



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: July 11, 2011

30-015-38610

Attention: Johnathan Ashcraft

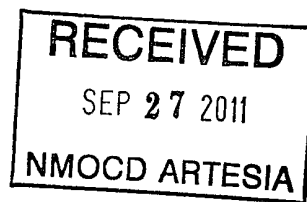
Re: Devon Energy
Well: Cotton Draw Unit #151H
Eddy County, New Mexico

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:

<u>Name & Title Of Surveyor</u>	<u>Well Number</u>	<u>Surveyed Depths</u>	<u>Dates Performed</u>	<u>Type of Survey</u>
Gustavo Rodriquez MWD Supervisor	151H	7675' MD 12683' MD	6/22/2011 7/10/2011	Measurement While Drilling

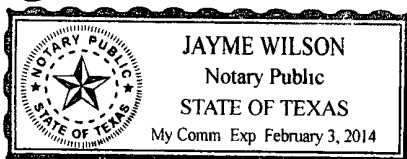
A notarized plan vs. actual is attached to the survey report. If any other information is required, please contact the undersigned at the letterhead address and phone number.

Jesse Aguilar
MWD Ops. Coordinator



On this, the 12th day of July, 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 Unit #151H
Eddy Co., NM



SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	7600.00	1.18	160.57	7598.42	-93.49	4.02	0.00	0.00	93.50	
2	7690.00	1.18	160.57	7688.40	-95.24	4.64	0.00	0.00	95.25	
3	8577.66	89.88	180.01	8250.22	-666.88	8.41	10.00	19.44	666.89	
4	12727.01	89.88	180.01	8259.00	-4816.22	7.84	0.00	0.00	4816.23	Pbhl

WELL DETAILS

Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
Cotton Draw Unit #151H	0.00	0.00	429899.75	720264.78	32°10'49.972N	103°45'17.997W	N/A

TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
Proj to Bit	8249.83	-4837.11	55.88	425062.64	720320.66	32°10'02.102N	103°45'17.649W	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 #151H

Site Centre Northing: 429899.75
Easting: 720264.78

Ground Level: 3501.00
Positional Uncertainty: 0.00
Convergence: 0.31

LEGEND

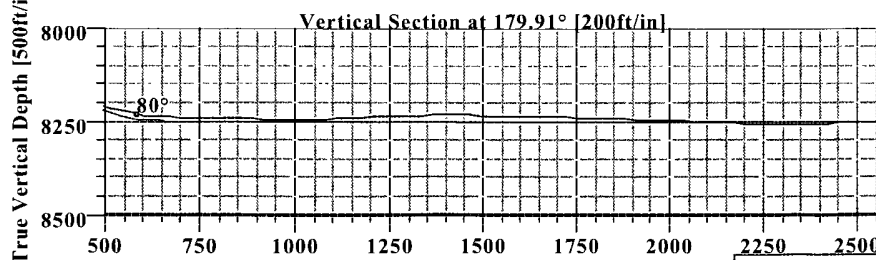
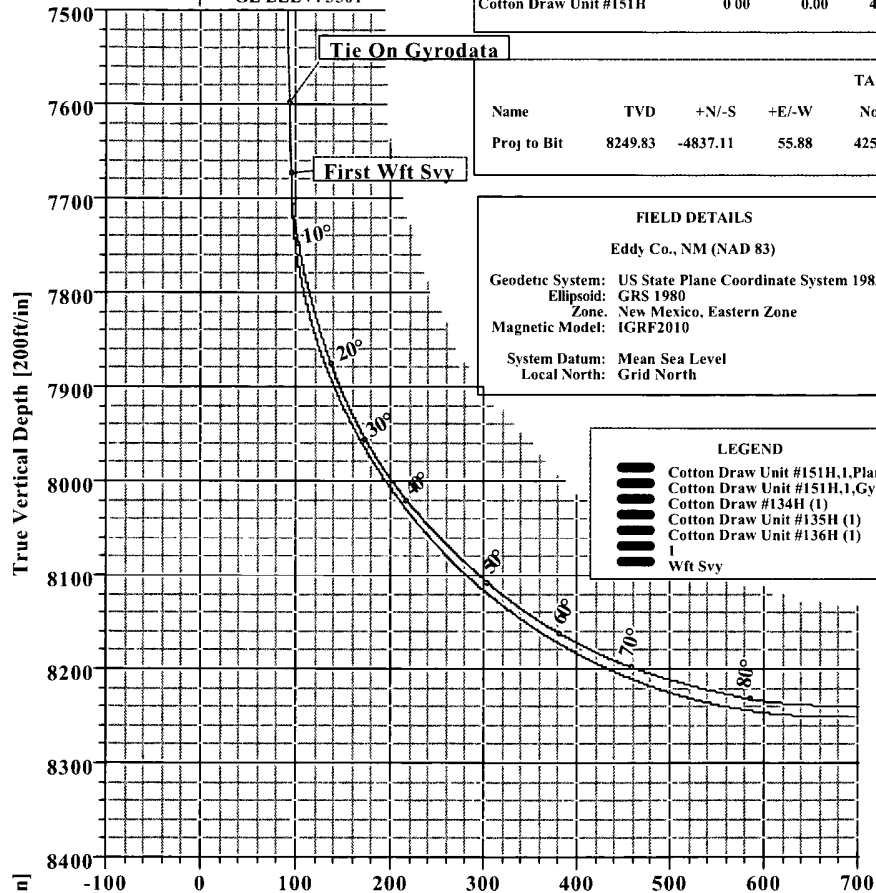
- Cotton Draw Unit #151H, 1, Plan #3
- Cotton Draw Unit #151H, 1, Gyro
- Cotton Draw Unit #134H (1)
- Cotton Draw Unit #135H (1)
- Cotton Draw Unit #136H (1)
- Wft Svy



