



PO Box 261021
Corpus Christi, Texas 78426
(361) 767-0602 • (800) 606-GYRO • Fax (361) 767-0612

March 23, 2012

30-015-39229

Devon Energy Production Co., L. P.
20 North Broadway
Oklahoma City, OK 73102-8260

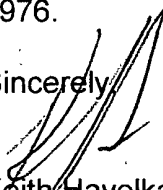
Attn: Mark Cooper

Re: **Cotton Draw 10 Federal Com 001H**

Please find enclosed a copy of the survey from 0' to 7540' ran on the above referenced well.

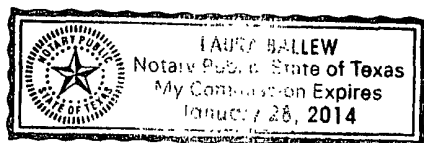
If I can be of any further service please do not hesitate to call me at 800-606-4976.

Sincerely,


Keith Havelka
Operations

STATE OF TEXAS §
COUNTY OF NUECES §

This instrument was acknowledged before me on the 27th day of March, A.D., 2012, by Keith Havelka.




Laura Ballew
Notary Public, State of Texas



Company: Devon Energy Production Co.
Lease/Well: Cotton Draw 10 Federal Com/001H
Location: 21 Miles SE Of Loving, New Mexico
Rig Name: H&P #214
State/County: New Mexico/Eddy
Latitude: 32.14
GRID North is 0.30 Degrees East of True North
VS-Azi: 0.00 Degrees



