



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

August 2, 2011

30-015-38363

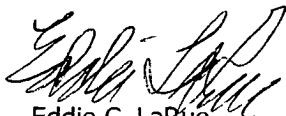
COG, LLC
Fasken Center, Tower II
550 West Texas Ave, Suite 1300
Midland, TX 79701

RE: Skelly Unit #757
1820' FSL & 1810' FWL
Sec. 22, T17S, R31E
Eddy County, New Mexico

Dear Sir,

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

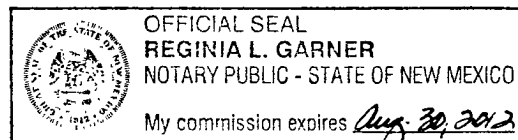
Very truly yours,


Eddie C. LaRue
Operations Manager

State of New Mexico }
County of Eddy }

The foregoing was acknowledged before me this 2nd day of August, 2011.


Regina L. Garner
Notary Public



Pason DataHub Deviation Survey
Well Dossier 1311285213 - SKELLY 757

# Date	Depth	Deviation	Direction
7/24/2011	653	0.60	0.00
7/24/2011	806	0.10	0.00
7/24/2011	1274	0.40	0.00
7/24/2011	1712	2.20	0.00
7/25/2011	1794	2.20	49.20
7/26/2011	1888	2.50	76.40
7/26/2011	1982	2.80	103.40
7/26/2011	2076	3.70	106.60
7/26/2011	2170	5.10	112.60
7/26/2011	2264	6.10	112.30
7/26/2011	2358	6.50	110.30
7/26/2011	2451	6.00	109.00
7/26/2011	2545	5.90	106.90
7/26/2011	2639	6.20	108.70
7/26/2011	2773	6.10	111.20
7/26/2011	2827	5.60	108.50
7/26/2011	2921	6.30	112.20
7/26/2011	3015	6.30	113.60
7/27/2011	3109	6.10	114.10
7/27/2011	3202	6.10	114.10
7/27/2011	3297	6.50	116.50
7/27/2011	3484	6.50	113.00
7/27/2011	3578	6.50	113.00
7/27/2011	3673	6.10	108.70
7/27/2011	3766	5.90	108.70
7/27/2011	3953	6.00	112.60
7/27/2011	3960	6.00	106.60
7/27/2011	4048	6.00	115.60
7/27/2011	4142	6.30	111.30
7/28/2011	4235	6.30	113.70
7/28/2011	4329	6.20	110.10
7/28/2011	4423	6.20	110.90
7/28/2011	4611	6.30	109.40
7/28/2011	4705	6.40	111.60
7/28/2011	4799	6.10	110.20
7/29/2011	4893	6.20	110.60
7/29/2011	4987	6.20	109.70
7/29/2011	5080	6.30	109.50
7/29/2011	5269	5.90	111.60
7/29/2011	5363	5.80	113.20
7/29/2011	5458	5.80	109.20
7/29/2011	5552	5.80	110.90
7/29/2011	5647	0.00	111.60
7/29/2011	5740	6.20	106.20
7/29/2011	5836	6.30	104.70
7/30/2011	5931	6.00	104.60
7/30/2011	6024	5.80	106.40
7/30/2011	6118	6.20	111.80
7/30/2011	6212	5.60	108.60
7/31/2011	6306	6.00	107.30
7/31/2011	6402	5.80	103.90
7/31/2011	6495	538.00	112.20
7/31/2011	6587	5.50	110.30
7/31/2011	6681	6.20	110.90

EOF



Survey Report

MIN. CURVATURE CALCULATIONS (SPE-3362)

