

**McVAY DRILLING COMPANY**

P.O. Box 2450
Hobbs, New Mexico 88241
(575) 397-3311
FAX: 39-DRILL

Well Name and Num: Sirius Fed Com 04H
Location: Sec. 17, T19S, R31E
Operator: Devon
Drilling Contractor: McVay Drilling Company

30-015-38478

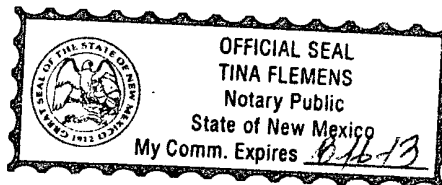
The undersigned certifies that he is an authorized representative of the drilling contractor who drilled the above described well and that he has conducted deviation tests and obtained the following results:

<u>Degrees @</u>	<u>Depth</u>	<u>Degrees @</u>	<u>Depth</u>	<u>Degrees @</u>	<u>Depth</u>
1.46	375	1.80	7609	94.50	11461
1.60	509	0.96	8108	92.30	11681
0.76	764	1.30	8261	92.00	11959
2.42	1260	9.60	8356	87.50	12145
3.30	1775	18.20	8452	90.60	12330
2.73	2030	25.80	8579	88.60	12516
2.01	2351	32.10	8642	908.00	12610
0.56	2795	39.60	8205	90.70	12799
0.65	3363	50.70	8800	90.10	12892
1.27	3801	62.40	8896	89.80	12986
0.38	4213	68.70	8991	91.40	13078
0.18	4710	81.10	9120		
0.36	5209	88.70	9503		
0.52	5704	88.10	9979		
0.70	6180	87.70	10837		
1.27	7131	93.50	11213		

By: Hunter Crum

Subscribed and sworn to before me this 7th day of February, 2012

Tina FLEMENS
Notary Public, Lea County, New Mexico



A Gyrodata Directional Survey

for

DEVON ENERGY

Lease: SIRIUS 17 FED COM Well: 4H, 4 1/2" DRILLPIPE
Location: MCVAY #10, EDDY COUNTY, NEW MEXICO

Job Number: MD0112GDM113

Run Date: 06 Jan 2012

Surveyor: Jason Solomon

Calculation Method: MINIMUM CURVATURE

Azimuth Correction:

Gyro: -0.23000 deg to Grid North

Vertical Section Calculated from Well Head Location

Closure Calculated from Well Head Location

Survey surface coordinates obtained from: Well Plan/Plot Horizontal Coordinates Calculated from Well Head Location