Depth Reference : RKB=25 Ft Elevation=3375.6 Ft

DRILLOG HA GYRO SURVEY CALCULATIONS

Filename: ...n draw 10 federal com1h_ed.ut

Minimum Curvature Method

Report Date/Time: 3/23/2012 / 16:14

Vaughn Energy Services

Midland, Texas

432-563-5444

Surveyor: Zach Garcia

Cotton Draw 10 Federal Com 001H / API# 30-015-39229

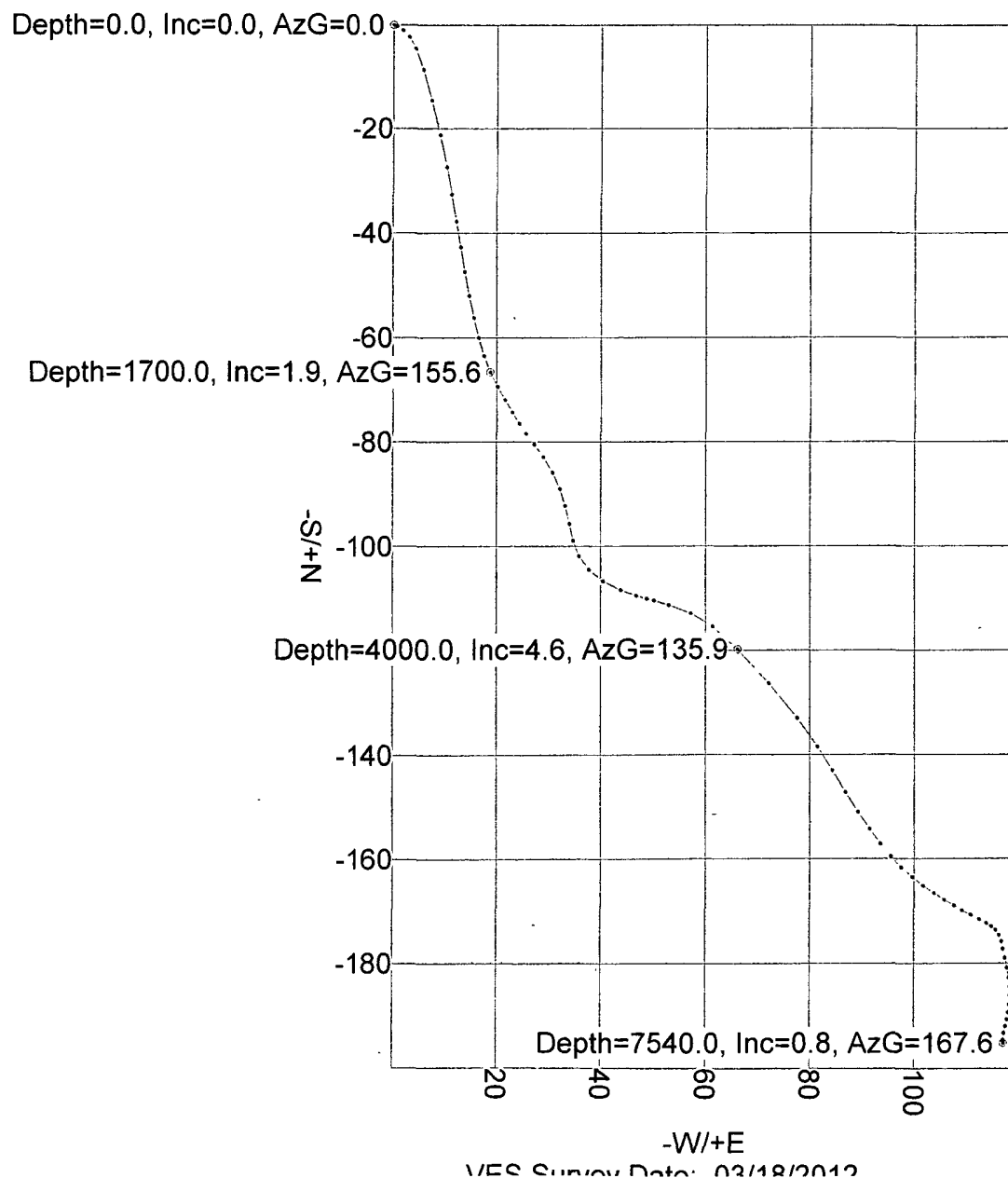
Measured Depth FT	Incl Angle Deg	Drift Direction Deg	TVD FT	+N/-S FT	+E/-W FT	Vertical Section FT	Closure Distance FT	Closure Direction Deg	Dogleg Severity Deg/100
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	****
100.00	0.73	117.08	100.00	-0.29	0.56	-0.29	0.63	117.08	0.73
200.00	0.90	127.43	199.99	-1.05	1.75	-1.05	2.04	121.02	0.22
300.00	1.14	142.82	299.97	-2.32	2.97	-2.32	3.77	127.97	0.36
400.00	1.88	156.56	399.94	-4.62	4.23	-4.62	6.26	137.54	0.82
500.00	3.00	162.54	499.84	-8.62	5.66	-8.62	10.32	146.69	1.14
600.00	4.00	166.03	599.66	-14.50	7.29	-14.50	16.23	153.31	1.02
700.00	3.90	167.27	699.42	-21.21	8.89	-21.21	23.00	157.27	0.13
800.00	3.24	168.56	799.22	-27.30	10.20	-27.30	29.14	159.52	0.67
900.00	2.95	169.59	899.08	-32.60	11.22	-32.60	34.48	161.01	0.29
1000.00	3.02	170.29	998.94	-37.73	12.13	-37.73	39.63	162.18	0.07
1100.00	2.72	171.12	1098.82	-42.67	12.94	-42.67	44.59	163.13	0.30
1200.00	2.74	170.10	1198.70	-47.37	13.72	-47.37	49.32	163.85	0.06
1300.00	2.56	168.65	1298.60	-51.92	14.57	-51.92	53.92	164.32	0.19
1400.00	2.37	166.99	1398.50	-56.12	15.48	-56.12	58.22	164.58	0.21
1500.00	2.17	164.94	1498.43	-59.96	16.43	-59.96	62.17	164.67	0.22
1600.00	1.98	161.81	1598.36	-63.43	17.46	-63.43	65.78	164.61	0.22
1700.00	1.91	155.55	1698.30	-66.59	18.69	-66.59	69.16	164.32	0.22
1800.00	1.63	150.97	1798.25	-69.35	20.07	-69.35	72.19	163.86	0.32

