

30-015-38238



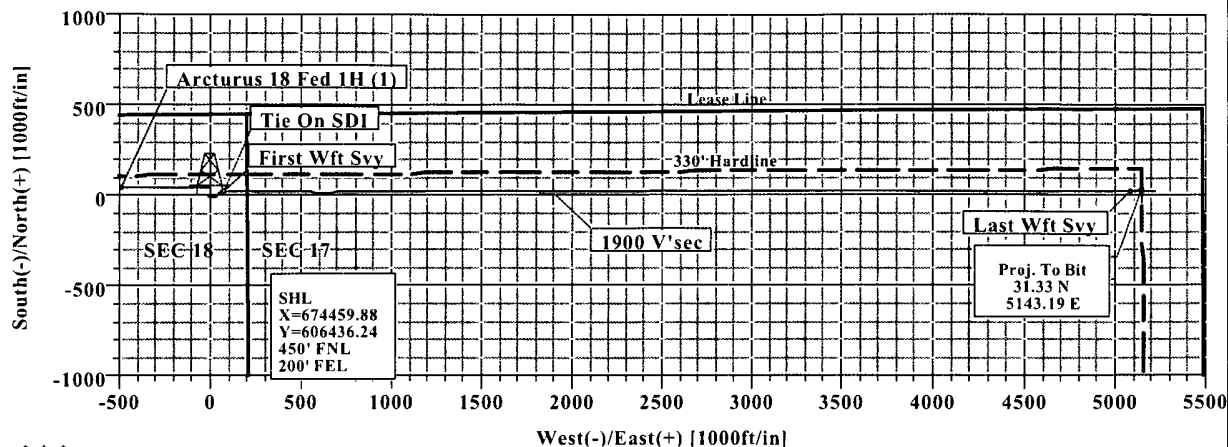
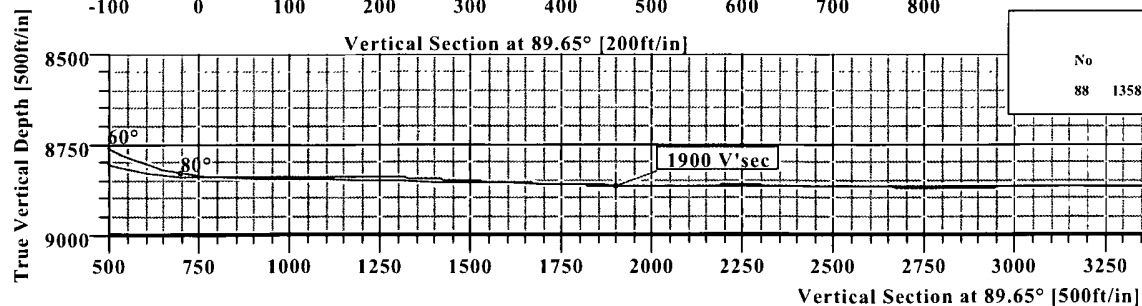
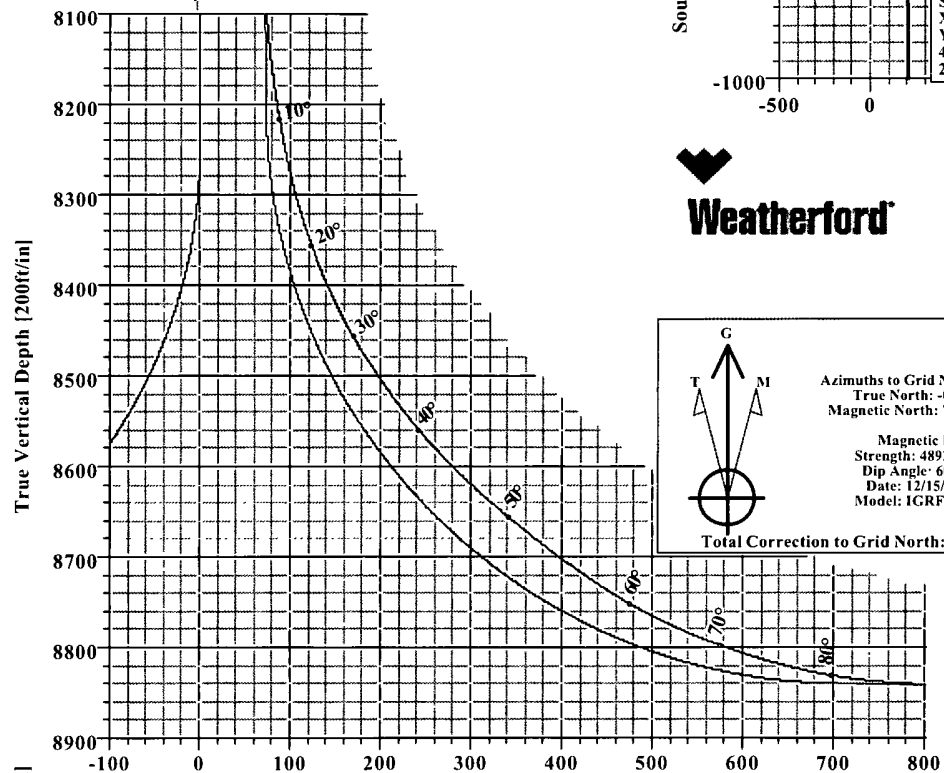
SIRIUS 17 FED 1H
EDDY CO., NEW MEXICO