Survey Latitude: 32.654400 deg. N Longitude: 103.898925 deg. W

A Gyrodata Directional Survey

DEVON ENERGY

Lease: SIRIUS 17 FED COM Well: 4H, 4 1/2" DRILLPIPE

Location: MCVAY #10, EDDY COUNTY, NEW MEXICO

Job Number: MD0112GDM113

MEASURED DEPTH feet	INCL deg.	AZIMUTH deg.	DOGLEG SEVERITY deg./ 100 ft.	VERTICAL DEPTH feet	CLOSURE DIST. AZIMUTH feet deg.	HORIZONTAL COORDINATES feet
0.00	0.00	0.00	0.00	0.00	0.0 0.0	0.00 N 0.00 E
0 TO 8100 FT RATE GYROSCOPIC MULTISHOT DROP RUN INSIDE 4 1/2" DRILLPIPE ALL MEASURED DEPTHS AND COORDINATES REFERENCED TO MCVAY #10 RKB 20 FT						
100.00	0.26	258.52	0.26	100.00	0.2 258.5	0.05 S 0.22 W
200.00	0.81	258.93	0.55	199.99	1.2 258.8	0.23 S 1.14 W
300.00	1.01	263.06	0.21	299.98	2.7 260.2	0.47 S 2.71 W
400.00	1.12	263.80	0.11	399.96	4.6 261.5	0.68 S 4.55 W
500.00	0.95	272.11	0.23	499.95	6.4 263.2	0.76 S 6.35 W
600.00	0.93	294.32	0.36	599.94	7.9 267.2	0.39 S 7.92 W
700.00	0.98	306.66	0.21	699.92	9.4 272.8	0.45 N 9.35 W
800.00	1.01	320.08	0.23	799.91	10.7 278.8	1.64 N 10.60 W
900.00	1.31	334.20	0.41	899.89	12.1 286.0	3.35 N 11.66 W
1000.00	1.55	343.12	0.33	999.86	13.8 294.3	5.67 N 12.55 W
1100.00	1.81	351.98	0.37	1099.81	15.7 302.9	8.53 N 13.16 W
1200.00	2.02	319.19	0.43	1199.76	17.8 311.7	11.85 N 13.29 W
1300.00	2.85	28.12	1.33	1299.67	19.9 322.7	15.80 N 12.02 W
1400.00	3.31	37.49	0.68	1399.52	22.2 335.9	20.29 N 9.09 W
1500.00	3.45	43.43	0.38	1499.35	25.3 348.0	24.76 N 5.26 W
1600.00	3.39	47.93	0.27	1599.17	28.9 358.0	28.93 N 1.00 W
1700.00	3.39	52.02	0.24	1699.00	32.9 6.1	32.73 N 3.53 E
1728.90	3.17	53.73	0.83	1727.85	34.1 8.2	33.73 N 4.84 E
1824.00	3.12	57.40	0.22	1822.81	37.8 14.0	36.68 N 9.14 E
1919.10	3.03	59.73	0.16	1917.77	41.6 18.9	39.34 N 13.49 E
2014.20	2.19	73.59	1.10	2012.77	44.7 22.9	41.12 N 17.41 E

A Gyrodata Directional Survey

DEVON ENERGY

Lease SIRIUS 17 FED COM Well: 4H, 4 1/2" DRILLPIPE

Location: MCVAY #10, EDDY COUNTY, NEW MEXICO

Job Number: MD0112GDM113

MEASURED DEPTH feet	INCL deg	AZIMUTH deg	DOGLEG SEVERITY deg/ 100 ft.	VERTICAL DEPTH feet	CLOSURE DIST. AZIMUTH feet deg.	HORIZONTAL COORDINATES feet
2109.30	1.59	95.36	0.97	2107.82	46.3 26.2	41.51 N 20.47 E
2204.40	1.35	112.75	0.53	2202.89	46.9 29.1	40.95 N 22.81 E
2299.50	1.21	120.45	0.23	2297.97	47.0 31.7	40.01 N 24.71 E
2394.60	1.13	125.96	0.15	2393.05	47.0 34.1	38.95 N 26.34 E
2489.70	0.89	126.88	0.25	2488.13	47.0 36.1	37.96 N 27.69 E
2584.80	0.68	122.97	0.23	2583.22	47.0 37.7	37.21 N 28.75 E
2679.90	0.63	117.33	0.09	2678.32	47.2 39.0	36.66 N 29.69 E
2775.00	0.49	114.03	0.15	2773.41	47.4 40.1	36.25 N 30.52 E
2870.10	0.43	98.53	0.14	2868.51	47.7 40.9	36.04 N 31.25 E
2965.20	0.20	78.08	0.27	2963.61	48.0 41.4	36.02 N 31.76 E
3060.30	0.09	127.39	0.17	3058.71	48.2 41.6	36.01 N 31.98 E
3155.40	0.15	293.34	0.25	3153.81	48.1 41.6	36.01 N 31.93 E
3250.50	0.26	306.76	0.13	3248.91	48.1 41.2	36.19 N 31.64 E
3345.60	0.30	311.64	0.05	3344.01	48.1 40.6	36.48 N 31.28 E
3440.70	0.28	286.89	0.13	3439.10	48.0 40.1	36.72 N 30.88 E
3535.80	0.33	247.38	0.22	3534.20	47.6 39.7	36.68 N 30.40 E
3630.90	0.54	233.36	0.25	3629.30	47.0 39.4	36.31 N 29.79 E
3726.00	0.70	213.00	0.28	3724.39	45.9 39.3	35.55 N 29.11 E
3821.10	0.69	226.43	0.17	3819.49	44.8 39.3	34.67 N 28.38 E
3916.20	0.70	226.17	0.01	3914.58	43.7 39.1	33.87 N 27.55 E
4011.30	0.63	227.98	0.08	4009.67	42.6 38.9	33.12 N 26.74 E
4106.40	0.52	239.53	0.17	4104.77	41.6 38.6	32.55 N 25.98 E
4201.50	0.42	240.85	0.11	4199.87	40.9 38.2	32.16 N 25.30 E
4296.60	0.34	261.28	0.16	4294.96	40.4 37.7	31.95 N 24.72 E
4391.70	0.26	270.81	0.10	4390.06	40.1 37.2	31.91 N 24.22 E
4486.80	0.16	271.80	0.11	4485.16	39.9 36.8	31.92 N 23.88 E