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	TVD FT	+N/-S FT	+E/-W FT	Vertical Section FT	Closure Distance FT	Closure Direction Deg	Dogleg Severity Deg/100
1900.00	1.71	149.94	1898.21	-71.88	21.51	-71.88	75.03	163.34	0.08
2000.00	1.52	147.67	1998.17	-74.29	22.96	-74.29	77.75	162.82	0.20
2100.00	1.36	146.24	2098.14	-76.39	24.33	-76.39	80.17	162.34	0.17
2200.00	1.38	143.16	2198.11	-78.34	25.71	-78.34	82.45	161.83	0.08
2300.00	1.56	141.75	2298.08	-80.38	27.28	-80.38	84.88	161.25	0.18
2400.00	1.84	145.69	2398.04	-82.77	29.02	-82.77	87.71	160.68	0.30
2500.00	2.11	153.09	2497.98	-85.74	30.76	-85.74	91.09	160.26	0.37
2600.00	1.86	159.67	2597.92	-88.91	32.16	-88.91	94.55	160.11	0.34
2700.00	2.04	164.67	2697.86	-92.15	33.20	-92.15	97.95	160.19	0.24
2800.00	1.99	169.06	2797.80	-95.57	34.00	-95.57	101.44	160.42	0.16
2900.00	1.82	166.09	2897.74	-98.82	34.71	-98.82	104.74	160.65	0.20
3000.00	1.81	152.09	2997.69	-101.77	35.83	-101.77	107.89	160.60	0.44
3100.00	1.94	137.91	3097.64	-104.42	37.71	-104.42	111.02	160.14	0.48
3200.00	2.13	120.30	3197.57	-106.62	40.45	-106.62	114.04	159.22	0.65
3300.00	2.18	112.65	3297.50	-108.29	43.81	-108.29	116.82	157.97	0.29
3400.00	1.45	106.80	3397.45	-109.39	46.78	-109.39	118.97	156.85	0.75
3500.00	0.91	104.03	3497.43	-109.95	48.77	-109.95	120.28	156.08	0.54
3600.00	0.76	105.28	3597.42	-110.32	50.18	-110.32	121.19	155.54	0.16
3700.00	2.57	107.73	3697.38	-111.17	52.95	-111.17	123.14	154.53	1.81
3800.00	2.61	113.77	3797.27	-112.77	57.17	-112.77	126.44	153.12	0.28
3900.00	2.98	127.74	3897.15	-115.28	61.31	-115.28	130.57	152.00	0.77
4000.00	4.56	135.91	3996.94	-119.73	66.13	-119.73	136.78	151.09	1.66
4100.00	5.55	139.22	4096.55	-126.25	72.06	-126.25	145.37	150.28	1.04
4200.00	4.35	142.44	4196.17	-132.92	77.53	-132.92	153.88	149.74	1.24
4300.00	3.35	147.17	4295.94	-138.38	81.43	-138.38	160.56	149.53	1.05
4400.00	2.80	149.05	4395.80	-142.93	84.27	-142.93	165.93	149.48	0.56
4500.00	2.79	148.74	4495.68	-147.11	86.79	-147.11	170.81	149.46	0.02
4600.00	2.35	146.49	4595.58	-150.90	89.19	-150.90	175.29	149.42	0.46
4700.00	2.21	145.22	4695.50	-154.19	91.42	-154.19	179.26	149.34	0.14
4800.00	1.86	143.90	4795.44	-157.09	93.47	-157.09	182.80	149.25	0.35
4900.00	1.75	138.27	4895.39	-159.54	95.44	-159.54	185.91	149.11	0.21
5000.00	1.63	133.77	4995.34	-161.66	97.48	-161.66	188.78	148.91	0.18
5100.00	1.60	129.15	5095.30	-163.52	99.59	-163.52	191.46	148.66	0.13
5200.00	1.47	125.20	5195.27	-165.15	101.73	-165.15	193.96	148.37	0.17
5300.00	1.37	123.68	5295.24	-166.55	103.77	-166.55	196.23	148.07	0.11
5400.00	1.35	122.90	5395.21	-167.85	105.75	-167.85	198.38	147.79	0.03
5500.00	1.12	119.95	5495.19	-168.98	107.59	-168.98	200.32	147.52	0.23
5600.00	1.05	118.03	5595.17	-169.90	109.25	-169.90	201.99	147.26	0.08
5700.00	1.06	117.61	5695.15	-170.76	110.88	-170.76	203.61	147.00	0.01

