

**McVAY DRILLING COMPANY**

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

30-015-38481

Well Name and Num: Sirius 17 Fed. Com. 3H
Location: Sec. 17, T19S, R31E
Operator: Devon
Drilling Contractor: McVay Drilling Company

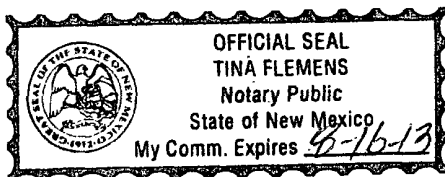
The undersigned certifies that he is an authorized representative of the drilling contractor who drilled the above described well and that he has conducted deviation tests and obtained the following results:

<u>Degrees @</u>	<u>Depth</u>	<u>Degrees @</u>	<u>Depth</u>	<u>Degrees @</u>	<u>Depth</u>
0.25	252	0.24	6950	90.70	10803
0.17	341	0.39	7426	91.90	10993
1.11	535	18.20	8460	90.90	11407
0.58	783	29.70	8587	90.30	11598
0.24	1242	39.30	8682	91.30	11788
1.76	1701	45.30	8746	90.10	12259
1.26	2170	59.60	8905	90.70	12538
2.15	2630	66.20	8968	91.40	12912
1.13	2881	71.60	9032	91.10	13099
0.77	3134	78.30	9126		
1.00	3638	84.70	9221		
0.55	4100	90.50	9316		
0.61	4573	91.00	9506		
0.31	5049	91.30	9887		
0.43	5524	90.00	10268		
0.61	6000	89.20	10364		
0.89	6475	91.20	10650		

By: H. H. Crandall Jr.

Subscribed and sworn to before me this 10th day of October, 2011

Tina Flemens
Notary Public, Lea County, New Mexico



DEVON ENERGY

Hackberry
Eddy County, NM
Sirius "17" Federal Com #3H
VH - Job #32K0911914

Survey: Actual

SDI Standard Survey Report

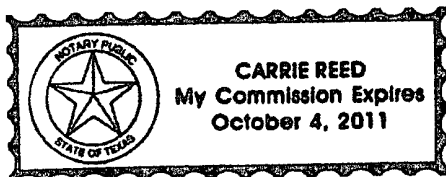
This survey is correct to the best of my knowledge and is supported by actual field data.

Richard

Notarized this date 4th of October, 2011.

Carrie Reed

Notary Signature
County of Midland
State of Texas



Scientific Drilling International, Inc.

SDI Standard Survey Report



Company:	DEVON ENERGY.	Local Co-ordinate Reference:	Well Sirius "17" Federal Com #3H
Project:	Hackberry	TVD Reference:	WELL @ 0.0usft (Original Well Elev)
Site:	Eddy County, NM	MD Reference:	WELL @ 0.0usft (Original Well Elev)
Well:	Sirius "17" Federal Com #3H	North Reference:	Grid
Wellbore:	VH - Job #32K0911881	Survey Calculation Method:	Minimum Curvature
Design:	VH - Job #32K0911881	Database:	EDM-Regulatory

Project		Hackberry	
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico Central 3002		

Site		Eddy County, NM			
Site Position:		Northing:	615,089.64 usft	Latitude:	32° 40' 8.400 N
From:	Lat/Long	Easting:	1,222,919.56 usft	Longitude:	103° 54' 3.600 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16"	Grid Convergence:	1.27 °

Well:	Sirius "17" Federal Com #3H, Directional (Cudd)					
Well Position	+N/-S	0 0 usft	Northing:	611,320 95 usft	Latitude:	32° 39' 30 980 N
	+E/-W	0 0 usft	Easting:	1,223,637 85 usft	Longitude:	103° 53' 56 180 W
Position Uncertainty		0 0 usft	Wellhead Elevation:	usft	Ground Level:	0.0 usft

Wellbore	VH - Job #32K0911881				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	9/19/2011	7 74	60 53	48,842

Design:	VH - Job #32K0911881			
Audit Notes:				
Version:	1 0	Phase:	ACTUAL	Tie On Depth: 0 0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction
	(usft)	(usft)	(usft)	(°)
	0 0	0 0	0 0	89 68

Survey Program		Date	10/23/2011		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
100.0	8,243.0	Actual (VH - Job #32K0911881)	Keeper	Keeper Gyro	

Survey							
Measured Depth (usft)	Inclination (°)	Azimuth (°)	True Vertical Depth	North/South (usft)	East/West (usft)	Closure Azimuth (°)	Closure Distance (usft)
0 0	0 00	0 00	0 0	0.0	0 0	0 00	0 0
100 0	0 21	81 88	100 0	0 0	0 2	81 88	0 2
200 0	0 26	155.95	200 0	-0 2	0 5	108 85	0 5
300 0	0 17	134 88	300 0	-0 5	0 7	125 59	0 8
400 0	0 39	205 85	400 0	-0 9	0 6	145 23	1 1
500 0	1 18	218 77	500 0	-2 0	-0 2	185 28	2 0
600 0	1 21	226 77	600 0	-3 5	-1 6	204 45	3 9
700 0	1 13	223 50	699 9	-5 0	-3 0	211 59	5 8
800 0	0 80	221 79	799 9	-6 2	-4 2	214 10	7 5
900 0	0 62	223 33	899.9	-7 1	-5 0	215 29	8 7
1,000 0	0 44	214 56	999 9	-7 8	-5 6	215 71	9 6
1,100 0	0 41	211 63	1,099 9	-8 4	-6 0	215 53	10 4

Scientific Drilling International, Inc.