A Gyrodata Directional Survey

DEVON ENERGY

Lease: SIRIUS 17 FED COM Well. 4H, 4 1/2" DRILLPIPE

Location: MCVAY #10, EDDY COUNTY, NEW MEXICO

Job Number: MD0112GDM113

MEASURED DEPTH feet	INCL deg.	AZIMUTH deg.	DOGLEG SEVERITY deg./ 100 ft.	VERTICAL DEPTH feet	CLOSURE DIST. AZIMUTH feet deg.	HORIZONTAL COORDINATES feet
4581.90	0.30	215.73	0.26	4580.26	39.5 36.6	31.72 N 23.60 E
4677.00	0.22	224.79	0.09	4675.36	39.1 36.6	31.39 N 23.32 E
4772.10	0.14	262.10	0.14	4770.46	38.8 36.5	31.24 N 23.08 E
4867.20	0.20	261.02	0.06	4865.56	38.6 36.2	31.20 N 22.80 E
4962.30	0.26	295.87	0.16	4960.66	38.5 35.7	31.27 N 22.44 E
5057.40	0.34	309.04	0.11	5055.76	38.5 34.9	31.54 N 22.03 E
5152.50	0.42	310.79	0.08	5150.86	38.5 34.0	31.95 N 21.55 E
5247.60	0.50	1.32	0.42	5245.95	38.9 33.2	32.59 N 21.29 E
5342.70	0.61	15.82	0.19	5341.05	39.8 32.6	33.49 N 21.44 E
5437.80	0.41	352.86	0.30	5436.14	40.5 32.1	34.31 N 21.54 E
5532.90	0.39	320.07	0.24	5531.24	40.9 31.4	34.90 N 21.29 E
5628.00	0.54	297.08	0.25	5626.34	41.0 30.3	35.35 N 20.68 E
5723.10	0.68	287.53	0.18	5721.43	40.8 28.9	35.73 N 19.74 E
5818.20	0.78	286.52	0.11	5816.53	40.6 27.2	36.08 N 18.58 E
5913.30	0.84	290.02	0.08	5911.62	40.4 25.4	36.50 N 17.31 E
6008.40	0.82	303.36	0.20	6006.71	40.5 23.4	37.12 N 16.08 E
6103.50	0.78	294.94	0.13	6101.80	40.6 21.6	37.76 N 14.93 E
6198.60	0.60	301.96	0.21	6196.89	40.8 20.0	38.30 N 13.92 E
6293.70	0.42	271.12	0.34	6291.99	40.7 18.8	38.57 N 13.15 E
6388.80	0.65	281.44	0.26	6387.08	40.6 17.6	38.68 N 12.27 E
6483.90	0.62	282.99	0.04	6482.18	40.5 16.1	38.91 N 11.24 E
6579.00	0.34	334.55	0.51	6577.27	40.7 15.1	39.28 N 10.62 E
6674.10	0.44	331.69	0.11	6672.37	41.2 14.5	39.85 N 10.32 E
6769.20	0.40	304.31	0.21	6767.47	41.6 13.7	40.36 N 9.88 E
6864.30	0.73	252.33	0.61	6862.57	41.4 12.6	40.37 N 9.02 E
6959.40	0.78	235.10	0.24	6957.66	40.6 11.2	39.81 N 7.92 E