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	TVD FT	+N/-S FT	+E/-W FT	Vertical Section FT	Closure Distance FT	Closure Direction Deg	Dogleg Severity Deg/100
5800.00	0.99	118.51	5795.14	-171.60	112.46	-171.60	205.17	146.76	0.08
5900.00	0.75	120.84	5895.12	-172.35	113.79	-172.35	206.53	146.57	0.24
6000.00	0.57	124.45	5995.12	-172.97	114.76	-172.97	207.58	146.44	0.19
6100.00	0.65	137.27	6095.11	-173.67	115.56	-173.67	208.60	146.36	0.16
6200.00	0.71	152.40	6195.10	-174.64	116.23	-174.64	209.78	146.35	0.19
6300.00	0.79	167.01	6295.10	-175.85	116.67	-175.85	211.04	146.44	0.21
6400.00	0.86	169.08	6395.09	-177.26	116.97	-177.26	212.37	146.58	0.08
6500.00	1.12	167.18	6495.07	-178.94	117.33	-178.94	213.98	146.75	0.26
6600.00	1.12	168.19	6595.05	-180.85	117.74	-180.85	215.80	146.93	0.02
6700.00	1.08	170.50	6695.03	-182.74	118.10	-182.74	217.58	147.13	0.06
6800.00	0.89	176.70	6795.02	-184.44	118.30	-184.44	219.12	147.32	0.22
6900.00	0.98	184.54	6895.01	-186.07	118.28	-186.07	220.48	147.56	0.16
7000.00	0.95	185.29	6994.99	-187.75	118.13	-187.75	221.82	147.82	0.03
7100.00	0.83	186.69	7094.98	-189.29	117.97	-189.29	223.04	148.07	0.12
7200.00	0.70	191.94	7194.97	-190.61	117.76	-190.61	224.05	148.29	0.15
7300.00	0.85	195.24	7294.96	-191.92	117.44	-191.92	225.00	148.54	0.16
7400.00	0.72	188.66	7394.95	-193.26	117.15	-193.26	225.99	148.78	0.16
7500.00	0.84	185.67	7494.94	-194.61	116.98	-194.61	227.06	148.99	0.12
7540.00	0.81	167.57	7534.94	-195.18	117.01	-195.18	227.57	149.06	0.65



Vaughn Energy Services
Midland, Texas
432-563-5444
Surveyor: Zach Garcia
Cotton Draw 10 Federal Com 001H / API# 30-015-39229





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: March 29, 2012

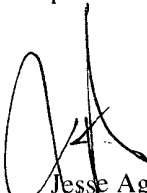
Attention: Mark Cooper

Re: Devon Energy
Well: Cotton Draw Unit 10 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:

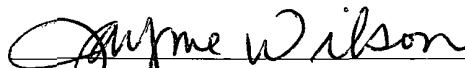
Name & Title Of Surveyor	Well Number	Surveyed Depths	Dates Performed	Type of Survey
Michael Lockhart	1H	7563' MD	3/18/2012	Measurement
MWD Supervisor		12697' MD	3/27/2012	While Drilling

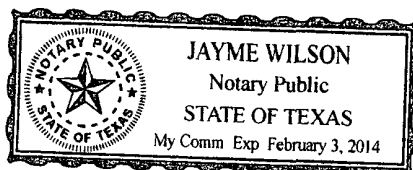
A notarized plan vs. actual is attached to the survey report. If any other information is required, please contact the undersigned at the letterhead address and phone number.


Jesse Aguilar
Area Manager

On this, the 29th day of March, 2012, before me a notary public, the undersigned officer, personally appeared Jesse Aguilar, 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.

