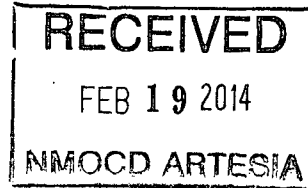


PO Box 1370  
Artesia, NM 88211-1370  
(505) 748-1288



December 17, 2013

Linn Operating, Inc.  
600 Travis  
Suite 5100  
Houston, TX 77002

30-015-41715

RE: State A #612  
2198' FNL & 836' FWL  
Sec. 16, T17S, R31E  
Eddy County, New Mexico

Dear Sir,

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

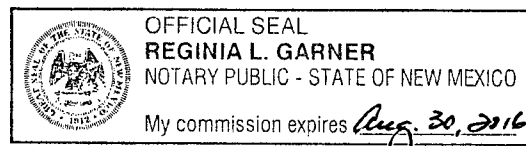
Very truly yours,

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 17<sup>th</sup> day of December, 2013.

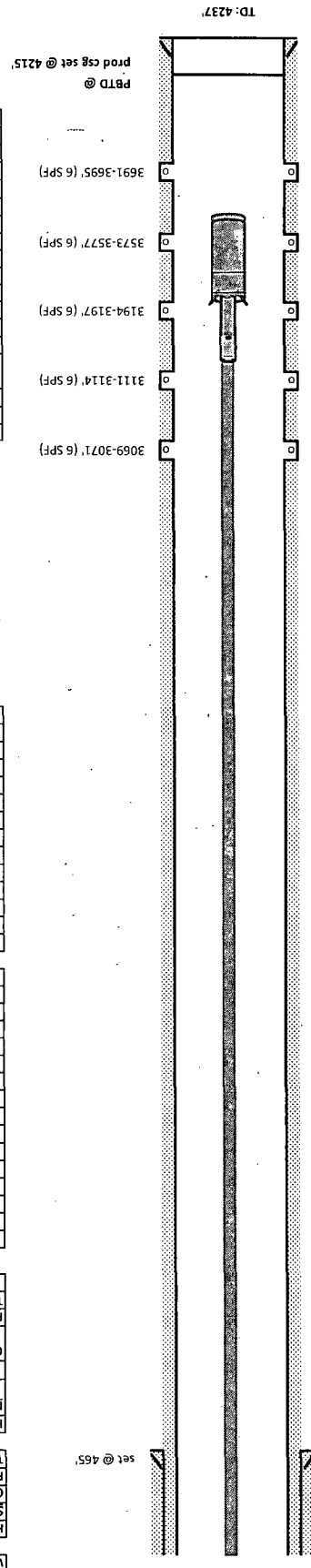
A handwritten signature in cursive script, appearing to read "Regina L. Garner".  
Notary Public

STATE A # 612

Date	Depth	Deviation
12/11/2013	217	0.3
12/11/2014	425	0.8
12/13/2013	551	2.2
12/13/2013	740	0.8
12/13/2013	993	0.4
12/13/2013	1278	2.4
12/13/2013	1468	2.1
12/13/2013	1626	1.6
12/13/2013	1880	1.1
12/14/2013	2134	0.5
12/14/2013	2388	0.6
12/14/2013	2642	0.7
12/14/2013	2895	1.7
12/14/2013	3043	1.1
12/14/2013	3302	0.2
12/15/2014	3551	0.5
12/15/2014	3834	1.3
12/15/2014	4050	1.5
12/15/2014	4215	0.6

# EOF

Hole Size:	7-7/8"
Prod CSG:	5-1/2" 15.5# J-55 8R-LTRC
Capacity (bbl/ft):	
Cement Blend:	
Returns:	Full returns while cementing
TOC:	Crc 50bbs/148 sx cmt to surf
Depth:	4237'
Capacity (bbl/ft):	
Preflush:	
Lead Cement Blend:	Lead 550 sx/185 bbs. Class C 35/65 Poz. @ 12.9# w/ 1.89 yield and 10.058 water.
Tail Cement Blend:	Tail 250 sx/61.5 bbs Class C @ 14.8# w/ 1.33 yield and 6.32 water.



Rods	Description	Footage	Depth at top
1	1-1/4" Spray Metal Polish Rod	26	-13
x	coupling and pony rods	21	13
109	KD 3/4" space as needed	2750	34
11	1-1/2" K sinker bars	225	2784
1	on/off tool - right hand release coupling	1	3009
1	1-1/2" K sinker bars	25	3010
1	2-1/2" x 1-3/4" x 20 RHBC insert pump	20	3035
1	1-1/4" x 1.6" gas anchor	16	3055
			3071

Joints	Description	Footage	Depth at top
KB	2-7/8" - J55 Tbg (approx 92+ lbs, space as needed)	2970	18
1	2-7/8" - Anchor/catcher	3	2988
2	2-7/8" - 2 fts TK99	64	2991
1	2-7/8" - SN @ ~ 3055	1	3056
1	2-7/8" - Perforated sub	4	3056
1	2-7/8" - Tbg 1 f 155	32	3060
1	2-7/8" - Bull Plug	1	3092
	FOT ~ 3099		3093

Well Name:	State A 612
API No:	30-015-41715
Spud Date:	
WBD Update:	1/9/2014 - B. Williams
Hole Size:	12-1/4"
Surf CSG:	8-5/8" 24# I-55 STRC
Cement Blend:	Tail 275 sx cmt mixed at 14.8 ppg. 1.34 yield Displaced with 26 bbs FW
Returns:	Crc 26 bbs/109 sx to surface
TOC:	
Hole Size:	
Int CSG:	
Cement Blend:	
Returns:	
TOC:	

Footage	Location
2198'	FNL & 836' FWL E-16-175-31E
16	
Section:	
Block:	
Survey:	
County:	Eddy
Lat/Long:	32.8357631610514 -103.880637275881
Field:	Grayburg-Jackson
GL:	3829'
KB:	3847'
KB-GL Calc:	18'
DF:	3846'

Logging Requirements:	
History	
Date	