A Gyrodata Directional Survey

DEVON ENERGY

Lease: SIRIUS 17 FED COM Well. 4H, 4 1/2" DRILLPIPE

Location: MCVAY #10, EDDY COUNTY, NEW MEXICO

Job Number MD0112GDM113

MEASURED DEPTH feet	INCL deg.	AZIMUTH deg.	DOGLEG SEVERITY deg./ 100 ft.	VERTICAL DEPTH feet	CLOSURE DIST. AZIMUTH feet deg.	HORIZONTAL COORDINATES feet
7054.50	0.91	216.15	0.32	7052.75	39.4 10.1	38.83 N 6.94 E
7149.60	1.17	219.28	0.28	7147.83	37.9 8.9	37.47 N 5.88 E
7244.70	1.57	200.17	0.63	7242.90	35.8 7.7	35.49 N 4.82 E
7339.80	1.99	190.94	0.53	7337.96	32.9 7.1	32.65 N 4.05 E
7434.90	1.98	189.78	0.04	7433.00	29.6 6.7	29.41 N 3.46 E
7530.00	1.79	195.01	0.27	7528.05	26.5 6.1	26.36 N 2.80 E
7625.10	1.79	195.21	0.01	7623.10	23.6 4.9	23.49 N 2.02 E
7720.20	2.13	186.93	0.46	7718.15	20.4 4.0	20.30 N 1.42 E
7815.30	2.41	182.60	0.35	7813.17	16.6 3.9	16.55 N 1.12 E
7910.40	2.14	185.47	0.31	7908.20	12.8 3.8	12.78 N 0.86 E
8005.50	1.91	190.86	0.31	8003.24	9.5 2.4	9.46 N 0.39 E
8100.60	1.91	196.09	0.18	8098.29	6.4 356.9	6.38 N 0.35 W

Final Station Closure: Distance: 6.39 ft Az: 356.87 deg.

DEVON ENERGY

WELL NUMBER : SIRIUS 17 FED COM 4H

4 1/2" DRILLPIPE SURVEY

DATE RUN : 060112

JOB NUMBER : MD0112GDM113

MD	INC	AZ	TVD	LOCAL N	LOCAL E	V/S	DOG/ 100FT
100	0.26	258.52	100	-0.05	-0.22	0	0.26
200	0.81	258.93	199.99	-0.23	-1.14	-0.2	0.55
300	1.01	263.06	299.98	-0.47	-2.71	-0.5	0.21
400	1.12	263.8	399.96	-0.68	-4.55	-0.7	0.11
500	0.95	272.11	499.95	-0.76	-6.35	-0.8	0.23
600	0.93	294.32	599.94	-0.39	-7.92	-0.4	0.36
700	0.98	306.66	699.92	0.45	-9.35	0.5	0.21
800	1.01	320.08	799.91	1.64	-10.6	1.6	0.23
900	1.31	334.2	899.89	3.35	-11.66	3.3	0.41
1000	1.55	343.12	999.86	5.67	-12.55	5.7	0.33
1100	1.81	351.98	1099.81	8.53	-13.16	8.5	0.37
1200	2.02	3.19	1199.76	11.85	-13.29	11.9	0.43
1300	2.85	28.12	1299.67	15.8	-12.02	15.8	1.33
1400	3.31	37.49	1399.52	20.29	-9.09	20.3	0.68
1500	3.45	43.43	1499.35	24.76	-5.26	24.8	0.38
1600	3.39	47.93	1599.17	28.93	-1	28.9	0.27
1700	3.39	52.02	1699	32.73	3.53	32.7	0.24
1728.9	3.17	53.73	1727.85	33.73	4.84	33.7	0.83
1824	3.12	57.4	1822.81	36.68	9.14	36.7	0.22
1919.1	3.03	59.73	1917.77	39.34	13.49	39.3	0.16
2014.2	2.19	73.59	2012.77	41.12	17.41	41.1	1.1
2109.3	1.59	95.36	2107.82	41.51	20.47	41.5	0.97
2204.4	1.35	112.75	2202.89	40.95	22.81	41	0.53
2299.5	1.21	120.45	2297.97	40.01	24.71	40	0.23
2394.6	1.13	125.96	2393.05	38.95	26.34	39	0.15
2489.7	0.89	126.88	2488.13	37.96	27.69	38	0.25
2584.8	0.68	122.97	2583.22	37.21	28.75	37.2	0.23
2679.9	0.63	117.33	2678.32	36.66	29.69	36.7	0.09
2775	0.49	114.03	2773.41	36.25	30.52	36.3	0.15
2870.1	0.43	98.53	2868.51	36.04	31.25	36	0.14
2965.2	0.2	78.08	2963.61	36.02	31.76	36	0.27
3060.3	0.09	127.39	3058.71	36.01	31.98	36	0.17
3155.4	0.15	293.34	3153.81	36.01	31.93	36	0.25
3250.5	0.26	306.76	3248.91	36.19	31.64	36.2	0.13
3345.6	0.3	311.64	3344.01	36.48	31.28	36.5	0.05
3440.7	0.28	286.89	3439.1	36.72	30.88	36.7	0.13
3535.8	0.33	247.38	3534.2	36.68	30.4	36.7	0.22
3630.9	0.54	233.36	3629.3	36.31	29.79	36.3	0.25
3726	0.7	213	3724.39	35.55	29.11	35.6	0.28
3821.1	0.69	226.43	3819.49	34.67	28.38	34.7	0.17