RECEIVED

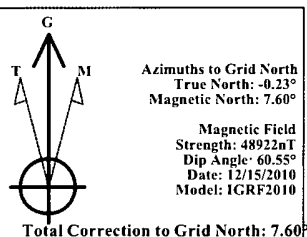
AUG 10 2011

NMOCD ARTESIA

KB ELEV: 3465.6
GL ELEV: 3440.6



Weatherford



SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	8127.00	0.89	111.71	8125.97	23.37	71.83	0.00	0.00	71.97	
2	8213.75	0.89	111.71	8212.71	22.87	73.08	0.00	0.00	73.22	
3	9191.13	88.79	89.86	8840.00	20.85	696.20	9.00	-21.86	696.31	
4	10354.75	88.79	89.86	8864.57	23.70	1859.56	0.00	0.00	1859.67	
5	10395.08	90.00	89.86	8865.00	23.80	1899.89	3.00	0.00	1900.00	
6	13636.52	90.00	89.88	8865.00	31.19	5141.32	0.00	90.27	5141.41	PBHL

WELL DETAILS

Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
Sirius Fed 1H	0.00	0.00	606436.24	674459.88	32°39'59.004N	103°54'02.656W	N/A

TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
1900 V'sec	8865.00	11.61	1899.96	606447.85	676359.84	Point
PBHL	8865.00	31.19	5141.32	606467.43	679601.20	Point

FIELD DETAILS

Eddy Co., NM (NAD 83)

Geodetic System: US State Plane Coordinate System 1983
Ellipsoid: GRS 1980
Zone: New Mexico, Eastern Zone
Magnetic Model: IGRF2010

System Datum: Mean Sea Level
Local North: Grid North

SITE DETAILS

Sirius 17 Fed 1H

Site Centre Northing: 606436.24
Easting: 674459.88
Ground Level: 3440.60
Positional Uncertainty: 0.00
Convergence: 0.23

Survey: Wft Svy (Sirius Fed 1H/1)

No	MD	Inc	Az	TVD	+N/-S	+E/-W	DLeg	TFace	VSec
88	13588.00	90.80	88.82	8866.71	31.33	5143.19	0.00	0.00	5143.29

Proj. To Bit

Last Wft Svy

Survey: Wft Svy (Sirius Fed 1H/1)

Created By: Russell W. Joyner

Date: 1/3/2011



Weatherford International Ltd.

