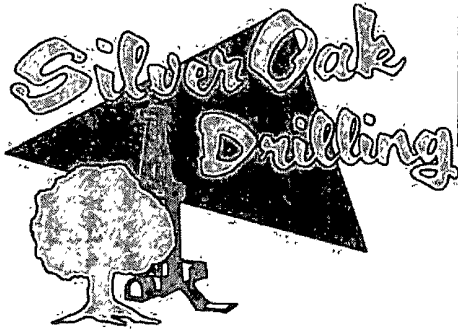




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JUL 25 2012

NMOCD ARTESIA

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

30-015-38444

April 10, 2012

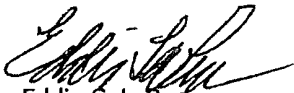
COG, LLC
Fasken Center, Tower II
550 West Texas Ave, Suite 1300
Midland, TX 79701

RE: Skelly Unit #799
1398' FSL & 415' FEL
Sec. 23, T17S, R31E
Eddy County, New Mexico

Dear Sir,

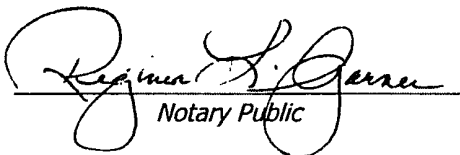
The attached is the Deviation Survey for the above captioned well.

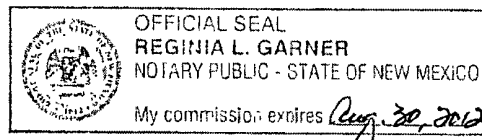
Very truly yours,


Eddie C. LaRue
Operations Manager

State of New Mexico }
County of Eddy }

The foregoing was acknowledged before me this 10th day of April, 2012.


Notary Public



Pason DataHub Deviation Survey
Well Dossier 1333053286 - Skelly Unit #799
#

#	Date	Depth	Deviation	Direction
	3/29/2012	209	0.2	0
	3/30/2012	289	0.3	0
	3/30/2012	378	0.4	0
	3/30/2012	463	0.4	0
	3/30/2012	550	0.7	0
	3/30/2012	657	0.3	0
	3/31/2012	906	0.7	0
	4/1/2012	1377	0.6	0
	4/1/2012	1811	1.4	0
	4/2/2012	1913	1.4	61.5
	4/2/2012	2007	2.1	35.7
	4/2/2012	2102	2.9	32.2
	4/2/2012	2195	3.6	21.3
	4/3/2012	2289	4.8	13.5
	4/3/2012	2382	6.2	9.8
	4/3/2012	2476	5.9	6.6
	4/3/2012	2570	5.3	3.7
	4/3/2012	2664	5.7	2.0
	4/3/2012	2758	5	1.3
	4/3/2012	2852	4.4	356.9
	4/3/2012	2945	4	354.8
	4/3/2012	3039	4.7	355.5
	4/3/2012	3133	4.7	352.5
	4/3/2012	3228	5.1	351.4
	4/3/2012	3322	5.8	352.9
	4/4/2012	3415	6.2	352.9
	4/4/2012	3517	6.5	354.5
	4/4/2012	3611	6.2	352.9
	4/4/2012	3605	6.6	354.5
	4/4/2012	3799	6.5	0.3
	4/5/2012	3893	6.9	7.0
	4/5/2012	3987	6.9	346.2
	4/5/2012	4080	6.9	5.4
	4/5/2012	4269	6.9	9.1
	4/5/2012	4364	6.9	7.5
	4/5/2012	4458	6.3	7.0
	4/5/2012	4552	5.4	9.7
	4/6/2012	4645	4.6	6.9
	4/6/2012	4739	3.6	8.8
	4/6/2012	4834	2.7	6.2
	4/6/2012	4928	1.8	350.2

#	Date	Depth	Deviation	Direction
	4/6/2012	5022	1.0	332.6
	4/6/2012	5115	1.0	341.4
	4/6/2012	5210	0.3	46.0
	4/6/2012	5304	0.4	44.6
	4/6/2012	5398	0.4	52.4
	4/7/2012	5811	0.7	0
	4/7/2012	6281	1.8	0
	4/8/2012	6684	2.2	0