3916.2	0.7	226.17	3914.58	33.87	27.55	33.9	0.01
4011.3	0.63	227.98	4009.67	33.12	26.74	33.1	0.08
4106.4	0.52	239.53	4104.77	32.55	25.98	32.6	0.17
4201.5	0.42	240.85	4199.87	32.16	25.3	32.2	0.11
4296.6	0.34	261.28	4294.96	31.95	24.72	31.9	0.16
4391.7	0.26	270.81	4390.06	31.91	24.22	31.9	0.1
4486.8	0.16	271.8	4485.16	31.92	23.88	31.9	0.11
4581.9	0.3	215.73	4580.26	31.72	23.6	31.7	0.26
4677	0.22	224.79	4675.36	31.39	23.32	31.4	0.09
4772.1	0.14	262.1	4770.46	31.24	23.08	31.2	0.14
4867.2	0.2	261.02	4865.56	31.2	22.8	31.2	0.06
4962.3	0.26	295.87	4960.66	31.27	22.44	31.3	0.16
5057.4	0.34	309.04	5055.76	31.54	22.03	31.5	0.11
5152.5	0.42	310.79	5150.86	31.95	21.55	31.9	0.08
5247.6	0.5	1.32	5245.95	32.59	21.29	32.6	0.42
5342.7	0.61	15.82	5341.05	33.49	21.44	33.5	0.19
5437.8	0.41	352.86	5436.14	34.31	21.54	34.3	0.3
5532.9	0.39	320.07	5531.24	34.9	21.29	34.9	0.24
5628	0.54	297.08	5626.34	35.35	20.68	35.4	0.25
5723.1	0.68	287.53	5721.43	35.73	19.74	35.7	0.18
5818.2	0.78	286.52	5816.53	36.08	18.58	36.1	0.11
5913.3	0.84	290.02	5911.62	36.5	17.31	36.5	0.08
6008.4	0.82	303.36	6006.71	37.12	16.08	37.1	0.2
6103.5	0.78	294.94	6101.8	37.76	14.93	37.8	0.13
6198.6	0.6	301.96	6196.89	38.3	13.92	38.3	0.21
6293.7	0.42	271.12	6291.99	38.57	13.15	38.6	0.34
6388.8	0.65	281.44	6387.08	38.68	12.27	38.7	0.26
6483.9	0.62	282.99	6482.18	38.91	11.24	38.9	0.04
6579	0.34	334.55	6577.27	39.28	10.62	39.3	0.51
6674.1	0.44	331.69	6672.37	39.85	10.32	39.9	0.11
6769.2	0.4	304.31	6767.47	40.36	9.88	40.4	0.21
6864.3	0.73	252.33	6862.57	40.37	9.02	40.4	0.61
6959.4	0.78	235.1	6957.66	39.81	7.92	39.8	0.24
7054.5	0.91	216.15	7052.75	38.83	6.94	38.8	0.32
7149.6	1.17	219.28	7147.83	37.47	5.88	37.5	0.28
7244.7	1.57	200.17	7242.9	35.49	4.82	35.5	0.63
7339.8	1.99	190.94	7337.96	32.65	4.05	32.7	0.53
7434.9	1.98	189.78	7433	29.41	3.46	29.4	0.04
7530	1.79	195.01	7528.05	26.36	2.8	26.4	0.27
7625.1	1.79	195.21	7623.1	23.49	2.02	23.5	0.01
7720.2	2.13	186.93	7718.15	20.3	1.42	20.3	0.46
7815.3	2.41	182.6	7813.17	16.55	1.12	16.5	0.35
7910.4	2.14	185.47	7908.2	12.78	0.86	12.8	0.31
8005.5	1.91	190.86	8003.24	9.46	0.39	9.5	0.31
8100.6	1.91	196.09	8098.29	6.38	-0.35	6.4	0.18