WFT Survey Report X & Y's

**Weatherford**

Company: Devon Energy	Date: 1/3/2011	Time: 08 28 20	Page: 1
Field: Eddy Co., NM (NAD 83)	Co-ordinate(NE) Reference: Well Sirius Fed 1H, Grid North		
Site: Sirius 17 Fed 1H	Vertical (TVD) Reference: SITE 3465 6		
Well: Sirius Fed 1H	Section (VS) Reference: Well (0.00N,0.00E,89.65Azi)		
Wellpath: 1	Survey Calculation Method: Minimum Curvature	Db: Sybase	

Survey: Wft Svy	Start Date: 12/13/2010
Company: Weatherford International Ltd.	Engineer: Russell W Joyner
Tool: MWD,MWD - Standard	Tied-to: User Defined

Field: Eddy Co., NM (NAD 83)

Map System: US State Plane Coordinate System 1983	Map Zone: New Mexico, Eastern Zone
Geo Datum: GRS 1980	Coordinate System: Well Centre
Sys Datum: Mean Sea Level	Geomagnetic Model: IGRF2010

Site: Sirius 17 Fed 1H

Site Position:	Northing: 606436 24 ft	Latitude: 32 39 59 004 N
From: Map	Easting: 674459 88 ft	Longitude: 103 54 2 656 W
Position Uncertainty: 0.00 ft		North Reference: Grid
Ground Level: 3440.60 ft		Grid Convergence: 0.23 deg

Well: Sirius Fed 1H	Slot Name:
Well Position: +N/-S 0.00 ft	Northing: 606436 24 ft
+E/-W 0.00 ft	Easting : 674459 88 ft
Position Uncertainty: 0.00 ft	Latitude: 32 39 59 004 N
	Longitude: 103 54 2.656 W

Wellpath: 1	Drilled From: Surface
Current Datum: SITE	Tie-on Depth: 0.00 ft
Magnetic Data: 12/15/2010	Above System Datum: Mean Sea Level
Field Strength: 48922 nT	Declination: 7 83 deg
Vertical Section: Depth From (TVD)	Mag Dip Angle: 60.55 deg
ft	+E/-W
	ft
	Direction
	deg
0.00	0 00
	0.00
	89 65

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	DLS deg/100ft	VS ft	MapN ft	MapE ft	Comment
8000.00	1.32	103.55	7998.99	24.14	69.39	0.00	69.54	606460.38	674529.27	Tie On SDI First Wft Svy
8045.00	1.16	111.28	8043.98	23.85	70.32	0.51	70.46	606460.09	674530.20	
8140.00	6.45	82.70	8138.74	24.18	76.51	5.75	76.66	606460.42	674536.39	
8171.00	7.85	88.68	8169.50	24.45	80.36	5.11	80.50	606460.69	674540.24	
8202.00	9.45	75.38	8200.15	25.14	84.94	8.23	85.09	606461.38	674544.82	
8234.00	10.50	81.35	8231.67	26.25	90.36	4.60	90.52	606462.49	674550.24	
8265.00	12.22	85.06	8262.06	26.95	96.42	6.03	96.58	606463.19	674556.30	
8297.00	14.85	87.82	8293.17	27.40	103.89	8.46	104.06	606463.64	674563.77	
8328.00	17.22	88.37	8322.96	27.68	112.45	7.66	112.62	606463.92	674572.33	
8360.00	19.80	88.92	8353.30	27.92	122.61	8.08	122.77	606464.16	674582.49	
8391.00	21.87	90.82	8382.27	27.94	133.63	7.02	133.80	606464.18	674593.51	
8423.00	25.11	90.00	8411.62	27.85	146.38	10.18	146.55	606464.09	674606.26	
8454.00	28.14	89.26	8439.33	27.94	160.27	9.83	160.44	606464.18	674620.15	
8486.00	31.08	88.72	8467.14	28.23	176.08	9.23	176.25	606464.47	674635.96	
8517.00	33.60	88.60	8493.33	28.62	192.66	8.13	192.83	606464.86	674652.54	
8549.00	35.91	90.63	8519.62	28.73	210.90	8.07	211.07	606464.97	674670.78	
8580.00	38.12	90.88	8544.37	28.48	229.56	7.15	229.73	606464.72	674689.44	
8612.00	41.09	90.47	8569.03	28.24	249.95	9.32	250.12	606464.48	674709.83	
8643.00	44.03	90.07	8591.86	28.15	270.92	9.52	271.08	606464.39	674730.80	
8675.00	46.89	89.98	8614.30	28.14	293.72	8.94	293.89	606464.38	674753.60	
8706.00	48.47	90.77	8635.17	27.98	316.64	5.43	316.81	606464.22	674776.52	
8738.00	49.94	91.87	8656.08	27.42	340.86	5.28	341.02	606463.66	674800.74	
8769.00	51.69	91.21	8675.66	26.78	364.88	5.88	365.04	606463.02	674824.76	
8803.00	53.32	91.47	8696.36	26.15	391.85	4.83	392.00	606462.39	674851.73	