SDI Standard Survey Report



Company:	DEVON ENERGY	Local Co-ordinate Reference:	Well Sirius "17" Federal Com #3H
Project:	Hackberry	TVD Reference:	WELL @ 0.0usft (Original Well Elev)
Site:	Eddy County, NM	MD Reference:	WELL @ 0.0usft (Original Well Elev)
Well:	Sirius "17" Federal Com #3H	North Reference:	Grid
Wellbore:	VH - Job #32K0911881	Survey Calculation Method:	Minimum Curvature
Design:	VH - Job #32K0911881	Database:	EDM-Regulatory

Survey								
Measured Depth (usft)	Inclination (°)	Azimuth (°)	True Vertical Depth	North/South (usft)	East/West (usft)	Closure Azimuth (°)	Closure Distance (usft)	
1,200.0	0.09	94.65	1,199.9	-8.7	-6.1	215.03	10.7	
1,300.0	1.05	53.39	1,299.9	-8.2	-5.3	212.95	9.8	
1,400.0	1.58	51.59	1,399.9	-6.8	-3.5	207.24	7.6	
1,500.0	1.89	55.62	1,499.8	-5.0	-1.1	191.93	5.1	
1,600.0	2.03	53.53	1,599.8	-3.0	1.7	150.32	3.5	
1,700.0	2.01	54.25	1,699.7	-1.0	4.6	101.75	4.7	
1,800.0	2.02	54.56	1,799.7	1.1	7.4	81.62	7.5	
1,900.0	1.98	46.10	1,899.6	3.3	10.1	71.85	10.6	
2,000.0	2.01	42.93	1,999.5	5.8	12.6	65.21	13.8	
2,100.0	1.75	38.46	2,099.5	8.3	14.7	60.61	16.9	
2,200.0	1.77	29.58	2,199.4	10.8	16.4	56.61	19.7	
2,300.0	1.77	28.58	2,299.4	13.5	17.9	52.96	22.4	
2,400.0	1.77	30.62	2,399.3	16.2	19.4	50.19	25.3	
2,500.0	1.79	32.04	2,499.3	18.9	21.1	48.15	28.3	
2,600.0	1.88	36.18	2,599.2	21.5	22.8	46.74	31.4	
2,700.0	1.63	32.68	2,699.2	24.0	24.6	45.66	34.4	
2,800.0	1.44	35.19	2,799.2	26.2	26.1	44.81	37.0	
2,900.0	0.86	35.98	2,899.1	27.9	27.2	44.34	39.0	
3,000.0	0.88	41.39	2,999.1	29.1	28.2	44.13	40.5	
3,100.0	0.75	41.48	3,099.1	30.1	29.1	44.03	41.9	
3,200.0	1.00	32.24	3,199.1	31.4	30.0	43.76	43.4	
3,300.0	1.02	39.51	3,299.1	32.8	31.1	43.46	45.2	
3,400.0	1.07	33.63	3,399.1	34.2	32.1	43.19	47.0	
3,500.0	0.93	18.94	3,499.1	35.8	32.9	42.61	48.6	
3,600.0	0.62	13.94	3,599.0	37.1	33.3	41.94	49.9	
3,700.0	0.63	12.76	3,699.0	38.1	33.6	41.35	50.8	
3,800.0	0.51	27.25	3,799.0	39.1	33.9	40.94	51.7	
3,900.0	0.77	16.64	3,899.0	40.1	34.3	40.52	52.8	
4,000.0	0.75	13.83	3,999.0	41.4	34.6	39.92	54.0	
4,100.0	0.90	24.28	4,099.0	42.7	35.1	39.41	55.3	
4,200.0	1.05	26.11	4,199.0	44.3	35.8	38.99	57.0	
4,300.0	1.06	32.15	4,299.0	45.9	36.7	38.68	58.8	
4,400.0	0.85	37.96	4,399.0	47.3	37.7	38.57	60.4	
4,500.0	0.75	53.79	4,499.0	48.2	38.7	38.72	61.8	
4,600.0	0.44	78.80	4,598.9	48.7	39.6	39.11	62.8	
4,700.0	0.43	89.73	4,698.9	48.8	40.3	39.59	63.3	
4,800.0	0.21	53.03	4,798.9	48.9	40.9	39.89	63.7	
4,900.0	0.11	28.33	4,898.9	49.1	41.0	39.91	64.0	
5,000.0	0.33	79.95	4,998.9	49.2	41.4	40.06	64.3	
5,100.0	0.13	85.11	5,098.9	49.3	41.8	40.29	64.6	
5,200.0	0.19	117.37	5,198.9	49.2	42.0	40.50	64.7	
5,300.0	0.29	169.83	5,298.9	48.9	42.2	40.82	64.6	
5,400.0	0.65	179.51	5,398.9	48.1	42.3	41.33	64.0	
5,500.0	0.96	213.64	5,498.9	46.8	41.8	41.78	62.8	

Scientific Drilling International, Inc.

