
8/7/2014	246	1.50	
8/7/2014	517	0.90	
8/7/2014	824	0.70	
8/8/2014	1083	0.70	
8/8/2014	1395	0.20	
8/8/2014	1544	0.40	
8/8/2014	1682	0.20	
8/10/2014	1884	0.80	72.50
8/10/2014	2134	1.00	46.10
8/10/2014	2384	1.50	41.00
8/10/2014	2634	2.90	53.40
8/11/2014	2884	1.30	
8/11/2014	3154	1.10	
8/11/2014	3384	1.00	60.60
8/11/2014	3634	1.10	64.70
8/11/2014	3885	0.80	46.10
8/11/2014	4136	1.40	89.20
8/11/2014	4386	1.10	92.60
8/12/2014	4635	1.30	101.50
8/12/2014	4885	1.40	118.20
8/12/2014	5135	1.50	126.60
8/12/2014	5385	1.40	121.70
8/12/2014	5635	1.10	102.90
8/12/2014	5885	0.80	96.40
8/13/2014	6135	1.20	88.30
8/13/2014	6384	1.20	62.70
8/13/2014	6634	2.10	40.30
8/13/2014	6884	1.50	73.20
8/13/2014	7135	2.00	30.20
8/14/2014	7385	1.40	52.60
8/14/2014	7635	0.50	181.80
8/15/2014	7885	0.70	86.00
8/15/2014	8135	0.90	72.20
8/16/2014	8385	1.60	35.00
8/17/2014	8636	2.60	18.80
8/17/2014	8886	1.50	339.80
8/18/2014	9136	2.50	345.80
8/19/2014	9385	1.80	77.50
8/20/2014	9635	0.30	6.70
8/20/2014	9837	0.50	242.40