



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

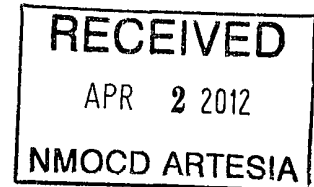
Devon Energy
20 North Broadway
Oklahoma City, OK, 73102

Date: September 20, 2011

Attention: Johnathan Ashcraft

30-015-38535

Re: Devon Energy
Well: Cotton Draw Unit 153H
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
Patrick Rudolph MWD Supervisor	153H	7564' MD 12159' MD	8/26/2011 9/18/2011	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.

Jesse Aguilar
Area Manager

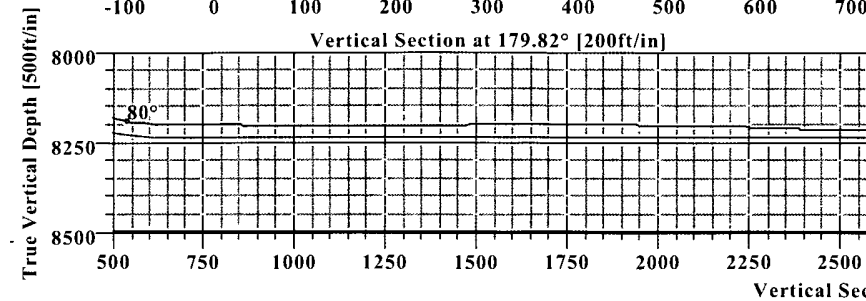
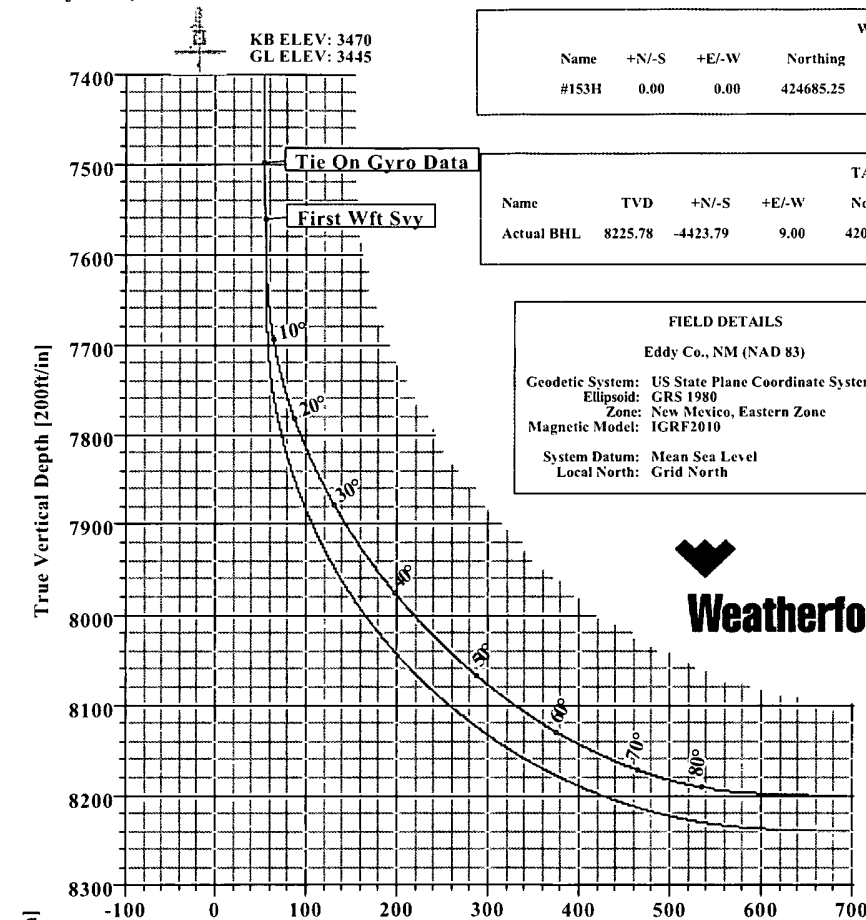
On this, the 22nd day of September, 20 11, before me a notary public, the undersigned officer, personally appeared Jesse Aguilar, known to me (or satisfactorily proven) to be the person whose name is subscribed to the within instrument, and acknowledged that he executed the same for the purposes therein contained.