CUDD Drilling & Measurement Services
3201 E. Loop 250 N.
Midland, TX 79705
Tel: (432) 689-5700
Fax: (432) 689-5716

SURVEY CERTIFICATION SHEET

STATE OF TEXAS
COUNTY OF MIDLAND

I, Daniel Caruthers, certify that; I am employed by CUDD Drilling and Measurement Services; that I did on the day(s) of 01-05-2012 to 01-17-2012 conduct or supervise the taking of MWD surveys from a depth of 8,134 feet to a depth of 13,151 feet; that the data is true, correct, complete and within the limitations of the tool as set forth by CUDD Drilling and Measurement Services.; that I am authorized and qualified to make this report; that this survey was conducted at the request of Devon Energy Production Co, LP for the Sirius 17 Fed Com 4H well, in Eddy Co, New Mexico; and that I have reviewed this report and find that it conforms to the principles and procedures as set forth by CUDD Drilling and Measurement Services.

A handwritten signature in black ink, appearing to read "Dan Caruthers", written over a horizontal line.

Daniel Caruthers
MWD Engineer



Devon Energy Production Co, LP

Eddy Co., New Mexico (Nad 83)

Sirius 17 Fed Com 4H

Sirius 17 Fed Com 4H

30-015-38478

Lateral #1

Survey: Survey #2

Standard Survey Report

17 January, 2012



CUDD Drilling and Measurement Survey Report

Company:	Devon Energy Production Co., LP	Local Co-ordinate Reference:	Site Sirius 17 Fed Com 4H
Project:	Eddy Co., New Mexico (Nad 83)	TVD Reference:	WELL @ 3439.00ft (Original Well Elev)
Site:	Sirius 17 Fed Com 4H	MD Reference:	WELL @ 3439.00ft (Original Well Elev)
Well:	Sirius 17 Fed Com 4H	North Reference:	Grid
Wellbore:	Lateral #1	Survey Calculation Method:	Minimum Curvature
Design:	Lateral #1	Database:	EDM 5000 1.Single User Db