SDI Standard Survey Report



Company:	DEVON ENERGY	Local Co-ordinate Reference:	Well Sirius "17" Federal Com #3H
Project:	Hackberry	TVD Reference:	WELL @ 0.0usft (Original Well Elev)
Site:	Eddy County, NM	MD Reference:	WELL @ 0.0usft (Original Well Elev)
Well:	Sirius "17" Federal Com #3H	North Reference:	Grid
Wellbore:	VH - Job #32K0911881	Survey Calculation Method:	Minimum Curvature
Design:	VH - Job #32K0911881	Database:	EDM-Regulatory

Survey							
Measured Depth (usft)	Inclination (°)	Azimuth (°)	True Vertical Depth	North/South (usft)	East/West (usft)	Closure Azimuth (°)	Closure Distance (usft)
5,600.0	0.90	218.72	5,598.9	45.5	40.9	41.93	61.1
5,700.0	0.81	238.33	5,698.9	44.5	39.8	41.78	59.7
5,800.0	0.77	244.20	5,798.9	43.8	38.6	41.33	58.4
5,900.0	0.92	255.73	5,898.9	43.4	37.2	40.62	57.1
6,000.0	0.94	265.64	5,998.9	43.1	35.6	39.55	55.9
6,100.0	0.98	267.17	6,098.9	43.0	33.9	38.27	54.7
6,200.0	1.06	273.63	6,198.8	43.0	32.1	36.77	53.7
6,300.0	1.32	280.54	6,298.8	43.3	30.1	34.80	52.7
6,400.0	1.47	288.20	6,398.8	43.9	27.7	32.28	51.9
6,500.0	1.18	294.85	6,498.8	44.7	25.6	29.76	51.5
6,600.0	1.06	301.28	6,598.7	45.6	23.8	27.59	51.5
6,700.0	1.01	295.96	6,698.7	46.5	22.3	25.59	51.6
6,800.0	0.79	290.52	6,798.7	47.1	20.8	23.84	51.5
6,900.0	0.03	92.57	6,898.7	47.4	20.2	23.10	51.5
7,000.0	0.84	92.75	6,998.7	47.3	21.0	23.89	51.8
7,100.0	1.85	80.67	7,098.7	47.5	23.1	25.94	52.8
7,200.0	1.33	70.53	7,198.6	48.1	25.6	28.03	54.5
7,300.0	0.75	60.97	7,298.6	48.8	27.3	29.20	56.0
7,400.0	0.32	11.21	7,398.6	49.4	27.9	29.46	56.8
7,500.0	0.35	283.77	7,498.6	49.8	27.7	29.07	57.0
7,600.0	0.84	277.23	7,598.6	50.0	26.7	28.09	56.6
7,700.0	0.89	266.81	7,698.6	50.0	25.2	26.71	56.0
7,800.0	0.70	247.62	7,798.6	49.7	23.8	25.59	55.1
7,900.0	0.86	251.29	7,898.6	49.3	22.5	24.59	54.2
8,000.0	0.91	256.19	7,998.6	48.8	21.1	23.33	53.2
8,100.0	0.86	259.58	8,098.6	48.5	19.5	21.95	52.3
8,200.0	0.91	237.47	8,198.6	47.9	18.1	20.73	51.3
8,243.0	0.82	219.77	8,241.6	47.5	17.7	20.39	50.7

Scientific Drilling International, Inc.

SDI Standard Survey Report



Company:	DEVON ENERGY	Local Co-ordinate Reference:	Well Sirius "17" Federal Com #3H
Project:	Hackberry	TVD Reference:	WELL @ 0 0usft (Original Well Elev)
Site:	Eddy County, NM	MD Reference:	WELL @ 0 0usft (Original Well Elev)
Well:	Sirius "17" Federal Com #3H	North Reference:	Grid
Wellbore:	VH - Job #32K0911914	Survey Calculation Method:	Minimum Curvature
Design:	VH - Job #32K0911914	Database:	EDM-Regulatory

Project: Hackberry	
Map System:	US State Plane 1927 (Exact solution)
Geo Datum:	NAD 1927 (NADCON CONUS)
Map Zone:	New Mexico Central 3002
System Datum:	Mean Sea Level

Site:		Eddy County, NM			
Site Position:		Northing:	615,089 64 usft	Latitude:	32° 40' 8 400 N
From:	Lat/Long	Easting:	1,222,919 56 usft	Longitude:	103° 54' 3 600 W
Position Uncertainty:	0 0 usft	Slot Radius:	13-3/16"	Grid Convergence:	1 27 °

Well	Sirius "17" Federal Com #3H, Directional (Cudd)					
Well Position	+N/-S	0 0 usft	Northing:	611,320 95 usft	Latitude:	32° 39' 30 980 N
	+E/-W	0 0 usft	Easting:	1,223,637 85 usft	Longitude:	103° 53' 56.180 W
Position Uncertainty		0 0 usft	Wellhead Elevation:	usft	Ground Level:	0 0 usft