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

Notary Public



Cotton Draw #153H
Eddy Co., New Mexico



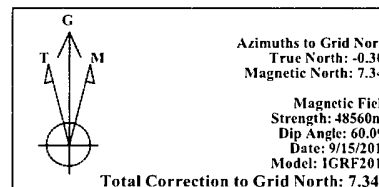
SECTION DETAILS										
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	11590.00	90.03	180.26	8220.86	-3699.86	8.51	0.00	0.00	3699.87	
2	11619.53	89.39	179.65	8221.01	-3729.39	8.53	3.00	-136.46	3729.40	
3	12648.55	89.39	179.65	8232.00	-4758.33	14.82	0.00	0.00	4758.35	Pbhl

WELL DETAILS						
Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
#153H	0.00	0.00	424685.25	717634.83	32°09'58.510N	103°45'48.919W

TARGET DETAILS							
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
Actual BHL	8225.78	-4423.79	9.00	420261.46	717643.83	32°09'14.733N	103°45'49.087W

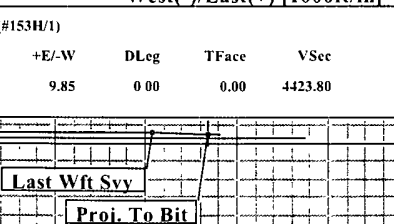
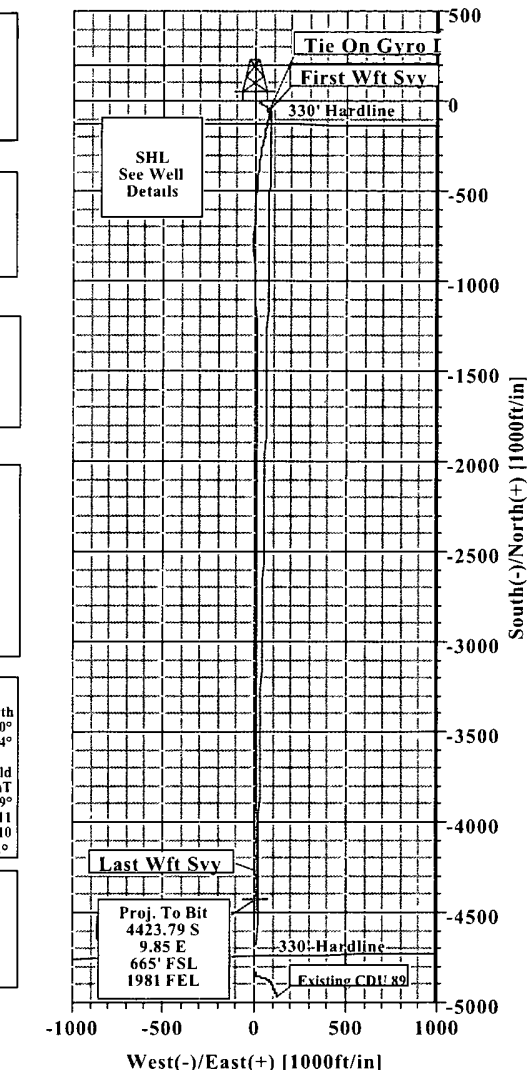
FIELD DETAILS	
Eddy Co., NM (NAD 83)	
Geodetic System:	US State Plane Coordinate System 1983
Ellipsoid:	GRS 1980
Zone:	New Mexico, Eastern Zone
Magnetic Model:	IGRF2010
System Datum:	Mean Sea Level
Local North:	Grid North

SITE DETAILS	
Cotton Draw Unit #153H	
Site Centre Northing:	424685.25
Easting:	717634.83
Ground Level:	3445.00
Positional Uncertainty:	0.00
Convergence:	0.30



LEGEND	
	#153H, 1, Gyro
	#153H, 1, Plan #3
	Existing CDU 89 (1)
	Wft Svy

Survey: Wft Svy (#153H/1)									
No	MD	Inc	Az	TVD	+N/-S	+E/-W	DLeg	TFace	VSec
72	12314.00	89.20	179.87	8225.77	-4423.79	9.85	0.00	0.00	4423.80





Weatherford International Ltd.