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
8,324.00	6.80	91.90	8,321.43	-0.28	1.92	1.92	11.84	10.97	-53.55
8,356.00	9.60	85.00	8,353.10	-0.11	6.47	6.47	9.26	8.75	-21.56
8,388.00	12.40	81.30	8,384.51	0.64	12.53	12.53	9.02	8.75	-11.56
8,420.00	15.30	81.90	8,415.58	1.76	20.11	20.12	9.07	9.06	1.88
8,452.00	18.20	84.10	8,446.22	2.87	29.26	29.27	9.28	9.06	6.88
8,483.00	20.20	84.90	8,475.49	3.84	39.41	39.43	6.51	6.45	2.58
8,515.00	21.80	86.30	8,505.36	4.72	50.84	50.87	5.24	5.00	4.38
8,547.00	23.50	87.30	8,534.89	5.40	63.14	63.17	5.45	5.31	3.13
8,579.00	25.80	90.00	8,563.98	5.70	76.48	76.51	8.00	7.19	8.44
8,610.00	28.80	90.40	8,591.52	5.65	90.70	90.73	9.70	9.68	1.29
8,642.00	32.10	89.70	8,619.10	5.64	106.91	106.94	10.37	10.31	-2.19
8,673.00	35.80	89.50	8,644.81	5.76	124.22	124.25	11.94	11.94	-0.65
8,705.00	39.20	90.20	8,670.20	5.81	143.70	143.73	10.71	10.63	2.19
8,737.00	42.90	89.90	8,694.33	5.79	164.71	164.74	11.58	11.56	-0.94
8,768.00	46.70	89.40	8,716.32	5.93	186.55	186.58	12.31	12.26	-1.61
8,800.00	50.70	89.40	8,737.43	6.18	210.58	210.61	12.50	12.50	0.00
8,832.00	54.70	88.30	8,756.82	6.70	236.03	236.06	12.80	12.50	-3.44
8,864.00	59.00	87.80	8,774.32	7.61	262.80	262.84	13.50	13.44	-1.56
8,896.00	62.40	88.90	8,789.98	8.41	290.69	290.73	11.04	10.63	3.44
8,928.00	65.80	90.10	8,803.95	8.66	319.47	319.51	11.15	10.63	3.75
8,959.00	68.20	91.00	8,816.06	8.38	348.00	348.04	8.19	7.74	2.90
8,991.00	68.70	91.40	8,827.82	7.76	377.76	377.79	1.95	1.56	1.25
9,025.00	69.90	91.70	8,839.84	6.90	409.55	409.58	3.62	3.53	0.88
9,057.00	72.40	91.00	8,850.17	6.19	439.82	439.85	8.08	7.81	-2.19
9,089.00	76.50	89.80	8,858.75	5.97	470.64	470.67	13.31	12.81	-3.75
9,120.00	81.10	88.90	8,864.77	6.32	501.04	501.07	15.11	14.84	-2.90
9,122.00	81.50	88.00	8,865.07	6.37	503.02	503.05	48.77	20.00	-45.00
9,217.00	88.10	87.00	8,873.68	10.50	597.48	597.53	7.03	6.95	-1.05
9,312.00	87.70	88.60	8,877.16	14.15	692.35	692.41	1.73	-0.42	1.68
9,408.00	88.30	88.20	8,880.51	16.83	788.25	788.33	0.75	0.63	-0.42
9,503.00	88.70	88.40	8,883.00	19.64	883.17	883.27	0.47	0.42	0.21
9,593.00	89.20	89.10	8,884.65	21.61	973.14	973.24	0.96	0.56	0.78
9,693.00	88.70	90.10	8,886.48	22.30	1,073.12	1,073.22	1.12	-0.50	1.00
9,789.00	88.80	89.50	8,888.57	22.64	1,169.09	1,169.20	0.63	0.10	-0.63
9,884.00	88.20	89.70	8,891.06	23.30	1,264.06	1,264.17	0.67	-0.63	0.21
9,979.00	88.10	90.20	8,894.13	23.39	1,359.01	1,359.12	0.54	-0.11	0.53
10,075.00	86.50	90.20	8,898.65	23.05	1,454.90	1,455.00	1.67	-1.67	0.00
10,170.00	87.30	89.70	8,903.79	23.13	1,549.76	1,549.86	0.99	0.84	-0.53
10,265.00	88.70	89.50	8,907.10	23.80	1,644.69	1,644.80	1.49	1.47	-0.21
10,360.00	87.90	89.30	8,909.92	24.79	1,739.65	1,739.76	0.87	-0.84	-0.21
10,456.00	86.10	88.70	8,914.94	26.46	1,835.50	1,835.61	1.98	-1.88	-0.63
10,551.00	85.80	89.00	8,921.65	28.37	1,930.24	1,930.37	0.45	-0.32	0.32
10,646.00	85.70	90.70	8,928.69	28.61	2,024.97	2,025.10	1.79	-0.11	1.79



CUDD Drilling and Measurement Survey Report

Company:	Devon Energy Production Co., LP	Local Co-ordinate Reference:	Site Sirius 17 Fed Com 4H
Project:	Eddy Co., New Mexico (Nad 83)	TVD Reference:	WELL @ 3439 00ft (Original Well Elev)
Site:	Sirius 17 Fed Com 4H	MD Reference:	WELL @ 3439 00ft (Original Well Elev)
Well:	Sirius 17 Fed Com 4H	North Reference:	Grid
Wellbore:	Lateral #1	Survey Calculation Method:	Minimum Curvature
Design:	Lateral #1	Database:	EDM 5000 1 Single User Db