Weatherford International Ltd.

WFT Survey Report X & Y's

**Weatherford**

Company: Devon Energy
Field: Eddy Co., NM (NAD 83)
Site: Sirius 17 Fed 1H
Well: Sirius Fed 1H
Wellpath: 1

Date: 1/3/2011
Co-ordinate(NE) Reference: Well. Sirius Fed 1H, Grid North
Vertical (TVD) Reference: SITE 3465 6
Section (VS) Reference: Well (0 00N,0 00E,89.65Azi)
Survey Calculation Method: Minimum Curvature
Db: Sybase

Page: 2

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	DLS deg/100ft	VS ft	MapN ft	MapE ft	Comment
8835 00	55 13	91 33	8715 07	25.51	417 80	5 67	417 95	606461.75	674877 68	
8866 00	57 17	91.30	8732.33	24 92	443 54	6 58	443.68	606461 16	674903 42	
8898 00	59 52	91 66	8749.13	24 22	470 77	7.41	470.90	606460 46	674930 65	
8929 00	62 90	91.88	8764.05	23 38	497 92	10 92	498.05	606459 62	674957 80	
8961.00	65.43	92.26	8778.00	22.34	526.70	7.98	526 82	606458 58	674986.58	
8992 00	68 27	92.43	8790 18	21.17	555 17	9.18	555 29	606457.41	675015 05	
9024 00	70 80	91.89	8801.37	20 04	585 13	8.06	585.24	606456 28	675045 01	
9055 00	73 09	91 10	8810.98	19 28	614.59	7.77	614.70	606455 52	675074 47	
9087 00	75 40	90 67	8819.67	18 80	645 38	7.33	645.49	606455 04	675105 26	
9118 00	78.07	90.20	8826 78	18 57	675.55	8.74	675.65	606454 81	675135.43	
9150.00	80.82	90 40	8832.64	18 41	707 01	8 62	707.11	606454 65	675166 89	
9181 00	83 72	90.59	8836 81	18 14	737.72	9.37	737.82	606454 38	675197 60	
9213.00	86 18	90.88	8839 63	17 73	769 59	7 74	769.69	606453 97	675229 47	
9244.00	87 73	90.94	8841 27	17.24	800 54	5 00	800 63	606453.48	675260 42	
9275.00	88 33	90 71	8842 34	16 80	831.52	2.07	831.61	606453 04	675291.40	
9307.00	88 78	90.53	8843 14	16 45	863.51	1.51	863.59	606452 69	675323.39	
9338.00	89.55	90 21	8843.60	16 25	894 51	2 69	894.59	606452 49	675354.39	
9370 00	90 17	89.92	8843.67	16 21	926 51	2 14	926.59	606452.45	675386.39	
9433 00	90 59	89.00	8843 26	16 81	989.50	1.61	989 58	606453 05	675449.38	
9464.00	90 94	88.55	8842.84	17.47	1020 49	1 84	1020.58	606453 71	675480 37	
9559 00	90 88	88.83	8841.33	19.64	1115 45	0 30	1115.55	606455 88	675575 33	
9654.00	89.62	88 75	8840.92	21.65	1210 43	1 33	1210 54	606457 89	675670.31	
9748 00	87 75	89.15	8843.08	23 37	1304 39	2 03	1304 50	606459 61	675764.27	