OPERATOR: COG Operating
WELL: Skelly Unit # 757
LOCATION: Sweet Gum Rd

START: 7/25/2011
FINISH:
JOB #: 2011059

PROPOSED DIRECTION: 108.08
MAGNETIC TO TRUE: 7.76

STATION NUMBER	SURVEY DEPTH	INC	AZMTH	TVD	N-S	E-W	VERT. SECTION	DLS/ 100
Tie-In	1693.00	1.45	47.63	1692.79	13.00	13.80		
1	1794.00	2.20	49.20	1793.74	15.13	16.21	10.72	0.74
2	1888.00	2.50	76.40	1887.66	16.79	19.57	13.39	1.22
3	1982.00	2.80	103.40	1981.56	16.74	23.80	17.43	1.35
4	2076.00	3.70	106.60	2075.41	15.34	28.94	22.75	0.98
5	2170.00	5.10	112.60	2169.13	12.87	35.70	29.94	1.57
6	2264.00	6.10	112.30	2262.68	9.37	44.18	39.09	1.06
7	2358.00	6.40	110.30	2356.13	5.65	53.71	49.31	0.39
8	2451.00	6.00	109.00	2448.58	2.27	63.17	59.35	0.46
9	2545.00	5.90	106.90	2542.07	-0.73	72.44	69.09	0.25
10	2639.00	6.20	108.70	2635.55	-3.76	81.87	78.99	0.38
11	2733.00	6.10	111.20	2729.01	-7.20	91.33	89.06	0.30
12	2827.00	5.60	108.50	2822.52	-10.46	100.34	98.63	0.61
13	2921.00	6.30	112.20	2916.01	-13.86	109.46	108.36	0.85
14	3014.00	6.30	113.60	3008.45	-17.83	118.86	118.53	0.17
15	3109.00	6.10	114.10	3102.90	-21.98	128.25	128.74	0.22
16	3202.00	6.40	114.10	3195.34	-26.11	137.49	138.81	0.32
17	3296.00	6.50	116.50	3288.75	-30.63	147.03	149.28	0.31
18	3390.00	6.50	117.40	3382.15	-35.45	156.52	159.79	0.11
19	3484.00	6.50	113.00	3475.54	-39.98	166.14	170.34	0.53
20	3578.00	6.50	113.40	3568.94	-44.17	175.92	180.94	0.05
21	3672.00	6.10	108.70	3662.37	-47.88	185.54	191.23	0.69
22	3766.00	5.90	108.70	3755.85	-51.03	194.84	201.06	0.21
23	3860.00	6.00	106.60	3849.35	-53.99	204.13	210.80	0.25
24	3954.00	6.00	112.60	3942.83	-57.28	213.37	220.61	0.67
25	4048.00	6.00	115.60	4036.32	-61.29	222.34	230.38	0.33
26	4142.00	6.30	111.30	4129.78	-65.28	231.57	240.40	0.58
27	4235.00	6.30	113.70	4222.22	-69.19	241.00	250.57	0.28
28	4329.00	6.20	110.10	4315.66	-73.01	250.49	260.78	0.43
29	4423.00	6.20	110.90	4409.11	-76.56	260.00	270.92	0.09
30	4517.00	6.10	112.60	4502.57	-80.29	269.35	280.97	0.22
31	4611.00	6.30	109.40	4596.02	-83.92	278.83	291.10	0.42
32	4705.00	6.40	111.60	4689.44	-87.57	288.56	301.49	0.28
33	4799.00	6.10	110.20	4782.88	-91.22	298.12	311.71	0.36
34	4893.00	6.20	110.60	4876.34	-94.73	307.56	321.77	0.12
35	4987.00	6.20	109.70	4969.79	-98.23	317.09	331.92	0.10
36	5080.00	6.30	109.50	5062.24	-101.62	326.63	342.04	0.11
37	5174.00	6.40	110.50	5155.66	-105.18	336.40	352.43	0.16
38	5269.00	5.90	111.60	5250.12	-108.83	345.90	362.59	0.54
39	5363.00	5.80	113.20	5343.63	-112.48	354.75	372.14	0.20



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STATION NUMBER	SURVEY DEPTH	INC	AZMTH	TVD	N-S	E-W	VERT. SECTION	DLS/ 100
40	5458.00	5.80	109.20	5438.14	-115.95	363.70	381.72	0.43
41	5552.00	5.80	110.90	5531.66	-119.21	372.62	391.22	0.18
42	5647.00	5.90	111.60	5626.17	-122.72	381.64	400.88	0.13
43	5740.00	6.20	106.20	5718.65	-125.88	390.91	410.68	0.69
44	5836.00	6.30	104.70	5814.08	-128.66	400.98	421.11	0.20
45	5930.00	6.00	104.60	5907.54	-131.21	410.73	431.17	0.32
46	6024.00	5.80	106.40	6001.04	-133.79	420.04	440.82	0.29
47	6118.00	6.20	111.80	6094.52	-137.01	429.31	450.63	0.74
48	6212.00	5.60	108.60	6188.03	-140.36	438.37	460.28	0.73
49	6306.00	6.00	107.30	6281.54	-143.28	447.40	469.78	0.45
50	6400.00	5.80	103.90	6375.05	-145.89	456.71	479.43	0.43
51	6493.00	5.80	112.20	6467.57	-148.79	465.62	488.80	0.90
52	6587.00	5.50	110.30	6561.12	-152.15	474.24	498.04	0.38
53	6681.00	6.20	110.90	6654.63	-155.52	483.21	507.61	0.75
PBHL	6756.00	6.20	110.90	6729.19	-158.41	490.77	515.70	0.00
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