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
10,742.00	86.20	90.40	8,935.48	27.69	2,120.73	2,120.85	0.61	0.52	-0.31
10,837.00	87.70	90.30	8,940.53	27.11	2,215.59	2,215.71	1.58	1.58	-0.11
10,931.00	88.50	91.20	8,943.65	25.89	2,309.53	2,309.64	1.28	0.85	0.96
11,024.00	89.70	91.60	8,945.11	23.61	2,402.49	2,402.58	1.36	1.29	0.43
11,118.00	91.60	91.60	8,944.04	20.99	2,496.44	2,496.52	2.02	2.02	0.00
11,213.00	93.50	91.60	8,939.81	18.34	2,591.31	2,591.37	2.00	2.00	0.00
11,307.00	94.60	91.40	8,933.18	15.88	2,685.04	2,685.08	1.19	1.17	-0.21
11,401.00	94.50	89.30	8,925.72	15.31	2,778.73	2,778.78	2.23	-0.11	-2.23
11,495.00	94.00	90.50	8,918.75	15.48	2,872.47	2,872.51	1.38	-0.53	1.28
11,589.00	92.40	89.50	8,913.50	15.48	2,966.32	2,966.36	2.01	-1.70	-1.06
11,681.00	92.30	88.90	8,909.73	16.76	3,058.24	3,058.28	0.66	-0.11	-0.65
11,774.00	93.60	88.50	8,904.95	18.87	3,151.09	3,151.14	1.46	1.40	-0.43
11,866.00	94.00	87.80	8,898.85	21.83	3,242.84	3,242.91	0.87	0.43	-0.76
11,959.00	92.00	88.20	8,893.98	25.07	3,335.65	3,335.73	2.19	-2.15	0.43
12,052.00	91.60	87.50	8,891.06	28.56	3,428.53	3,428.64	0.87	-0.43	-0.75
12,145.00	91.50	87.50	8,888.54	32.61	3,521.41	3,521.54	0.11	-0.11	0.00
12,237.00	90.90	88.70	8,886.62	35.66	3,613.34	3,613.48	1.46	-0.65	1.30
12,330.00	90.60	88.90	8,885.40	37.61	3,706.31	3,706.46	0.39	-0.32	0.22
12,424.00	91.90	88.40	8,883.35	39.82	3,800.26	3,800.42	1.48	1.38	-0.53
12,516.00	92.10	88.60	8,880.14	42.23	3,892.17	3,892.35	0.31	0.22	0.22
12,610.00	90.80	89.30	8,877.76	43.95	3,986.12	3,986.31	1.57	-1.38	0.74
12,705.00	90.90	89.10	8,876.35	45.28	4,081.10	4,081.29	0.24	0.11	-0.21
12,799.00	90.70	88.80	8,875.04	47.00	4,175.08	4,175.28	0.38	-0.21	-0.32
12,892.00	90.70	88.90	8,873.90	48.87	4,268.05	4,268.26	0.11	0.00	0.11
12,986.00	90.80	89.80	8,872.67	49.93	4,362.04	4,362.25	0.96	0.11	0.96
13,078.00	91.40	89.80	8,870.91	50.25	4,454.02	4,454.23	0.65	0.65	0.00
13,151.00	91.40	89.80	8,869.12	50.51	4,527.00	4,527.21	0.00	0.00	0.00
Last CUDD survey									
13,215.00	91.70	89.60	8,867.39	50.84	4,590.97	4,591.19	0.56	0.47	-0.31
Projection to Bit									

Survey Annotations				
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
8,100.60	8,098.29	6.38	-0.35	Tie-in to Gyro
8,134.00	8,131.67	5.33	-0.61	First CUDD survey
13,151.00	8,869.12	50.51	4,527.00	Last CUDD survey
13,215.00	8,867.39	50.84	4,590.97	Projection to Bit

Checked By: _____ Approved By: _____ Date: _____