WFT Survey Report X & Y's

**Weatherford**

Company: Devon Energy		Date: 9/19/2011	Time: 07:12:28	Page: 1
Field: Eddy Co., NM (NAD 83)		Co-ordinate(NE) Reference: Well: #153H, Grid North		
Site: Cotton Draw Unit #153H		Vertical (TVD) Reference: SITE 3470.0		
Well: #153H		Section (VS) Reference: Well (0.00N,0.00E,179.82Azi)		
Wellpath: 1		Survey Calculation Method: Minimum Curvature	Db: Sybase	

Survey: Wft Svy	Start Date: 9/6/2011
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 #153H	
Site Position:	Northing: 424685.25 ft
From: Map	Easting: 717634.83 ft
Position Uncertainty: 0.00 ft	Latitude: 32 9 58.510 N
Ground Level: 3445.00 ft	Longitude: 103 45 48.919 W
	North Reference: Grid
	Grid Convergence: 0.30 deg

Well: #153H		Slot Name:	
Well Position:	+N/-S 0.00 ft	Northing: 424685.25 ft	Latitude: 32 9 58.510 N
	+E/-W 0.00 ft	Easting: 717634.83 ft	Longitude: 103 45 48.919 W
Position Uncertainty:	0.00 ft		

Wellpath: 1		Drilled From: Surface	
Current Datum: SITE	Height 3470.00 ft	Tie-on Depth:	0.00 ft
Magnetic Data: 9/15/2011		Above System Datum:	Mean Sea Level
Field Strength: 48560 nT		Declination:	7.64 deg
Vertical Section: Depth From (TVD)	+N/-S	Mag Dip Angle:	60.09 deg
ft	ft	+E/-W	Direction
		ft	deg
0.00	0.00	0.00	179.82

Survey										
MD	Incl	Azim	TVD	N/S	E/W	DLS	VS	MapN	MapE	Comment
ft	deg	deg	ft	ft	ft	deg/100ft	ft	ft	ft	
7500.00	0.96	140.96	7498.46	-54.40	77.07	0.00	54.64	424630.85	717711.90	Tie On Gyro Data
7564.00	0.87	152.66	7562.45	-55.25	77.63	0.32	55.49	424630.00	717712.46	First Wft Svy
7596.00	0.93	150.74	7594.44	-55.69	77.87	0.21	55.93	424629.56	717712.70	
7628.00	2.84	187.36	7626.43	-56.70	77.89	6.77	56.95	424628.55	717712.72	
7660.00	5.86	191.57	7658.33	-59.09	77.47	9.48	59.33	424626.16	717712.30	
7691.00	9.42	193.04	7689.05	-63.11	76.58	11.50	63.35	424622.14	717711.41	
7723.00	12.95	193.82	7720.44	-69.15	75.13	11.04	69.38	424616.10	717709.96	
7755.00	16.49	193.34	7751.38	-77.05	73.22	11.07	77.28	424608.20	717708.05	
7786.00	19.83	191.90	7780.83	-86.48	71.12	10.87	86.70	424598.77	717705.95	
7818.00	23.09	190.52	7810.61	-97.96	68.86	10.31	98.18	424587.29	717703.69	
7850.00	26.30	190.24	7839.68	-111.11	66.45	10.04	111.32	424574.14	717701.28	
7881.00	29.04	191.69	7867.13	-125.24	63.70	9.10	125.44	424560.01	717698.53	
7913.00	31.40	192.45	7894.78	-140.99	60.33	7.47	141.18	424544.26	717695.16	
7945.00	33.96	192.74	7921.71	-157.85	56.56	8.01	158.03	424527.40	717691.39	
7977.00	36.63	192.74	7947.83	-175.88	52.49	8.34	176.05	424509.37	717687.32	
8009.00	39.74	192.50	7972.98	-195.19	48.17	9.73	195.33	424490.06	717683.00	
8041.00	41.98	192.16	7997.18	-215.64	43.70	7.03	215.77	424469.61	717678.53	
8073.00	44.47	191.40	8020.50	-237.09	39.23	7.95	237.21	424448.16	717674.06	
8104.00	46.47	189.79	8042.24	-258.81	35.17	7.44	258.92	424426.44	717670.00	
8136.00	49.25	188.56	8063.70	-282.23	31.39	9.14	282.33	424403.02	717666.22	
8168.00	52.53	187.24	8083.89	-306.82	27.99	10.74	306.91	424378.43	717662.82	
8200.00	55.28	186.85	8102.74	-332.48	24.82	8.65	332.56	424352.77	717659.65	
8232.00	57.95	186.98	8120.35	-359.01	21.60	8.35	359.07	424326.24	717656.43	
8264.00	61.53	186.30	8136.47	-386.46	18.41	11.34	386.51	424298.79	717653.24	