Total Correction to Grid North: 7.36°

Azimuths to Grid North
True North: -0.31°
Magnetic North: 7.36°
Magnetic Field
Strength: 48595nT
Dip Angle: 60.11°
Date: 6/15/2011
Model: IGRF2010

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Survey: Wft Svy (Cotton Draw Unit #151H/1)

No	MD	Inc	Az	TVD	+N/-S	+E/-W	DLeg	TFace	VSec
112	12744.00	92.06	180.09	8249.83	-4837.11	55.88	0.80	-89.99	4837.19

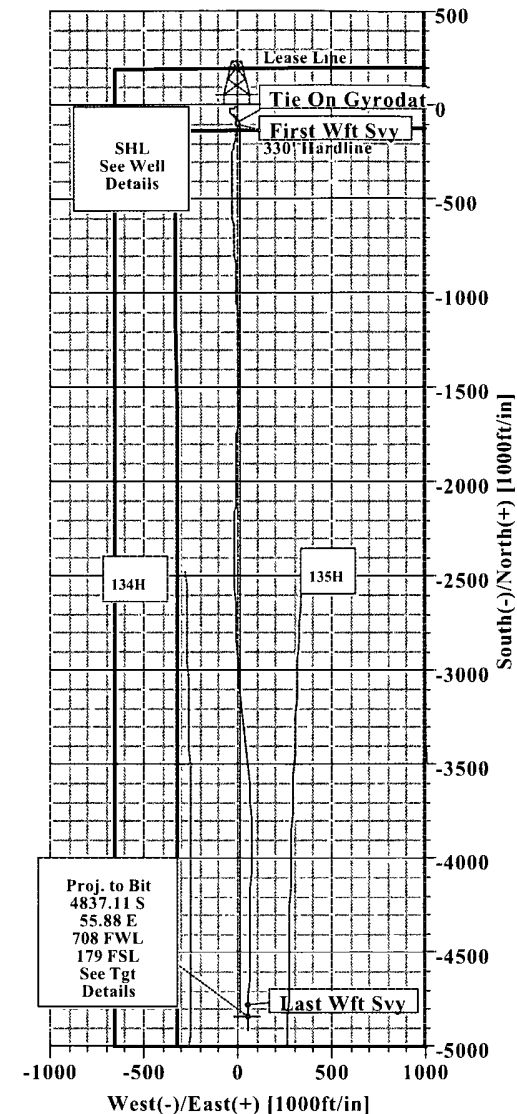
Last Wft Svy

Proj. to Bit

Survey: Wft Svy (Cotton Draw Unit #151H/1)

Created By: Keith Noack

Date: 7/11/2011





Weatherford International Ltd.