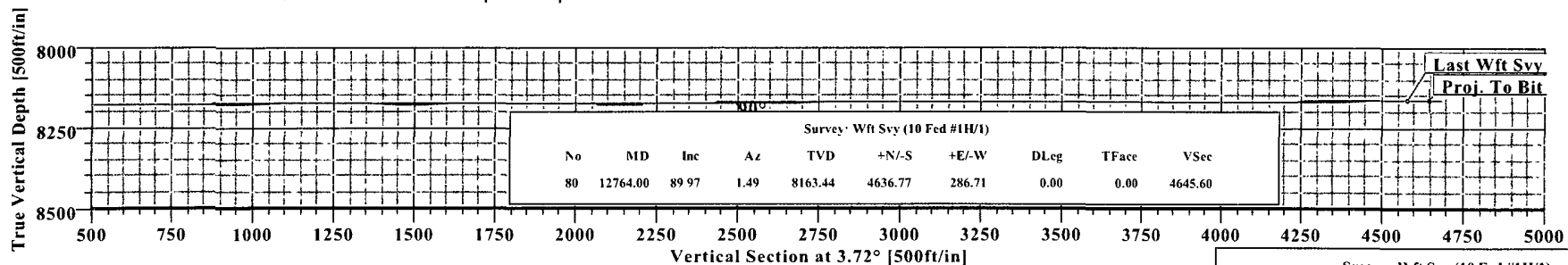
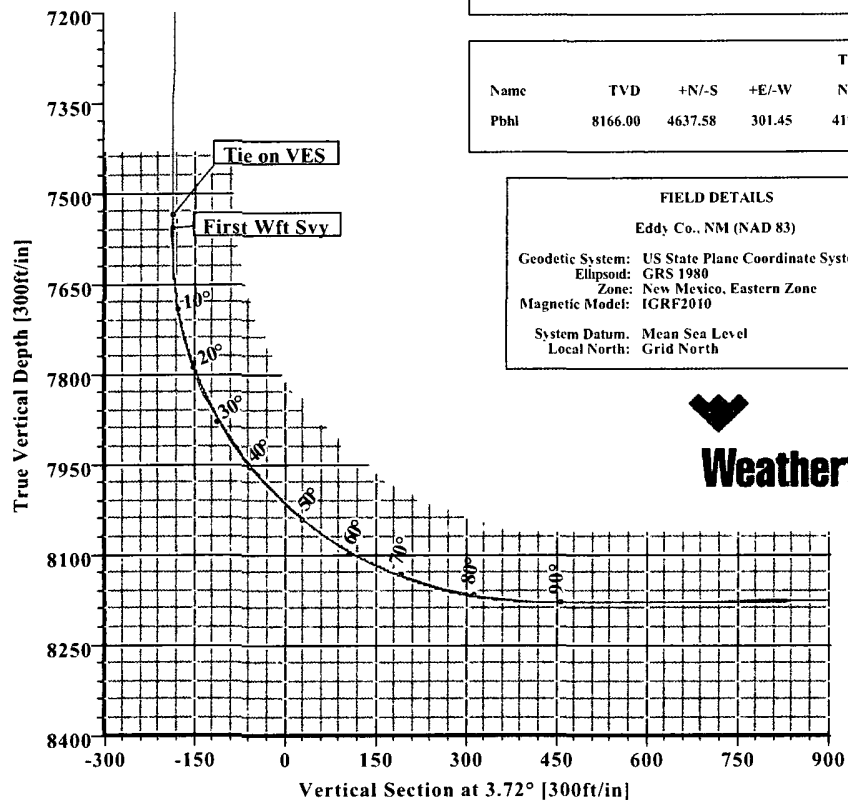

Notary Public





Cotton Draw Unit 10 Fed #1H
Eddy Co., New Mexico

KB ELEV: 3402
GL ELEV: 3376



SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	7540.00	0.81	167.57	7534.94	-195.15	116.98	0.00	0.00	-187.15	
2	7575.00	0.81	167.57	7569.94	-195.63	117.09	0.00	0.00	-187.62	
3	8528.88	90.18	2.16	8179.00	406.50	141.96	9.54	-165.41	414.85	
4	12762.98	90.18	2.16	8166.00	4637.58	301.45	0.00	0.00	4647.37	Pbhl

WELL DETAILS

Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
10 Fed #1H	0.00	0.00	414629.54	717349.41	32°08'19.017N	103°45'52.858W	N/A

TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
Pbhl	8166.00	4637.58	301.45	419267.12	717650.86	32°09'04.893N	103°45'49.066W	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

Cotton Draw Unit 10 Fed #1H

Site Centre Northing: 414629.54
Easting: 717349.41

Ground Level: 3376.00
Positional Uncertainty: 0.00
Convergence: 0.30



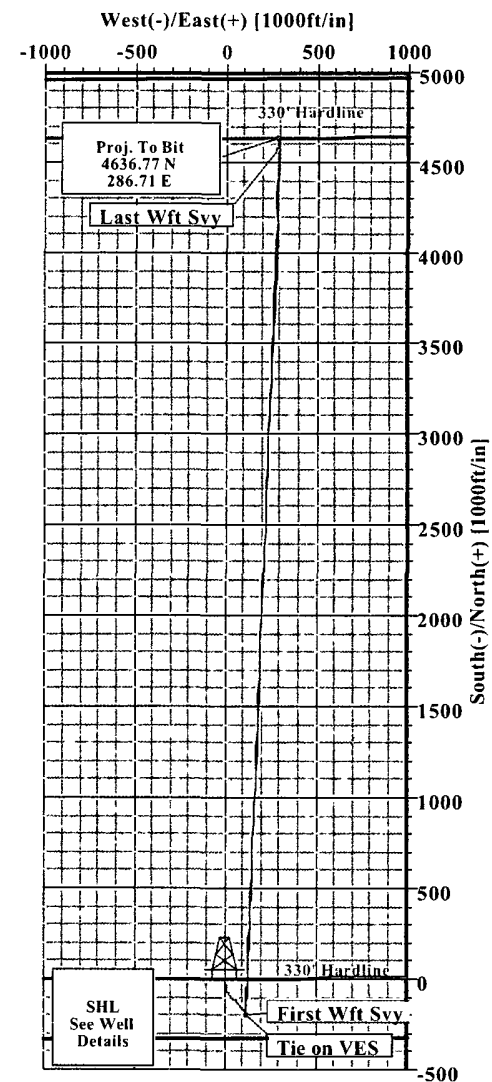
Azimuths to Grid North
True North: -0.30°
Magnetic North: 7.16°

