



30-025-46076

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

August 30, 2011

COG, LLC
Fasken Center, Tower II
550 West Texas Ave, Suite 1300
Midland, TX 79701

HOBBS OCD

NOV 21 2011

RECEIVED

RE: Ranger Lake State Com #1H
2015' FNL & 430' FEL
Sec. 1, T13S, R34E
Lea County, New Mexico

Dear Sir,

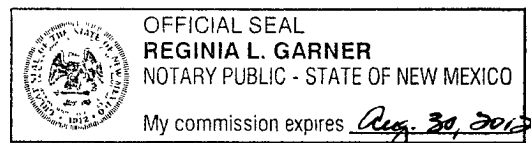
The attached is the Deviation Survey for the above captioned well.

Very truly yours,

Eddie C. LaRue
Operations Manager

State of New Mexico }
County of Eddy }

The foregoing was acknowledged before me this 30th day of August, 2011.

Notary Public

DEC 07 2011

Pason DataHub Deviation Survey

Well Dossier 3191965 - RANGER LAKE 1.ST..COM 1:H

#

# Date	Depth	Deviation	Direction	TVD
7/11/2011	236	0.30	0	0
7/12/2011	552	0.70	0	0
7/13/2011	830	0.40	0	0
7/13/2011	1051	1.50	0	0
7/13/2011	1269	0.25	0	0
7/13/2011	1588	0.70	0	0
7/13/2011	1840	0.90	0	0
7/14/2011	2188	1.00	0	0
7/14/2011	2411	0.70	0	0
7/14/2011	2728	0.40	0	0
7/14/2011	2886	0.40	0	0
7/15/2011	3141	1.10	0	0
7/16/2011	3424	0.40	0	0
7/16/2011	3740	0.20	0	0
7/16/2011	4055	1.10	0	0
7/20/2011	4275	0.10	0	0
7/23/2011	4770	0.90	0	0
7/23/2011	5243	0.70	0	0
7/24/2011	5686	0.60	0	0
7/24/2011	6128	0.10	0	0
7/24/2011	6604	0.60	0	0
7/25/2011	7047	0.10	0	0
7/25/2011	7490	0.10	0	0
7/26/2011	7921	0.80	0	0
7/27/2011	8363	4.20	0	0
7/30/2011	8478	0.00	0	0
7/31/2011	8491	3.60	0	0
8/1/2011	8554	3.80	0	0
8/1/2011	8650	4.80	0	0
8/1/2011	8745	4.30	0	0
8/1/2011	8841	5.90	0	0
8/2/2011	8937	6.00	0	0
8/2/2011	9032	5.30	0	0
8/2/2011	9128	5.70	0	0
8/2/2011	9224	4.60	0	0
8/3/2011	9351	4.70	0	0
8/3/2011	9479	4.70	0	0
8/5/2011	8601	4.60	94.50	8599.00
8/6/2011	8633	4.60	93.60	8630.00
8/6/2011	8664	4.13	101.32	8662.11
8/6/2011	8696	2.90	153.70	8694.00
8/6/2011	8728	4.84	200.11	8725.99
8/6/2011	8760	8.44	219.80	8757.77
8/6/2011	8792	11.52	230.52	8789.29
8/6/2011	8823	14.42	234.91	8819.50
8/7/2011	8885	16.90	233.20	8850.00
8/7/2011	8887	19.40	231.70	8880.00
8/7/2011	8919	21.60	231.60	8909.74
8/7/2011	8950	24.01	233.33	8939.00

#	Date	Depth	Deviation	Direction	TVD
	8/7/2011	8982	26.91	238.78	8968.13
	8/7/2011	9014	30.34	244.20	8996.22
	8/7/2011	9045	33.59	247.92	9022.52
	8/7/2011	9077	36.74	251.61	9048.00
	8/7/2011	9109	39.74	254.95	9073.77
	8/8/2011	9141	42.38	256.53	9097.91
	8/8/2011	9173	46.25	257.76	9120.81
	8/8/2011	9205	50.65	258.12	9142.03
	8/8/2011	9236	54.96	257.24	9160.76
	8/8/2011	9268	59.71	256.71	9178.03
	8/8/2011	9300	63.80	257.60	9193.00
	8/8/2011	9332	67.40	257.60	9206.00
	8/8/2011	9363	70.30	257.59	9217.00
	8/9/2011	9395	73.78	257.94	9227.42
	8/9/2011	9427	26.94	259.17	9235.00
	8/9/2011	9459	80.46	259.47	9241.00
	8/9/2011	9491	82.92	260.75	9246.40
	8/9/2011	9522	84.94	261.98	9249.68
	8/9/2011	9586	90.22	264.27	9252.38
	8/9/2011	9618	90.66	264.62	9252.08
	8/11/2011	9682	90.48	264.97	9251.45
	8/11/2011	9714	90.50	265.70	9251.18
	8/11/2011	9746	90.13	266.20	9251.01
	8/11/2011	9841	90.04	268.31	9250.87
	8/12/2011	9937	90.22	269.72	9250.65
	8/12/2011	10033	89.96	272.18	9250.50
	8/12/2011	10128	89.60	273.94	9250.86
	8/12/2011	10224	89.52	275.69	9251.60
	8/12/2011	10352	91.54	276.92	9250.27
	8/13/2011	10447	89.50	275.30	9249.39
	8/13/2011	10542	89.80	274.30	9249.97
	8/13/2011	10637	90.57	273.23	9249.68
	8/13/2011	10733	90.92	270.77	9248.44
	8/13/2011	10828	90.31	273.76	9247.42
	8/13/2011	10923	90.13	273.17	9247.05
	8/14/2011	11114	90.13	273.76	9246.77
	8/14/2011	11209	88.99	272.88	9247.50
	8/14/2011	11304	87.58	271.30	9250.34
	8/14/2011	11399	88.37	269.72	9251.16
	8/15/2011	11495	90.00	271.10	9255.10
	8/15/2011	11591	89.34	272.18	9255.62
	8/16/2011	11687	90.10	272.00	9256.13
	8/16/2011	11877	91.54	272.88	9251.61
	8/16/2011	12067	91.98	270.42	9246.44
	8/16/2011	12163	91.19	269.37	9243.78
	8/17/2011	12257	91.63	270.80	9241.47
	8/17/2011	12353	92.40	272.40	9238.02
	8/17/2011	12447	92.51	273.06	9243.07
	8/17/2011	12543	91.89	271.83	9230.35
	8/17/2011	12638	90.40	272.25	9228.45
	8/18/2011	12733	89.60	271.83	9228.45
	8/18/2011	12829	90.57	272.88	9228.31
	8/19/2011	12923	90.50	273.40	9227.44

#	Date	Depth	Deviation	Direction	TVD
	8/19/2011	13019	91.01	275.69	9226.60
	8/19/2011	13113	91.71	275.87	9223.97
	8/19/2011	13208	91.54	273.76	9221.27
	8/19/2011	13304	90.84	271.30	9219.08
	8/19/2011	13398	90.57	270.07	9218.12
	8/20/2011	13562	91.54	272.18	9216.37
	8/20/2011	13585	92.20	272.90	0.00
# EOF					