EOF



Job Number: CD019
Company: Concho
Lease/Well: Skelly Unit #799
Location: Eddy County
Rig Name: Silver Oak #1
State/Country: New Mexico/ Eddy
Country: USA
API Number: 30-015-38444

Elevation (To MSL): 3877.10 ft
RKB: 12.00 ft
Projection System: US State Plane 1927 (Exact solution)
Projection Group: New Mexico East 3001
Projection Datum: CLARKE 1866
Magnetic Declination: 7.66
Grid Convergence: 0.27141 E
Date: Tuesday, April 10, 2012

Calculated by HawkEye Software
Minimum Curvature Method
Vertical Section Plane 7.34°

Northing: 661159.10 Easting: 653854.60
Latitude: 32°48'59.8049" N Longitude: -103°49'57.1193" W
Well Location: 1398 FSL, 415 FEL, Section 23, T17S, R31E, Meridian 23, Eddy County, NM
Direction Reference: Grid North

Measured Depth (Ft)	INC Deg	AZM Deg	TVD (Ft)	EW (Ft)	NS (Ft)	VS (Ft)	DLS °/100Ft	Easting (Ft)	Northing (Ft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	653854.60	661159.10
100.00	0.19	168.15	100.00	0.03	-0.16	-0.16	0.19	653854.63	661158.94
200.00	0.29	126.16	200.00	0.27	-0.47	-0.44	0.20	653854.87	661158.63
300.00	0.24	108.86	300.00	0.67	-0.69	-0.60	0.09	653855.27	661158.41
400.00	0.26	93.54	400.00	1.10	-0.77	-0.63	0.07	653855.70	661158.33
500.00	0.36	84.90	500.00	1.64	-0.76	-0.54	0.11	653856.24	661158.34
600.00	0.32	73.61	599.99	2.22	-0.65	-0.36	0.08	653856.82	661158.45
700.00	0.41	50.50	699.99	2.76	-0.35	0.01	0.17	653857.36	661158.75
800.00	0.52	35.52	799.99	3.30	0.25	0.67	0.16	653857.90	661159.35
900.00	0.39	28.16	899.99	3.73	0.92	1.39	0.14	653858.33	661160.02
1000.00	0.35	20.50	999.98	4.00	1.51	2.00	0.06	653858.60	661160.61
1100.00	0.45	10.37	1099.98	4.17	2.18	2.69	0.12	653858.77	661161.28
1200.00	0.30	9.04	1199.98	4.28	2.82	3.35	0.15	653858.88	661161.92
1300.00	0.31	1.31	1299.98	4.33	3.35	3.88	0.04	653858.93	661162.45
1400.00	0.31	11.02	1399.98	4.39	3.89	4.42	0.05	653858.99	661162.99
1500.00	0.54	29.75	1499.97	4.68	4.56	5.12	0.27	653859.28	661163.66
1600.00	1.10	58.04	1599.96	5.72	5.48	6.17	0.67	653860.32	661164.58
1700.00	1.67	73.43	1699.93	7.93	6.40	7.37	0.68	653862.53	661165.50
1790.00	1.90	78.92	1789.89	10.66	7.07	8.37	0.32	653865.26	661166.17
1913.00	1.40	61.50	1912.84	13.98	8.17	9.89	0.57	653868.58	661167.27
2008.00	2.10	35.70	2007.80	16.01	10.14	12.10	1.09	653870.61	661169.24
2102.00	2.90	32.20	2101.71	18.29	13.55	15.78	0.87	653872.89	661172.65
2196.00	3.60	21.30	2195.55	20.62	18.31	20.80	0.99	653875.22	661177.41
2289.00	4.80	13.50	2288.30	22.59	24.82	27.50	1.43	653877.19	661183.92
2383.00	6.20	9.80	2381.87	24.38	33.64	36.48	1.54	653878.98	661192.74
2477.00	5.90	6.60	2475.35	25.79	43.45	46.38	0.48	653880.39	661202.55
2571.00	5.30	3.70	2568.90	26.63	52.58	55.55	0.71	653881.23	661211.68
2665.00	5.70	2.00	2662.46	27.07	61.58	64.53	0.46	653881.67	661220.68
2758.00	5.00	1.30	2755.06	27.33	70.24	73.16	0.76	653881.93	661229.34
2852.00	4.40	356.90	2848.74	27.22	77.94	80.78	0.74	653881.82	661237.04
2946.00	4.00	354.80	2942.49	26.73	84.80	87.52	0.46	653881.33	661243.90
3040.00	4.70	355.30	3036.22	26.12	91.91	94.49	0.75	653880.72	661251.01
3133.00	4.70	352.50	3128.91	25.31	99.48	101.90	0.25	653879.91	661258.58
3228.00	5.10	351.40	3223.56	24.17	107.52	109.72	0.43	653878.77	661266.62
3322.00	5.80	352.90	3317.13	22.96	116.36	118.34	0.76	653877.56	661275.46
3416.00	6.20	352.90	3410.62	21.74	126.11	127.86	0.43	653876.34	661285.21
3517.00	6.50	354.50	3511.00	20.52	137.21	138.71	0.34	653875.12	661296.31
3611.00	6.20	352.90	3604.42	19.39	147.55	148.81	0.37	653873.99	661306.65
3705.00	6.60	354.50	3697.84	18.24	157.96	159.00	0.47	653872.84	661317.06
3799.00	6.50	0.30	3791.22	17.75	168.66	169.54	0.71	653872.35	661327.76
3893.00	6.90	7.00	3884.58	18.47	179.58	180.47	0.93	653873.07	661338.68
3987.00	6.90	6.90	3977.90	19.83	190.79	191.76	0.01	653874.43	661349.89