Wellbore:	VH - Job #32K0911914
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Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	9/25/2011	7 74	60.53	48,840

Design:	VH - Job #32K0911914
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Audit Notes:					
Version:	1 0	Phase:	ACTUAL	Tie On Depth:	8,243 0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction	
	(usft)	(usft)	(usft)	(°)	
	0 0	0 0	0 0	89.68	

Survey Program		Date 10/23/2011		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
100 0	8,243 0	Actual (VH - Job #32K0911881)	Keeper	Keeper Gyro
8,273 0	9,188 0	Actual (VH - Job #32K0911914)	Keeper	Keeper Gyro

Measured Depth (usft)	Inclination (°)	Azimuth (°)	True Vertical Depth	North/South (usft)	East/West (usft)	Closure Azimuth (°)	Closure Distance (usft)
8,243 0	0 82	219 77	8,241 6	47 5	17 7	20 39	50 7
8,273 0	0 65	214 42	8,271 5	47 2	17 4	20 26	50 3
8,303 0	1 45	127 32	8,301 5	46 8	17 6	20 63	50 0
8,333 0	4 54	103 27	8,331 5	46 3	19 1	22 39	50 1
8,363 0	8 26	96 41	8,361 3	45 8	22 4	26 04	51 0
8,393 0	11 68	93 40	8,390 9	45 4	27 6	31 26	53 1
8,423 0	14 63	91 43	8,420 1	45 1	34 4	37 30	56 7
8,453 0	17 51	89 38	8,448 9	45 1	42 7	43 43	62 1
8,483 0	20 03	89 21	8,477 3	45 2	52 3	49 18	69 2
8,513 0	23 01	90 87	8,505 2	45 2	63 3	54 50	77 8
8,543 0	25.90	92 31	8,532 5	44 8	75 7	59 38	88 0

Scientific Drilling International, Inc.

SDI Standard Survey Report



Company:	DEVON ENERGY	Local Co-ordinate Reference:	Well Sirius "17" Federal Com #3H
Project:	Hackberry	TVD Reference:	WELL @ 0 0usft (Original Well Elev)
Site:	Eddy County, NM	MD Reference:	WELL @ 0 0usft (Original Well Elev)
Well:	Sirius "17" Federal Com #3H	North Reference:	Grid
Wellbore:	VH - Job #32K0911914	Survey Calculation Method:	Minimum Curvature
Design:	VH - Job #32K0911914	Database:	EDM-Regulatory

Survey							
Measured Depth (usft)	Inclination (°)	Azimuth (°)	True Vertical Depth	North/South (usft)	East/West (usft)	Closure Azimuth (°)	Closure Distance (usft)
8,573 0	28 53	92 64	8,559 2	44 2	89 5	63 69	99 8
8,603 0	31 34	92 04	8,585 2	43 6	104 4	67 32	113 2
8,633 0	34.25	91 47	8,610 4	43.1	120 7	70 33	128 1
8,663 0	37 54	91 29	8,634 7	42.7	138 2	72 83	144 7
8,693 0	40 80	91 30	8,657 9	42 3	157 2	74 94	162 8
8,723 0	43 81	91 15	8,680 1	41 9	177 4	76 72	182 2
8,753 0	46 21	91 15	8,701 3	41.4	198 6	78 22	202 8
8,783 0	48 41	91 39	8,721 7	40 9	220 6	79.49	224 4
8,813 0	51 57	91 72	8,741 0	40 3	243 6	80 60	246 9
8,843 0	54 19	92 12	8,759 1	39 5	267 5	81 60	270 4
8,873 0	56 97	92.28	8,776 0	38 6	292 2	82 48	294.7
8,903 0	59 44	92 45	8,791.8	37 5	317 7	83 27	319 9
8,933 0	63 13	92.68	8,806 2	36 3	344 0	83 97	345 9
8,963 0	65 78	92 75	8,819 2	35 0	371 0	84 60	372 7
8,993 0	68 17	92 75	8,830 9	33 7	398 6	85 16	400 0
9,023 0	71 14	92 96	8,841 3	32 3	426 7	85 67	427 9
9,053 0	73.43	93 17	8,850 5	30 8	455 2	86 13	456 2
9,083 0	76 02	92 96	8,858 4	29 2	484 1	86 54	485 0
9,113 0	77 84	92 81	8,865 1	27 8	513 3	86 90	514 0
9,143 0	79 80	92 19	8,871 0	26 5	542 7	87 21	543 3
9,173 0	81 78	91 72	8,875 8	25 5	572 3	87 45	572 8
9,188 0	82 64	91 59	8,877 8	25 1	587 1	87 56	587 7



Scientific Drilling
Directional Drilling Operations

Project: Hackberry
Eddy County, NM
Well: Sirius "17" Federal Com #3H
Wellbore: VH - Job #32K0911914
Design: VH - Job #32K0911914