Weatherford International Ltd.

WFT Survey Report X & Y's

**Weatherford**

Company: Devon Energy
Field: Eddy Co , NM (NAD 83)
Site: Cotton Draw Unit #153H
Well: #153H
Wellpath: 1

Date: 9/19/2011 Time: 07:12.28 Page: 2
Co-ordinate(NE) Reference: Well: #153H, Gnd North
Vertical (TVD) Reference: SITE 3470.0
Section (VS) Reference: Well (0.00N,0.00E,179.82Azi)
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
8296.00	64.68	186.22	8150.94	-414.82	15.30	9.85	414.87	424270.43	717650.13	
8328.00	67.28	186.19	8163.97	-443.88	12.14	8.13	443.91	424241.37	717646.97	
8360.00	71.01	185.56	8175.36	-473.62	9.08	11.80	473.64	424211.63	717643.91	
8392.00	75.41	184.77	8184.60	-504.12	6.33	13.95	504.14	424181.13	717641.16	
8424.00	79.84	184.28	8191.45	-535.27	3.86	13.92	535.28	424149.98	717638.69	
8437.00	81.61	184.26	8193.55	-548.07	2.91	13.62	548.07	424137.18	717637.74	
8473.00	86.40	183.58	8197.31	-583.78	0.46	13.44	583.77	424101.47	717635.29	
8505.00	87.87	182.90	8198.91	-615.68	-1.35	5.06	615.68	424069.57	717633.48	
8569.00	89.27	183.02	8200.50	-679.58	-4.65	2.20	679.56	424005.67	717630.18	
8632.00	89.48	181.36	8201.19	-742.52	-7.06	2.66	742.50	423942.73	717627.77	
8728.00	88.71	178.99	8202.71	-838.50	-7.35	2.60	838.48	423846.75	717627.48	
8824.00	89.83	177.67	8203.93	-934.45	-4.55	1.80	934.43	423750.80	717630.28	
8919.00	89.13	176.47	8204.79	-1029.32	0.30	1.46	1029.32	423655.93	717635.13	
9015.00	89.69	178.86	8205.78	-1125.23	4.21	2.56	1125.24	423560.02	717639.04	
9110.00	90.25	179.32	8205.83	-1220.22	5.72	0.76	1220.23	423465.03	717640.55	
9206.00	90.73	180.25	8205.01	-1316.21	6.08	1.09	1316.22	423369.04	717640.91	
9301.00	90.80	180.02	8203.74	-1411.20	5.86	0.25	1411.21	423274.05	717640.69	
9397.00	90.03	179.97	8203.05	-1507.20	5.87	0.80	1507.21	423178.05	717640.70	
9492.00	90.73	180.11	8202.42	-1602.20	5.80	0.75	1602.21	423083.05	717640.63	
9588.00	90.31	179.52	8201.55	-1698.19	6.11	0.75	1698.20	422987.06	717640.94	
9684.00	89.27	179.96	8201.90	-1794.19	6.55	1.18	1794.20	422891.06	717641.38	
9779.00	89.76	180.31	8202.70	-1889.18	6.32	0.63	1889.20	422796.07	717641.15	
9875.00	89.20	179.77	8203.57	-1985.18	6.25	0.81	1985.19	422700.07	717641.08	
9970.00	89.34	179.66	8204.78	-2080.17	6.73	0.19	2080.18	422605.08	717641.56	
10065.00	88.78	179.68	8206.34	-2175.16	7.27	0.59	2175.17	422510.09	717642.10	