Magnetic Field
Strength: 48402nT
Dip Angle: 60.03°
Date: 2/15/2013
Model: IGRF2010

Total Correction to Grid North: 7.16°

LEGEND

- 10 Fed #1H, I, Gyro Svy
- 10 Fed #1H, I, Plan #5
- 1
- Wft Svy



Last Wft Svy
Proj. To Bit

Survey: Wft Svy (10 Fed #1H/I)

Created By: Russell W. Joyner

Date: 3/27/2012



Weatherford International Ltd.

WFT Survey Report X & Y's

**Weatherford**

Company: Devon Energy	Date: 3/27/2012	Time: 06:51:49	Page: 1
Field: Eddy Co , NM (NAD 83)	Co-ordinate(NE) Reference: Well. 10 Fed #1H, Grid North		
Site: Cotton Draw Unit 10 Fed #1H	Vertical (TVD) Reference: SITE 3402 0		
Well: 10 Fed #1H	Section (VS) Reference: Well (0.00N,0.00E,3 72Az)		
Wellpath: 1	Survey Calculation Method: Minimum Curvature	Db: Sybase	

Survey: Wft Svy	Start Date: 3/20/2012
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: Cotton Draw Unit 10 Fed #1H

Site Position:	Northing: 414629.54 ft	Latitude: 32 8 19.017 N
From: Map	Easting: 717349.41 ft	Longitude: 103 45 52 858 W
Position Uncertainty: 0.00 ft		North Reference: Grd
Ground Level: 3376 00 ft		Grid Convergence: 0 30 deg

Well: 10 Fed #1H	Slot Name:
Well Position: +N/-S 0 00 ft	Northing: 414629.54 ft
+E/-W 0 00 ft	Easting: 717349 41 ft
Position Uncertainty: 0.00 ft	Latitude: 32 8 19.017 N
	Longitude: 103 45 52 858 W

Wellpath: 1	Drilled From: Surface
Current Datum: SITE	Tie-on Depth: 0.00 ft
Magnetic Data: 2/15/2013	Above System Datum: Mean Sea Level
Field Strength: 48402 nT	Declination: 7 46 deg
Vertical Section: Depth From (TVD)	Mag Dip Angle: 60 03 deg
ft	+N/-S
ft	+E/-W
ft	Direction
ft	deg
0 00	0.00
0 00	3.72

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
7540.00	0 81	167.57	7534.94	-195 18	117.01	0 00	-187 18	414434 36	717466.42	Tie on VES First Wft Svy
7563.00	0 58	155.42	7557 94	-195.44	117 09	1 18	-187 44	414434 10	717466 50	
7594.00	1 06	18 56	7588 94	-195.32	117.25	4 95	-187 30	414434 22	717466 66	
7625.00	3 30	7 91	7619 91	-194 16	117.46	7 31	-186.13	414435 38	717466 87	
7656 00	5 83	6 61	7650.81	-191.71	117 77	8 17	-183 67	414437 83	717467 18	
7688.00	8 94	4 84	7682 54	-187.62	118.17	9 74	-179 56	414441 92	717467 58	
7719 00	12 04	4.16	7713 02	-181 99	118 60	10 01	-173 91	414447 55	717468 01	
7750.00	14 77	4 15	7743.17	-174 83	119.12	8.81	-166 73	414454 71	717468 53	
7781.00	18 13	4 42	7772.90	-166 07	119.78	10.84	-157.95	414463.47	717469.19	
7813.00	21 75	5.24	7802 98	-155 20	120 71	11 35	-147 04	414474.34	717470.12	
7844 00	24 75	5 63	7831 46	-143.02	121 87	9 69	-134 81	414486 52	717471 28	
7875.00	27 66	5 08	7859.27	-129 39	123 14	9 42	-121 13	414500 15	717472.55	
7907.00	30 96	4 24	7887.17	-113 78	124 41	10 39	-105 47	414515 76	717473 82	
7938 00	34.25	2.86	7913.28	-97.11	125 43	10 88	-88 77	414532 43	717474 84	
7969 00	37.59	1 68	7938 38	-78.94	126 15	11 00	-70.59	414550 60	717475 56	
8000.00	40.89	1 44	7962 39	-59 34	126.68	10 66	-51.00	414570 20	717476 09	
8032.00	44.05	1.91	7985.99	-37.75	127 31	9 92	-29.41	414591 79	717476 72	
8063 00	46 36	2 42	8007 83	-15.77	128.15	7 54	-7.42	414613 77	717477.56	
8094 00	48 92	2.73	8028 71	7.11	129 18	8 29	15 48	414636 65	717478 59	
8126 00	50 66	2 29	8049.37	31.53	130 25	5 54	39 91	414661 07	717479 66	
8157 00	53 87	2 54	8068.34	56 02	131 28	10 37	64.42	414685 56	717480 69	
8188.00	57.02	3 03	8085.92	81.52	132 52	10 24	89.94	414711 06	717481 93	
8220.00	61 30	2.96	8102.32	108.95	133 96	13 38	117.41	414738.49	717483 37	
8251 00	66.04	2 71	8116.07	136 69	135 33	15.31	145 18	414766 23	717484.74	