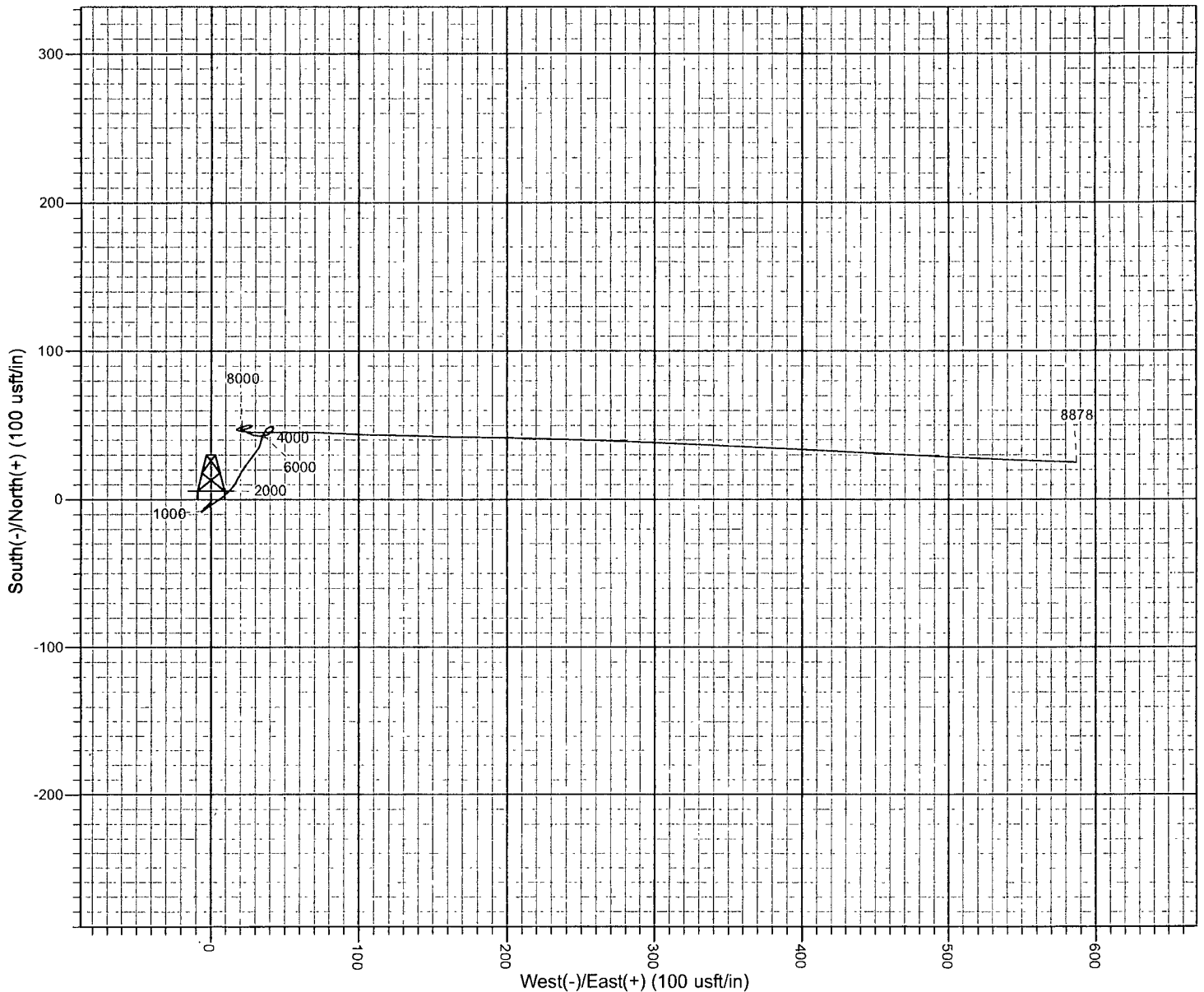


Azimuths to Grid North
True North -1 27°
Magnetic North 6 47°
Magnetic Field
Strength: 48840 0snT
Dip Angle: 60 53°
Date: 9/25/2011
Model: IGRF2010

WELL DETAILS: Sirius "17" Federal Com #3H
WELL @ 0.0usft (Original Well Elev)

Ground Level: 0.0

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	611320.95	1223637.85	32° 39' 30.980 N	103° 53' 56.180 W	



PROJECT DETAILS: Hackberry
Geodetic System: US State Plane 1927 (Exact solution)
Datum: NAD 1927 (NADCON CONUS)
Ellipsoid: Clarke 1866
Zone: New Mexico Central 3002
System Datum: Mean Sea Level

SITE DETAILS: Eddy County, NM
Site Centre Latitude: 32° 40' 8.400 N
Longitude: 103° 54' 3.600 W
Positional Uncertainty: 0 0
Convergence: 1.27
Local North: Grid



Devon Energy Production Co, LP

Eddy Co., New Mexico (Nad 83)

Sirius 17 Fed Com #3H

Sirius 17 Fed Com #3H

30-015-38481

Lateral #1

Survey: MWD #2

Standard Survey Report

02 October, 2011



CUDD Drilling and Measurement Survey Report

Company:	Devon Energy Production Co, LP	Local Co-ordinate Reference:	Site Sirius.17 Fed Com #3H
Project:	Eddy Co., New Mexico (Nad 83)	TVD Reference:	WELL @ 3444.00ft (Original Well Elev)
Site:	Sirius 17 Fed Com #3H	MD Reference:	WELL @ 3444.00ft (Original Well Elev)
Well:	Sirius 17 Fed Com #3H	North Reference:	Grid
Wellbore:	Lateral #1	Survey Calculation Method:	Minimum Curvature
Design:	Lateral #1	Database:	EDM 5000.1 Single User Db