10160.00	87.94	179.46	8209.06	-2270.11	7.99	0.91	2270.13	422415.14	717642.82	
10256.00	87.80	179.37	8212.63	-2366.04	8.97	0.17	2366.06	422319.21	717643.80	
10352.00	88.85	179.21	8215.44	-2461.99	10.16	1.11	2462.01	422223.26	717644.99	
10447.00	89.27	179.45	8216.99	-2556.97	11.27	0.51	2557.00	422128.28	717646.10	
10543.00	89.34	179.92	8218.16	-2652.96	11.79	0.49	2652.99	422032.29	717646.62	
10638.00	88.92	179.67	8219.60	-2747.95	12.13	0.51	2747.98	421937.30	717646.96	
10734.00	89.83	180.62	8220.65	-2843.94	11.89	1.37	2843.97	421841.31	717646.72	
10829.00	91.01	181.39	8219.95	-2938.92	10.22	1.48	2938.94	421746.33	717645.05	
10925.00	89.97	180.80	8219.13	-3034.90	8.39	1.25	3034.91	421650.35	717643.22	
11020.00	89.97	180.25	8219.18	-3129.90	7.52	0.58	3129.91	421555.35	717642.35	
11115.00	90.66	180.53	8218.66	-3224.89	6.87	0.78	3224.90	421460.36	717641.70	
11210.00	90.17	180.50	8217.97	-3319.89	6.02	0.52	3319.89	421365.36	717640.85	
11305.00	89.20	179.23	8218.49	-3414.88	6.24	1.68	3414.89	421270.37	717641.07	
11400.00	89.48	179.44	8219.59	-3509.87	7.35	0.37	3509.88	421175.38	717642.18	
11495.00	89.48	179.45	8220.45	-3604.86	8.27	0.01	3604.87	421080.39	717643.10	
11590.00	90.03	180.26	8220.86	-3699.86	8.51	1.03	3699.87	420985.39	717643.34	
11685.00	90.31	179.48	8220.57	-3794.86	8.72	0.87	3794.87	420890.39	717643.55	
11779.00	88.99	178.94	8221.15	-3888.84	10.02	1.52	3888.86	420796.41	717644.85	
11874.00	89.90	180.12	8222.07	-3983.83	10.80	1.57	3983.85	420701.42	717645.63	
11969.00	90.46	180.98	8221.77	-4078.83	9.89	1.08	4078.84	420606.42	717644.72	
12064.00	89.06	179.81	8222.17	-4173.82	9.23	1.92	4173.83	420511.43	717644.06	
12159.00	89.20	179.87	8223.61	-4268.81	9.50	0.16	4268.82	420416.44	717644.33	Last Wft Svy
12314.00	89.20	179.87	8225.77	-4423.79	9.85	0.00	4423.80	420261.46	717644.68	Proj To Bit



Weatherford International Ltd.

WFT Survey Report X & Y's



Weatherford

Company: Devon Energy
Field: Eddy Co., NM (NAD 83)
Site: Cotton Draw Unit #153H
Well: #153H
Wellpath: 1

Date: 9/19/2011 **Time:** 07.12.28 **Page:** 3
Co-ordinate(NE) Reference: Well: #153H, Grid North
Vertical (TVD) Reference: SITE 3470.0
Section (VS) Reference: Well (0.00N,0.00E,179.82Azi)
Survey Calculation Method: Minimum Curvature **Db:** Sybase

Annotation

MD ft	TVD ft	
7500.00	7498.46	Tie On Gyro Data
7564.00	7562.45	First Wft Svy
12159.00	8223.61	Last Wft Svy
12314.00	8225.77	Proj To Bit