WFT Survey Report X & Y's

**Weatherford**

Company: Devon Energy Date: 7/11/2011 Time: 07:01:41 Page: 1
Field: Eddy Co., NM (NAD 83) Co-ordinate(NE) Reference: Well: Cotton Draw Unit #151H, Grid North
Site: Cotton Draw Unit #151H Vertical (TVD) Reference: SITE 3519.0
Well: Cotton Draw Unit #151H Section (VS) Reference: Well (0.00N,0.00E,179.91Azi)
Wellpath: 1 Survey Calculation Method: Minimum Curvature Db: Sybase

Survey: Wft Svy Start Date: 6/27/2011
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 #151H

Site Position: Northing: 429899.75 ft Latitude: 32 10 49.972 N
From: Map Easting: 720264.78 ft Longitude: 103 45 17.997 W
Position Uncertainty: 0.00 ft North Reference: Grid
Ground Level: 3501.00 ft Grid Convergence: 0.31 deg

Well: Cotton Draw Unit #151H Slot Name:
Well Position: +N/-S 0.00 ft Northing: 429899.75 ft Latitude: 32 10 49.972 N
+E/-W 0.00 ft Easting: 720264.78 ft Longitude: 103 45 17.997 W
Position Uncertainty: 0.00 ft

Wellpath: 1 Drilled From: Surface
Current Datum: SITE Height 3519.00 ft Tie-on Depth: 0.00 ft
Magnetic Data: 6/15/2011 Above System Datum: Mean Sea Level
Field Strength: 48595 nT Declination: 7.67 deg
Vertical Section: Depth From (TVD) +N/-S Mag Dip Angle: 60.11 deg
ft ft ft deg
0.00 0.00 0.00 179.91

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
7600.00	1.18	160.57	7598.42	-93.49	4.02	0.00	93.50	429806.26	720268.80	Tie On Gyrodata First Wft Svy
7675.00	1.38	157.70	7673.40	-95.05	4.62	0.28	95.06	429804.70	720269.40	
7707.00	5.35	176.06	7705.34	-96.90	4.87	12.70	96.91	429802.85	720269.65	
7739.00	8.91	183.80	7737.09	-100.86	4.81	11.50	100.87	429798.89	720269.59	
7771.00	12.14	187.89	7768.55	-106.67	4.19	10.35	106.68	429793.08	720268.97	
7802.00	14.88	189.73	7798.69	-113.82	3.06	8.95	113.83	429785.93	720267.84	
7834.00	16.45	190.47	7829.50	-122.33	1.55	4.95	122.33	429777.42	720266.33	
7866.00	18.30	192.32	7860.03	-131.69	-0.35	6.03	131.69	429768.06	720264.43	
7898.00	21.79	193.53	7890.09	-142.38	-2.81	10.98	142.37	429757.37	720261.97	
7930.00	25.48	194.27	7919.40	-154.83	-5.90	11.57	154.82	429744.92	720258.88	
7962.00	28.98	195.53	7947.85	-168.97	-9.67	11.08	168.96	429730.78	720255.11	
7994.00	32.79	196.61	7975.31	-184.75	-14.23	12.03	184.73	429715.00	720250.55	
8025.00	36.98	195.30	8000.73	-201.80	-19.09	13.73	201.77	429697.95	720245.69	
8057.00	40.65	192.50	8025.66	-221.26	-23.89	12.71	221.23	429678.49	720240.89	
8089.00	43.66	189.77	8049.39	-242.33	-28.02	11.01	242.29	429657.42	720236.76	
8121.00	45.83	186.21	8072.12	-264.63	-31.13	10.36	264.58	429635.12	720233.65	
8153.00	48.41	183.98	8093.89	-287.99	-33.21	9.54	287.93	429611.76	720231.57	
8185.00	50.72	182.46	8114.65	-312.30	-34.57	8.07	312.24	429587.45	720230.21	
8216.00	54.26	181.11	8133.52	-336.88	-35.33	11.93	336.82	429562.87	720229.45	
8248.00	57.77	180.45	8151.40	-363.40	-35.69	11.10	363.34	429536.35	720229.09	
8280.00	61.35	179.32	8167.61	-390.99	-35.63	11.59	390.93	429508.76	720229.15	
8312.00	65.03	178.38	8182.04	-419.54	-35.05	11.79	419.48	429480.21	720229.73	
8344.00	68.99	178.15	8194.54	-448.97	-34.16	12.39	448.92	429450.78	720230.62	
8376.00	72.42	177.42	8205.11	-479.15	-32.99	10.93	479.10	429420.60	720231.79	