Measured Depth (Ft)	INC Deg	AZM Deg	TVD (Ft)	EW (Ft)	NS (Ft)	VS (Ft)	DLS "/100Ft	Easting (Ft)	Northing (Ft)
4080.00	6.90	5.40	4070.23	21.03	201.90	202.93	0.19	653875.63	661361.00
4174.00	7.10	9.80	4163.53	22.55	213.25	214.38	0.61	653877.15	661372.35
4269.00	6.90	9.10	4257.82	24.45	224.67	225.95	0.23	653879.05	661383.77
4364.00	6.90	7.50	4352.13	26.10	235.96	237.36	0.20	653880.70	661395.06
4458.00	6.30	6.90	4445.51	27.46	246.68	248.16	0.64	653882.06	661405.78
4552.00	5.40	9.70	4539.02	28.82	256.16	257.74	1.00	653883.42	661415.26
4645.00	4.60	6.90	4631.66	30.01	264.17	265.84	0.90	653884.61	661423.27
4739.00	3.60	8.80	4725.42	30.91	270.83	272.56	1.07	653885.51	661429.93
4834.00	2.70	6.20	4820.28	31.61	276.00	277.78	0.96	653886.21	661435.10
4928.00	1.80	350.20	4914.20	31.60	279.66	281.41	1.16	653886.20	661438.76
5022.00	1.00	332.60	5008.18	30.97	281.84	283.49	0.96	653885.57	661440.94
5115.00	1.00	341.40	5101.16	30.33	283.33	284.89	0.16	653884.93	661442.43
5210.00	0.30	46.00	5196.16	30.25	284.29	285.83	0.96	653884.85	661443.39
5304.00	0.40	44.60	5290.15	30.66	284.70	286.28	0.11	653885.26	661443.80
5398.00	0.40	52.40	5384.15	31.15	285.13	286.77	0.06	653885.75	661444.23
5485.00	0.50	56.30	5471.15	31.70	285.53	287.24	0.12	653886.30	661444.63
5540.00	0.50	56.30	5526.15	32.10	285.79	287.55	0.00	653886.70	661444.89