Project:	Eddy Co., New Mexico (Nad 83)	System Datum:	Mean Sea Level
Map System:	US State Plane 1983		
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site						Sirius 17 Fed Com #3H; Sec 17, T-19S, R-31E					
Site Position:		Northing:		603,589.27 usft		Latitude:		32° 39' 30.823 N			
From:		Map		Easting:		675,020.45 usft		Longitude:		103° 53' 56.219 W	
Position Uncertainty:		0 00 ft		Slot Radius:		13-3/16 "		Grid Convergence:		0.23 °	

Well	Sirius-17 Fed Com #3H					
Well Position	+N/-S	0.00 ft	Northing:	603,589.27 usft	Latitude:	32° 39' 30.823 N
	+E/-W	0 00 ft	Easting:	675,020.45 usft	Longitude:	103° 53' 56.219 W
Position Uncertainty	0.00 ft	Wellhead Elevation:	3,444.00 ft	Ground Level:	3,424.00 ft	

Wellbore						Lateral #1					
Magnetics		Model Name		Sample Date		Declination (°)		Dip Angle (°)		Field Strength (nT)	
		IGRF2010		8/30/2011		7.74		60.53		48,821	

Design:	Lateral #1				
Audit Notes:					
Version:	1 0	Phase:	ACTUAL	Tie On Depth:	0 00

Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction
	(ft)	(ft)	(ft)	(°)
	0 00	0 00	0.00	89.68

Survey Program		Date	10/2/2011		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
100.00	8,243.00	Gyro (Lateral #1)	NS-GYRO-MS	North sensing gyrocompassing m/s	
8,270.00	9,032.00	MWD #1 (Lateral #1)	CUDD MWD	MWD - Standard CUDD MWD	
9,053.00	9,188.00	Gyro #2 (Lateral #1)	NS-GYRO-MS	North sensing gyrocompassing m/s	
9,221.00	13,156.00	MWD #2 (Lateral #1)	CUDD MWD	MWD - Standard CUDD MWD	

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)
	9,188.00	82.64	91.59	8,879.81	32.64	585.57	585.75	0.00	0.00	0.00
Tie-in to Gyro	9,221.00	85.10	91.40	8,883.33	31.79	618.37	618.54	7.48	7.45	-0.58
	9,252.00	87.70	91.20	8,885.28	31.09	649.30	649.46	8.41	8.39	-0.65
	9,284.00	89.90	90.80	8,885.95	30.53	681.29	681.45	6.99	6.88	-1.25
	9,316.00	90.50	90.30	8,885.84	30.22	713.28	713.44	2.44	1.88	-1.56
	9,411.00	91.90	90.10	8,883.85	29.89	808.26	808.41	1.49	1.47	-0.21
	9,506.00	91.00	90.80	8,881.44	29.14	903.22	903.37	1.20	-0.95	0.74