Weatherford International Ltd.

WFT Survey Report X & Y's

**Weatherford**

Company: Devon Energy
Field: Eddy Co., NM (NAD 83)
Site: Cotton Draw Unit 10 Fed #1H
Well: 10 Fed #1H
Wellpath: 1

Date: 3/27/2012 Time: 06:51.49 Page: 2
Co-ordinate(NE) Reference: Well: 10 Fed #1H, Grid North
Vertical (TVD) Reference: SITE 3402.0
Section (VS) Reference: Well (0 00N, 0 00E, 3.72Azi)
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
8283.00	69.19	1.61	8128.25	166.25	136.44	10.34	174.76	414795.79	717485.85	
8314.00	70.63	0.80	8138.90	195.36	137.05	5.25	203.84	414824.90	717486.46	
8345.00	72.56	1.50	8148.69	224.77	137.64	6.58	233.22	414854.31	717487.05	
8376.00	75.52	2.53	8157.21	254.55	138.69	10.07	263.01	414884.09	717488.10	
8408.00	79.06	3.02	8164.25	285.72	140.21	11.16	294.22	414915.26	717489.62	
8439.00	80.61	2.75	8169.72	316.20	141.74	5.07	324.73	414945.74	717491.15	
8470.00	82.39	2.26	8174.31	346.83	143.08	5.95	355.38	414976.37	717492.49	
8502.00	84.98	1.91	8177.83	378.61	144.24	8.17	387.17	415008.15	717493.65	
8533.00	86.68	1.57	8180.08	409.51	145.18	5.59	418.07	415039.05	717494.59	
8576.00	90.25	1.86	8181.23	452.47	146.46	8.33	461.02	415082.01	717495.87	
8618.00	92.76	1.11	8180.13	494.44	147.55	6.24	502.97	415123.98	717496.96	
8711.00	89.55	1.53	8178.25	587.38	149.69	3.48	595.85	415216.92	717499.10	
8805.00	88.99	2.01	8179.45	681.33	152.60	0.78	689.79	415310.87	717502.01	
8899.00	91.15	2.32	8179.34	775.25	156.15	2.32	783.75	415404.79	717505.56	
8993.00	91.72	2.76	8176.98	869.13	160.31	0.77	877.70	415498.67	717509.72	
9087.00	90.52	2.38	8175.15	963.02	164.52	1.34	971.66	415592.56	717513.93	
9181.00	91.58	3.71	8173.42	1056.87	169.52	1.81	1065.64	415686.41	717518.93	
9275.00	88.77	2.45	8173.14	1150.72	174.57	3.28	1159.62	415780.26	717523.98	
9369.00	89.13	2.29	8174.86	1244.62	178.45	0.42	1253.58	415874.16	717527.86	
9463.00	88.84	2.34	8176.52	1338.53	182.25	0.31	1347.53	415968.07	717531.66	
9557.00	88.92	2.54	8178.36	1432.43	186.25	0.23	1441.49	416061.97	717535.66	
9651.00	91.30	2.21	8178.18	1526.34	190.15	2.56	1535.46	416155.88	717539.56	
9745.00	91.36	1.31	8176.00	1620.27	193.03	0.96	1629.38	416249.81	717542.44	
9839.00	91.30	1.07	8173.82	1714.22	194.98	0.26	1723.26	416343.76	717544.39	
9933.00	89.34	0.39	8173.29	1808.21	196.18	2.21	1817.13	416437.75	717545.59	
10027.00	88.99	1.17	8174.66	1902.19	197.46	0.91	1910.99	416531.73	717546.87	
10121.00	88.99	0.86	8176.32	1996.16	199.13	0.33	2004.87	416625.70	717548.54	
10215.00	89.83	2.35	8177.29	2090.11	201.76	1.82	2098.80	416719.65	717551.17	
10308.00	90.32	2.47	8177.16	2183.03	205.67	0.54	2191.78	416812.57	717555.08	
10403.00	91.43	3.89	8175.71	2277.87	210.94	1.90	2286.76	416907.41	717560.35	
10497.00	91.50	3.35	8173.31	2371.65	216.87	0.58	2380.73	417001.19	717566.28	
10591.00	91.99	2.59	8170.45	2465.48	221.74	0.96	2474.67	417095.02	717571.15	
10685.00	91.01	1.59	8167.99	2559.38	225.17	1.49	2568.60	417188.92	717574.58	
10779.00	89.75	0.99	8167.36	2653.36	227.28	1.48	2662.51	417282.90	717576.69	
10873.00	90.10	1.27	8167.49	2747.34	229.14	0.48	2756.42	417376.88	717578.55	
10967.00	90.24	1.43	8167.21	2841.31	231.35	0.23	2850.33	417470.85	717580.76	
11061.00	89.55	2.19	8167.38	2935.26	234.32	1.09	2944.28	417564.80	717583.73	
11155.00	90.10	2.49	8167.67	3029.18	238.16	0.67	3038.25	417658.72	717587.57	
11249.00	90.32	2.01	8167.32	3123.11	241.85	0.56	3132.22	417752.65	717591.26	
11343.00	89.20	2.88	8167.72	3217.02	245.86	1.51	3226.19	417846.56	717595.27	
11437.00	89.41	3.08	8168.86	3310.89	250.74	0.31	3320.18	417940.43	717600.15	
11531.00	89.62	3.38	8169.65	3404.73	256.04	0.39	3414.17	418034.27	717605.45	
11625.00	89.61	3.76	8170.28	3498.55	261.89	0.40	3508.17	418128.09	717611.30	
11719.00	89.55	3.61	8170.97	3592.35	267.93	0.17	3602.17	418221.89	717617.34	
11813.00	89.76	3.96	8171.54	3686.15	274.14	0.43	3696.17	418315.69	717623.55	
11908.00	90.66	3.04	8171.19	3780.97	279.94	1.35	3791.16	418410.51	717629.35	
12002.00	90.88	0.17	8169.93	3874.91	282.57	3.06	3885.08	418504.45	717631.98	
12096.00	90.38	359.73	8168.89	3968.90	282.49	0.71	3978.87	418598.44	717631.90	
12191.00	89.97	359.66	8168.60	4063.90	281.98	0.44	4073.63	418693.44	717631.39	
12285.00	90.73	359.67	8168.03	4157.90	281.43	0.81	4167.40	418787.44	717630.84	
12378.00	91.01	359.55	8166.62	4250.89	280.80	0.33	4260.15	418880.43	717630.21	
12472.00	91.29	359.79	8164.73	4344.86	280.26	0.39	4353.89	418974.40	717629.67	