Company: Devon Energy
Field: Eddy Co., NM (NAD 83)
Site: Cotton Draw Unit #151H
Well: Cotton Draw Unit #151H
Wellpath: 1

Date: 7/11/2011 Time: 07:01:41 Page: 2
Co-ordinate(NE) Reference: Well: Cotton Draw Unit #151H, Grid North
Vertical (TVD) Reference: SITE 3519.0
Section (VS) Reference: Well (0.00N,0.00E,179.91Azi)
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
8407.00	74.68	177.60	8213.89	-508.85	-31.70	7.31	508.80	429390.90	720233.08	
8439.00	76.11	177.29	8221.96	-539.79	-30.31	4.57	539.74	429359.96	720234.47	
8471.00	78.06	176.83	8229.11	-570.93	-28.71	6.25	570.89	429328.82	720236.07	
8503.00	82.53	176.51	8234.50	-602.41	-26.88	14.00	602.37	429297.34	720237.90	
8535.00	86.53	176.77	8237.55	-634.21	-25.02	12.53	634.17	429265.54	720239.76	
8566.00	87.59	176.93	8239.14	-665.12	-23.31	3.46	665.08	429234.63	720241.47	
8598.00	88.35	176.75	8240.28	-697.05	-21.55	2.44	697.01	429202.70	720243.23	
8630.00	88.36	176.87	8241.20	-728.99	-19.77	0.38	728.95	429170.76	720245.01	
8662.00	88.71	176.84	8242.01	-760.93	-18.02	1.10	760.90	429138.82	720246.76	
8694.00	89.13	176.70	8242.62	-792.87	-16.21	1.38	792.84	429106.88	720248.57	
8725.00	89.06	177.13	8243.11	-823.82	-14.55	1.41	823.80	429075.93	720250.23	
8757.00	88.85	177.02	8243.69	-855.78	-12.91	0.74	855.75	429043.97	720251.87	
8789.00	88.43	177.44	8244.45	-887.73	-11.37	1.86	887.71	429012.02	720253.41	
8820.00	88.43	177.73	8245.30	-918.69	-10.06	0.94	918.67	428981.06	720254.72	
8852.00	88.85	177.72	8246.06	-950.66	-8.79	1.31	950.64	428949.09	720255.99	
8884.00	88.78	178.03	8246.72	-982.63	-7.61	0.99	982.61	428917.12	720257.17	
8916.00	90.32	178.27	8246.97	-1014.61	-6.57	4.87	1014.60	428885.14	720258.21	
8948.00	92.06	178.23	8246.31	-1046.59	-5.60	5.44	1046.57	428853.16	720259.18	
8980.00	92.76	178.65	8244.96	-1078.54	-4.73	2.55	1078.54	428821.21	720260.05	
9012.00	92.91	178.46	8243.38	-1110.50	-3.92	0.76	1110.49	428789.25	720260.86	
9044.00	93.18	178.80	8241.68	-1142.44	-3.16	1.36	1142.43	428757.31	720261.62	
9076.00	92.56	179.64	8240.08	-1174.40	-2.72	3.26	1174.39	428725.35	720262.06	
9108.00	92.62	179.87	8238.63	-1206.36	-2.58	0.74	1206.36	428693.39	720262.20	
9140.00	92.56	179.67	8237.18	-1238.33	-2.46	0.65	1238.33	428661.42	720262.32	