CUDD Drilling and Measurement Survey Report

Company:	Devon Energy Production Co, LP	Local Co-ordinate Reference:	Site Sirius 17 Fed Com #3H
Project:	Eddy Co., New Mexico (Nad 83)	TVD Reference:	WELL @ 3444.00ft (Original Well Elev)
Site:	Sirius 17 Fed Com #3H	MD Reference:	WELL @ 3444.00ft (Original Well Elev)
Well:	Sirius 17 Fed Com #3H	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)
9,601.00	89.70	91.10	8,880.86	27.57	998.21	998.35	1.40	-1.37	0.32
9,697.00	90.70	90.50	8,880.53	26.23	1,094.20	1,094.33	1.21	1.04	-0.63
9,792.00	91.90	90.10	8,878.37	25.73	1,189.17	1,189.29	1.33	1.26	-0.42
9,887.00	91.30	89.70	8,875.72	25.90	1,284.13	1,284.26	0.76	-0.63	-0.42
9,982.00	90.10	90.10	8,874.56	26.06	1,379.12	1,379.25	1.33	-1.26	0.42
10,078.00	90.40	90.00	8,874.14	25.98	1,475.12	1,475.24	0.33	0.31	-0.10
10,173.00	90.00	89.70	8,873.81	26.23	1,570.12	1,570.24	0.53	-0.42	-0.32
10,268.00	90.00	89.70	8,873.81	26.72	1,665.12	1,665.24	0.00	0.00	0.00
10,364.00	89.20	89.50	8,874.48	27.40	1,761.11	1,761.24	0.86	-0.83	-0.21
10,459.00	90.40	89.50	8,874.81	28.22	1,856.11	1,856.24	1.26	1.26	0.00
10,554.00	89.80	89.60	8,874.64	28.97	1,951.10	1,951.23	0.64	-0.63	0.11
10,650.00	91.20	89.50	8,873.81	29.72	2,047.09	2,047.23	1.46	1.46	-0.10
10,745.00	90.70	90.10	8,872.23	30.06	2,142.08	2,142.21	0.82	-0.53	0.63
10,840.00	91.30	89.30	8,870.57	30.55	2,237.06	2,237.20	1.05	0.63	-0.84
10,935.00	91.10	88.60	8,868.58	32.29	2,332.03	2,332.17	0.77	-0.21	-0.74
11,028.00	90.10	88.70	8,867.61	34.48	2,424.99	2,425.15	1.08	-1.08	0.11
11,125.00	91.30	88.50	8,866.42	36.85	2,521.96	2,522.12	1.25	1.24	-0.21
11,219.00	90.60	88.40	8,864.87	39.40	2,615.91	2,616.09	0.75	-0.74	-0.11
11,312.00	91.00	89.10	8,863.57	41.42	2,708.88	2,709.06	0.87	0.43	0.75
11,407.00	90.90	89.20	8,861.99	42.83	2,803.85	2,804.05	0.15	-0.11	0.11
11,502.00	91.00	88.70	8,860.42	44.57	2,898.82	2,899.03	0.54	0.11	-0.53
11,597.00	90.30	89.50	8,859.34	46.07	2,993.80	2,994.01	1.12	-0.74	0.84
11,693.00	91.60	89.20	8,857.75	47.16	3,089.78	3,090.00	1.39	1.35	-0.31
11,788.00	91.30	90.10	8,855.34	47.74	3,184.75	3,184.97	1.00	-0.32	0.95
11,881.00	90.80	90.30	8,853.64	47.41	3,277.73	3,277.95	0.58	-0.54	0.22
11,979.00	92.00	90.10	8,851.25	47.07	3,375.70	3,375.91	1.24	1.22	-0.20
12,070.00	90.20	90.50	8,849.50	46.59	3,466.68	3,466.88	2.03	-1.98	0.44
12,165.00	91.20	90.10	8,848.34	46.10	3,561.67	3,561.87	1.13	1.05	-0.42
12,258.00	90.90	90.30	8,846.63	45.77	3,654.65	3,654.85	0.39	-0.32	0.22
12,352.00	92.30	90.00	8,844.01	45.52	3,748.61	3,748.81	1.52	1.49	-0.32
12,444.00	91.30	90.20	8,841.12	45.36	3,840.57	3,840.76	1.11	-1.09	0.22
12,538.00	90.70	90.80	8,839.48	44.54	3,934.55	3,934.73	0.90	-0.64	0.64
12,630.00	90.00	91.40	8,838.92	42.78	4,026.53	4,026.70	1.00	-0.76	0.65
12,724.00	89.60	90.80	8,839.24	40.97	4,120.51	4,120.67	0.77	-0.43	-0.64
12,818.00	90.60	90.10	8,839.08	40.23	4,214.50	4,214.66	1.30	1.06	-0.74
12,910.00	91.40	90.30	8,837.48	39.91	4,306.49	4,306.64	0.90	0.87	0.22
13,005.00	91.50	90.80	8,835.07	39.00	4,401.45	4,401.60	0.54	0.11	0.53
13,098.00	91.10	91.80	8,832.96	36.89	4,494.40	4,494.54	1.16	-0.43	1.08
Last CUDD survey									
13,156.00	91.10	91.80	8,831.85	35.07	4,552.37	4,552.49	0.00	0.00	0.00
Projection to bit									



CUDD Drilling and Measurement Survey Report

Company:	Devon Energy Production Co, LP	Local Co-ordinate Reference:	Site: Sirius 17 Fed Com #3H
Project:	Eddy Co., New Mexico (Nad 83)	TVD Reference:	WELL @ 3444.00ft (Original Well Elev)
Site:	Sirius 17 Fed Com #3H	MD Reference:	WELL @ 3444.00ft (Original Well Elev)
Well:	Sirius 17 Fed Com #3H	North Reference:	Grid
Wellbore:	Lateral #1	Survey Calculation Method:	Minimum Curvature
Design:	Lateral #1	Database:	EDM 5000.1 Single User Db

Survey Annotations				
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
9,188.00	8,879.81	32.64	585.57	Tie-in to Gyro
13,098.00	8,832.96	36.89	4,494.40	Last CUDD survey
13,156.00	8,831.85	35.07	4,552.37	Projection to bit

Checked By: _____ Approved By: _____ Date: _____

Sirius 17 Fed Com 3H_MWD Survey-Report_10-02-11.txt
 Devon Energy Production Co, LP
 Sirius 17 Fed Com #3H - MWD #2