Weatherford International Ltd.

WFT Survey Report X & Y's

**Weatherford**

Company: Devon Energy
Field: Eddy Co , NM (NAD 83)
Site: Cotton Draw Unit 10 Fed #1H
Well: 10 Fed #1H
Wellpath: 1

Date: 3/27/2012
Co-ordinate(NE) Reference: Well: 10 Fed #1H, Grid North
Vertical (TVD) Reference: SITE 3402 0
Section (VS) Reference: Well (0 00N,0.00E,3.72Azi)
Survey Calculation Method: Minimum Curvature
Db: Sybase

Page: 3**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
12566.00	90 24	1.55	8163 48	4438 84	281.36	2 18	4447.75	419068.38	717630 77	
12660 00	89 90	1.62	8163.36	4532 81	283.96	0 37	4541.68	419162 35	717633 37	
12697 00	89 97	1 49	8163.40	4569 79	284.96	0 40	4578 65	419199 33	717634 37	Last Wft Svy
12764 00	89.97	1.49	8163 44	4636 77	286.71	0.00	4645 60	419266.31	717636 12	Proj To Bit

Annotation

MD ft	TVD ft	
7540.00	7534.94	Tie on VES
7563 00	7557.94	First Wft Svy
12697 00	8163 40	Last Wft Svy
12764.00	8163.44	Proj. To Bit