9172.00	91.43	179.80	8236.07	-1270.31	-2.31	3.55	1270.31	428629.44	720262.47	
9204.00	91.50	179.75	8235.25	-1302.30	-2.18	0.27	1302.30	428597.45	720262.60	
9235.00	91.30	179.57	8234.50	-1333.29	-2.00	0.87	1333.29	428566.46	720262.78	
9267.00	90.38	179.88	8234.03	-1365.29	-1.84	3.03	1365.28	428534.46	720262.94	
9299.00	89.69	180.23	8234.01	-1397.29	-1.87	2.42	1397.28	428502.46	720262.91	
9331.00	89.75	180.09	8234.16	-1429.29	-1.96	0.48	1429.28	428470.46	720262.82	
9363.00	89.83	180.19	8234.28	-1461.29	-2.04	0.40	1461.28	428438.46	720262.74	
9395.00	89.76	180.29	8234.39	-1493.28	-2.18	0.38	1493.28	428406.47	720262.60	
9427.00	88.70	180.17	8234.82	-1525.28	-2.30	3.33	1525.28	428374.47	720262.48	
9459.00	88.50	180.21	8235.61	-1557.27	-2.41	0.64	1557.27	428342.48	720262.37	
9491.00	88.92	180.31	8236.33	-1589.26	-2.56	1.35	1589.26	428310.49	720262.22	
9523.00	89.48	180.88	8236.77	-1621.26	-2.89	2.50	1621.25	428278.49	720261.89	
9555.00	90.24	181.78	8236.85	-1653.25	-3.63	3.68	1653.24	428246.50	720261.15	
9587.00	88.57	180.99	8237.18	-1685.24	-4.40	5.77	1685.23	428214.51	720260.38	
9619.00	87.58	180.88	8238.26	-1717.21	-4.93	3.11	1717.20	428182.54	720259.85	
9651.00	87.52	180.87	8239.63	-1749.18	-5.41	0.19	1749.17	428150.57	720259.37	
9683.00	87.80	181.14	8240.93	-1781.15	-5.98	1.22	1781.14	428118.60	720258.80	
9715.00	87.94	181.17	8242.12	-1813.12	-6.62	0.45	1813.11	428086.63	720258.16	
9747.00	88.07	181.55	8243.24	-1845.09	-7.38	1.25	1845.08	428054.66	720257.40	
9779.00	88.00	181.11	8244.33	-1877.06	-8.12	1.39	1877.05	428022.69	720256.66	
9811.00	87.93	181.55	8245.47	-1909.04	-8.86	1.39	1909.02	427990.71	720255.92	
9843.00	88.00	181.46	8246.61	-1941.00	-9.70	0.36	1940.99	427958.75	720255.08	
9875.00	87.87	181.46	8247.76	-1972.97	-10.52	0.41	1972.95	427926.78	720254.26	
9907.00	88.07	181.47	8248.89	-2004.94	-11.34	0.63	2004.92	427894.81	720253.44	
9939.00	88.15	181.75	8249.95	-2036.91	-12.23	0.91	2036.89	427862.84	720252.55	
9971.00	88.08	181.80	8251.00	-2068.88	-13.23	0.27	2068.86	427830.87	720251.55	
10003.00	88.00	182.25	8252.10	-2100.84	-14.36	1.43	2100.81	427798.91	720250.42	
10035.00	87.92	181.36	8253.24	-2132.80	-15.36	2.79	2132.78	427766.95	720249.42	