Eddy Co., New Mexico (Nad 83)
 Sirius 17 Fed Com #3H

Measured Dogleg Depth Rate (ft) (°/100ft)	Incl.	Azim.	Vertical Depth (ft)	Northings (ft)	Eastings (ft)	Vertical Section (ft)
9188.00	82.640	91.590	8879.81	32.64 N	585.57 E	585.75
0.00						
9221.00	85.100	91.400	8883.33	31.79 N	618.37 E	618.54
7.48						
9252.00	87.700	91.200	8885.28	31.09 N	649.30 E	649.46
8.41						
9284.00	89.900	90.800	8885.95	30.53 N	681.29 E	681.45
6.99						
9316.00	90.500	90.300	8885.84	30.22 N	713.28 E	713.44
2.44						
9411.00	91.900	90.100	8883.85	29.89 N	808.26 E	808.41
1.49						
9506.00	91.000	90.800	8881.44	29.14 N	903.22 E	903.37
1.20						
9601.00	89.700	91.100	8880.86	27.57 N	998.21 E	998.35
1.40						
9697.00	90.700	90.500	8880.53	26.23 N	1094.20 E	1094.33
1.21						
9792.00	91.900	90.100	8878.37	25.73 N	1189.17 E	1189.29
1.33						
9887.00	91.300	89.700	8875.72	25.90 N	1284.13 E	1284.26
0.76						
9982.00	90.100	90.100	8874.56	26.06 N	1379.12 E	1379.25
1.33						
10078.00	90.400	90.000	8874.14	25.98 N	1475.12 E	1475.24
0.33						
10173.00	90.000	89.700	8873.81	26.23 N	1570.12 E	1570.24
0.53						
10268.00	90.000	89.700	8873.81	26.72 N	1665.12 E	1665.24
0.00						
10364.00	89.200	89.500	8874.48	27.40 N	1761.11 E	1761.24
0.86						
10459.00	90.400	89.500	8874.81	28.22 N	1856.11 E	1856.24
1.26						
10554.00	89.800	89.600	8874.64	28.97 N	1951.10 E	1951.23
0.64						
10650.00	91.200	89.500	8873.81	29.72 N	2047.09 E	2047.23
1.46						
10745.00	90.700	90.100	8872.23	30.06 N	2142.08 E	2142.21
0.82						
10840.00	91.300	89.300	8870.57	30.55 N	2237.06 E	2237.20
1.05						
10935.00	91.100	88.600	8868.58	32.29 N	2332.03 E	2332.17
0.77						
11028.00	90.100	88.700	8867.61	34.48 N	2424.99 E	2425.15
1.08						
11125.00	91.300	88.500	8866.42	36.85 N	2521.96 E	2522.12
1.25						
11219.00	90.600	88.400	8864.87	39.40 N	2615.91 E	2616.09
0.75						

Sirius 17 Fed Com 3H_MWD Survey-Report_10-02-11.txt

11312.00	91.000	89.100	8863.57	41.42 N	2708.88 E	2709.06
0.87						
11407.00	90.900	89.200	8861.99	42.83 N	2803.85 E	2804.05
0.15						
11502.00	91.000	88.700	8860.42	44.57 N	2898.82 E	2899.03
0.54						
11597.00	90.300	89.500	8859.34	46.07 N	2993.80 E	2994.01
1.12						
11693.00	91.600	89.200	8857.75	47.16 N	3089.78 E	3090.00
1.39						
11788.00	91.300	90.100	8855.34	47.74 N	3184.75 E	3184.97
1.00						
11881.00	90.800	90.300	8853.64	47.41 N	3277.73 E	3277.95
0.58						
11979.00	92.000	90.100	8851.25	47.07 N	3375.70 E	3375.91
1.24						
12070.00	90.200	90.500	8849.50	46.59 N	3466.68 E	3466.88
2.03						
12165.00	91.200	90.100	8848.34	46.10 N	3561.67 E	3561.87
1.13						
12258.00	90.900	90.300	8846.63	45.77 N	3654.65 E	3654.85
0.39						
12352.00	92.300	90.000	8844.01	45.52 N	3748.61 E	3748.81
1.52						
12444.00	91.300	90.200	8841.12	45.36 N	3840.57 E	3840.76
1.11						
12538.00	90.700	90.800	8839.48	44.54 N	3934.55 E	3934.73
0.90						
12630.00	90.000	91.400	8838.92	42.78 N	4026.53 E	4026.70
1.00						
12724.00	89.600	90.800	8839.24	40.97 N	4120.51 E	4120.67
0.77						
12818.00	90.600	90.100	8839.08	40.23 N	4214.50 E	4214.66
1.30						
12910.00	91.400	90.300	8837.48	39.91 N	4306.49 E	4306.64
0.90						
13005.00	91.500	90.800	8835.07	39.00 N	4401.45 E	4401.60
0.54						
13098.00	91.100	91.800	8832.96	36.89 N	4494.40 E	4494.54
1.16						
13156.00	91.100	91.800	8831.85	35.07 N	4552.37 E	4552.49
0.00						

All data are in feet unless otherwise stated. Directions and coordinates are relative to Grid North.

Vertical depths are relative to WELL. Northings and Eastings are relative to Site.

The Dogleg Severity is in Degrees per 100 feet.

Vertical Section is from Slot and calculated along an Azimuth of 89.680° (Grid).

Coordinate System is North American Datum 1983 US State Plane 1983, New Mexico Eastern Zone.

Central meridian is -104.333°.

Grid Convergence at Surface is 0.234°.

Based upon Minimum Curvature type calculations, at a Measured Depth of 13156.00ft., the Bottom Hole Displacement is 4552.50ft., in the Direction of 89.680° (Grid).