9843.00	86.82	89.09	8847 58	24.83	1399 27	0 98	1399.39	606461 07	675859 15	
9938 00	87 03	89.71	8852 67	25 82	1494 12	0.69	1494 25	606462.06	675954.00	
10032.00	88 15	90.39	8856 63	25 74	1588.04	1.39	1588.17	606461.98	676047.92	
10127.00	88 01	90.79	8859 81	24 76	1682.98	0.45	1683 10	606461.00	676142 86	
10221.00	87 87	91.12	8863 19	23 19	1776.91	0 38	1777 01	606459.43	676236.79	
10316.00	89 20	92 47	8865 62	20 22	1871.82	1 99	1871.91	606456.46	676331 70	
10410.00	89.90	92 07	8866 35	16.50	1965.75	0 86	1965.81	606452 74	676425 63	
10505.00	90.38	89 25	8866 12	15 40	2060.73	3 01	2060.79	606451 64	676520 61	
10600 00	90 95	88 39	8865.02	17.36	2155.70	1 09	2155.77	606453 60	676615 58	
10695.00	89.90	89 29	8864 31	19.28	2250.68	1 46	2250.75	606455 52	676710 56	
10789 00	89.06	89 29	8865 17	20.45	2344.67	0 89	2344.75	606456 69	676804 55	
10884.00	89 06	89 92	8866.73	21 10	2439.65	0 66	2439.73	606457 34	676899.53	
10978 00	89.34	88.93	8868.04	22 04	2533.64	1.09	2533 72	606458 28	676993.52	
11073.00	89 13	89 11	8869.31	23.67	2628 61	0.29	2628 71	606459 91	677088.49	
11168.00	89 96	89 13	8870.06	25.13	2723.60	0.87	2723 70	606461 37	677183.48	
11262 00	90 10	89.07	8870 01	26 60	2817.59	0 16	2817.70	606462 84	677277 47	
11357 00	90.03	89 34	8869 90	27.92	2912.58	0 29	2912 69	606464 16	677372 46	
11451.00	90 81	89 96	8869.22	28.50	3006 57	1.06	3006 69	606464.74	677466 45	
11546.00	90 59	89.94	8868 06	28.58	3101.56	0 23	3101.68	606464 82	677561.44	
11640 00	90 73	89.91	8866 97	28 70	3195.56	0 15	3195.67	606464 94	677655.44	
11735 00	90.59	90 51	8865.88	28.35	3290 55	0 65	3290 66	606464 59	677750.43	
11829.00	90.59	90 82	8864 91	27 26	3384.54	0.33	3384 64	606463 50	677844 42	
11924.00	90.66	90 88	8863.87	25 85	3479.52	0 10	3479 62	606462 09	677939 40	
12018 00	90 80	90 79	8862 68	24 48	3573.51	0 18	3573.59	606460 72	678033.39	
12112.00	89 97	89 96	8862 04	23 87	3667.50	1 25	3667 58	606460.11	678127 38	
12207 00	89 75	90 50	8862 28	23 49	3762.50	0 61	3762.57	606459 73	678222.38	
12301.00	89.40	90.96	8862 97	22.29	3856 49	0 61	3856.55	606458 53	678316.37	
12396 00	89 40	92 12	8863.97	19.74	3951.45	1 22	3951.49	606455 98	678411.33	
12490 00	89 48	91.15	8864 89	17.06	4045 40	1 04	4045.43	606453 30	678505 28	



Weatherford International Ltd.