Company: Devon Energy	Date: 7/11/2011	Time: 07:01:41	Page: 3
Field: Eddy Co., NM (NAD 83)	Co-ordinate(NE) Reference:	Well: Cotton Draw Unit #151H, Grid North	
Site: Cotton Draw Unit #151H	Vertical (TVD) Reference:	SITE 3519.0	
Well: Cotton Draw Unit #151H	Section (VS) Reference:	Well (0.00N,0.00E,179.91Azi)	
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
10067.00	87.94	181.07	8254.39	-2164.78	-16.04	0.91	2164.75	427734.97	720248.74	
10098.00	88.01	180.85	8255.49	-2195.75	-16.56	0.74	2195.72	427704.00	720248.22	
10130.00	89.06	180.14	8256.30	-2227.74	-16.84	3.96	2227.71	427672.01	720247.94	
10162.00	88.52	180.34	8256.98	-2259.73	-16.97	1.80	2259.70	427640.02	720247.81	
10194.00	89.19	180.07	8257.62	-2291.73	-17.08	2.26	2291.70	427608.02	720247.70	
10226.00	89.97	179.99	8257.85	-2323.72	-17.10	2.45	2323.69	427576.03	720247.68	
10258.00	91.50	179.67	8257.44	-2355.72	-17.01	4.88	2355.69	427544.03	720247.77	
10290.00	91.71	179.92	8256.55	-2387.71	-16.89	1.02	2387.68	427512.04	720247.89	
10322.00	91.57	179.88	8255.63	-2419.70	-16.84	0.45	2419.66	427480.05	720247.94	
10354.00	91.85	179.94	8254.68	-2451.68	-16.79	0.89	2451.65	427448.07	720247.99	
10449.00	91.08	179.46	8252.25	-2546.65	-16.29	0.96	2546.62	427353.10	720248.49	
10545.00	91.57	179.04	8250.03	-2642.61	-15.03	0.67	2642.59	427257.14	720249.75	
10640.00	89.55	177.69	8249.10	-2737.56	-12.32	2.56	2737.54	427162.19	720252.46	
10736.00	90.10	176.78	8249.39	-2833.45	-7.69	1.11	2833.43	427066.30	720257.09	
10832.00	91.36	176.90	8248.17	-2929.29	-2.40	1.32	2929.29	426970.46	720262.38	
10928.00	89.62	175.51	8247.35	-3025.07	3.95	2.32	3025.08	426874.68	720268.73	
11024.00	89.61	174.79	8247.99	-3120.73	12.07	0.75	3120.74	426779.02	720276.85	
11120.00	88.85	171.68	8249.28	-3216.04	23.38	3.33	3216.07	426683.71	720288.16	
11216.00	89.55	174.19	8250.62	-3311.29	35.18	2.71	3311.34	426588.46	720299.96	
11312.00	90.80	175.03	8250.33	-3406.86	44.20	1.57	3406.93	426492.89	720308.98	
11408.00	89.90	175.50	8249.75	-3502.53	52.12	1.06	3502.61	426397.22	720316.90	
11503.00	89.76	175.44	8250.03	-3597.24	59.63	0.16	3597.33	426302.51	720324.41	
11598.00	88.78	175.55	8251.24	-3691.93	67.09	1.04	3692.04	426207.82	720331.87	
11692.00	87.31	178.03	8254.44	-3785.72	72.35	3.07	3785.83	426114.03	720337.13	
11787.00	87.02	180.48	8259.14	-3880.59	73.58	2.59	3880.70	426019.16	720338.36	
11882.00	88.92	181.61	8262.51	-3975.51	71.85	2.33	3975.62	425924.24	720336.63	
11977.00	89.27	181.49	8264.01	-4070.46	69.28	0.39	4070.57	425829.29	720334.06	
12072.00	91.57	181.80	8263.31	-4165.41	66.55	2.44	4165.52	425734.34	720331.33	
12167.00	91.85	180.86	8260.48	-4260.34	64.35	1.03	4260.44	425639.41	720329.13	
12262.00	90.38	180.47	8258.63	-4355.32	63.25	1.60	4355.41	425544.43	720328.03	
12357.00	89.90	179.63	8258.40	-4450.32	63.16	1.02	4450.41	425449.43	720327.94	
12451.00	90.87	182.13	8257.77	-4544.29	61.72	2.85	4544.39	425355.46	720326.50	
12546.00	91.29	181.45	8255.98	-4639.23	58.75	0.84	4639.32	425260.52	720323.53	
12641.00	91.78	180.92	8253.43	-4734.17	56.79	0.76	4734.26	425165.58	720321.57	
12683.00	92.06	180.58	8252.02	-4776.15	56.24	1.05	4776.23	425123.60	720321.02	Last Wft Svy
12744.00	92.06	180.09	8249.83	-4837.11	55.88	0.80	4837.19	425062.64	720320.66	Proj to Bit

Annotation

MD ft	TVD ft	
7600.00	7598.42	Tie On Gyrodata
7675.00	7673.40	First Wft Svy
12683.00	8252.02	Last Wft Svy
12744.00	8249.83	Proj. to Bit