WFT Survey Report X & Y's

**Weatherford**

Company: Devon Energy	Date: 1/3/2011	Time: 08.28.20	Page: 3
Field: Eddy Co., NM (NAD 83)	Co-ordinate(NE) Reference: Well. Sirius Fed 1H, Grd North		
Site: Sirius 17 Fed 1H	Vertical (TVD) Reference: SITE 3465 6		
Well: Sirius Fed 1H	Section (VS) Reference: Well (0.00N,0.00E,89 65Azi)		
Wellpath: 1	Survey Calculation Method: Minimum Curvature	Db: Sybase	

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	DLS deg/100ft	VS ft	MapN ft	MapE ft	Comment
12585.00	89.34	89.76	8865.87	16.30	4140.39	1.47	4140.42	606452.54	678600.27	
12680.00	89.89	88.94	8866.50	17.38	4235.38	1.04	4235.41	606453.62	678695.26	
12774.00	88.85	90.49	8867.54	17.85	4329.37	1.99	4329.40	606454.09	678789.25	
12869.00	89.34	89.41	8869.04	17.93	4424.36	1.25	4424.39	606454.17	678884.24	
12963.00	89.06	89.60	8870.35	18.74	4518.35	0.36	4518.38	606454.98	678978.23	
13058.00	90.53	89.00	8870.69	19.90	4613.33	1.67	4613.37	606456.14	679073.21	
13153.00	90.25	88.79	8870.04	21.73	4708.31	0.37	4708.36	606457.97	679168.19	
13247.00	90.31	88.71	8869.58	23.78	4802.29	0.11	4802.35	606460.02	679262.17	
13342.00	90.17	88.75	8869.19	25.89	4897.27	0.15	4897.33	606462.13	679357.15	
13436.00	90.52	88.62	8868.62	28.05	4991.24	0.40	4991.32	606464.29	679451.12	
13524.00	90.80	88.82	8867.61	30.01	5079.21	0.39	5079.30	606466.25	679539.09	Last Wft Svy
13588.00	90.80	88.82	8866.71	31.33	5143.19	0.00	5143.29	606467.57	679603.07	Proj. To Bit

Annotation

MD ft	TVD ft	
8000.00	7998.99	Tie On SDI
8045.00	8043.98	First Wft Svy
13524.00	8867.61	Last Wft Svy
13588.00	8866.71	Proj To Bit



Weatherford[®]

Evaluation, Drilling & Intervention
10000 West County Rd. 116
P.O. Box 61028
Midland, TX USA 79711
Tel. (432) 561-8892 Fax (432) 561-8895

Devon Energy
20 North Broadway
Oklahoma City, OK, 73102

Date: January 6, 2011

Attention: Wes Handley

Re: Devon Energy
Well: Sirius 17 Fed #1H
Eddy County, New Mexico

Enclosed, please find the original survey performed on the referenced well by Precision Energy Services, Inc. (P-5 No. 676004), a Weatherford company. Other information required by your office is as follows:

Name & Title Of Surveyor	Well Number	Surveyed Depths	Dates Performed	Type of Survey
Ralph Zamora MWD Supervisor	1H	8045' MD 13524' MD	12/7/2010 1/5/2011	Measurement While Drilling

A notarized plan vs. actual is attached to the survey report. If any other information is required, please contact the undersigned at the letterhead address and phone number.

Luke Schnell
Area Manager

On this, the 6th day of January, 2011, before me a notary public, the undersigned officer, personally appeared Luke Schnell, known to me (or satisfactorily proven) to be the person whose name is subscribed to the within instrument, and acknowledged that he executed the same for the purposes therein contained.

In witness hereof, I hereunto set my hand and official seal.

Notary Public

