



Weatherford[®]

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

Devon Energy
20 North Broadway
Oklahoma City, OK, 73102

Date: August 2, 2010

30-015-37628

Attention: Wes Handley

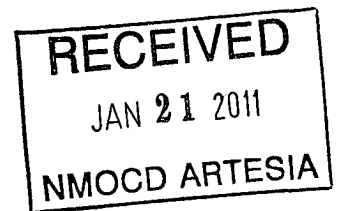
Re: Devon Energy
Well: Cooter 16 State #4H
Eddy County, New Mexico

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
Daniel Rodriguez MWD Supervisor	4H	6451' MD 11535' MD	7/16/2010 7/25/2010	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.

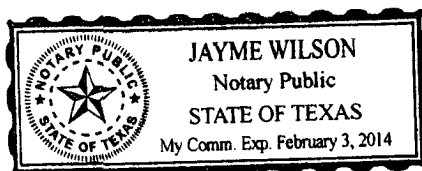
Luke Schnell
Area Manager



On this, the 2nd day of August, 2010, 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





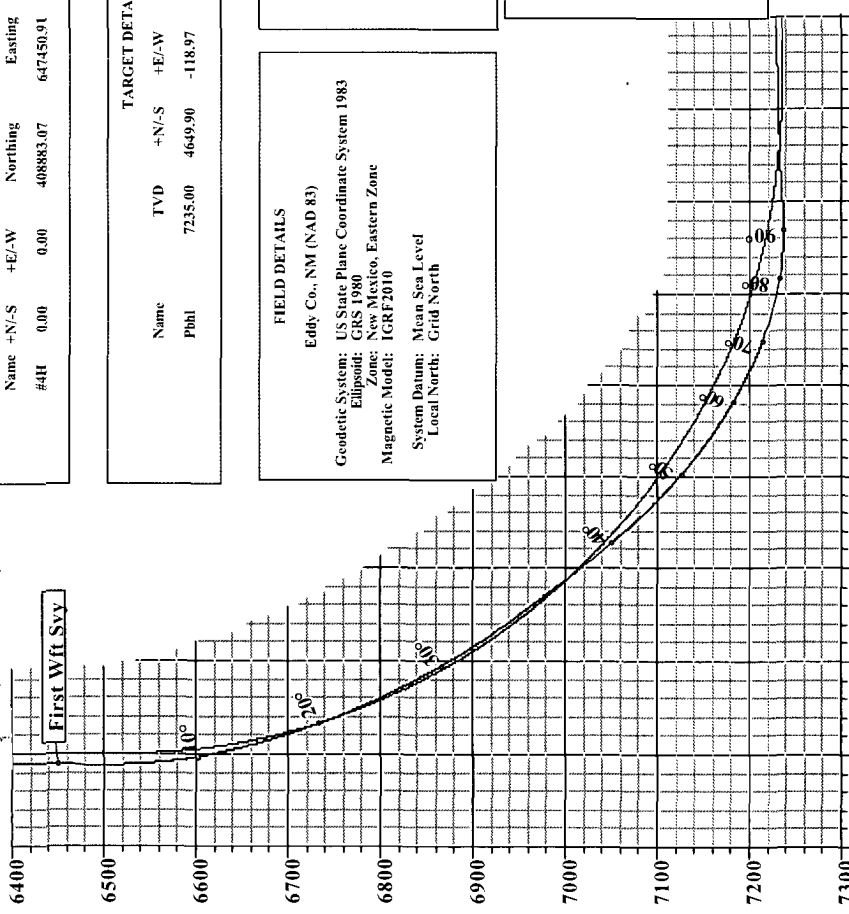
COOTER 16 STATE #4H
EDDY CO., NEW MEXICO

Rig H&P 214

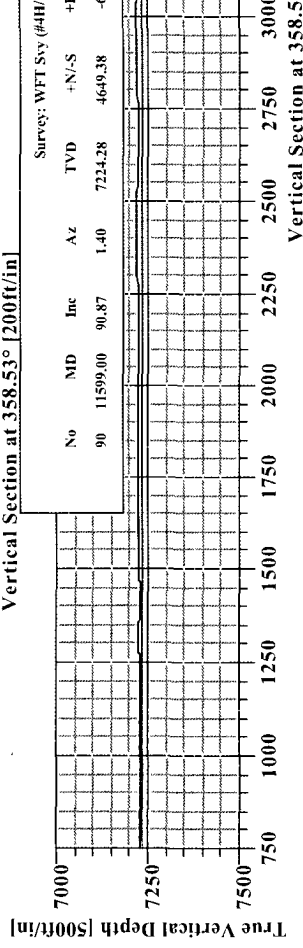
KBELEV: 2991
GLELEV: 2966

First Wft Svy

True Vertical Depth [200ft/in]



Vertical Section at 358.53° [200ft/in]



SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	358.53	0.00	0.00	0.00	0.00	0.00	0.00	
2	6518.80	0.00	358.53	6518.80	0.00	0.00	0.00	0.00	0.00	
3	7643.80	90.00	358.53	7235.00	715.96	-18.32	8.00	358.53	716.20	Pbhl
4	11579.03	90.00	358.53	7235.00	4649.90	-118.97	0.00	0.00	4651.42	Pbhl

WELL DETAILS

Name	+N/-S	+E/-W	North	East	Latitude	Longitude	Slot
#4H	0.00	0.00	408883.07	647450.91	32°07'25.076N	103°50'26.027W	N/A

TARGET DETAILS

Name	TVD	+N/-S	+E/-W	North	East	Shape
Pbhl	7235.00	4649.90	-118.97	413532.97	647331.94	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

Cooter 16 State #4H
Site Centre Northing: 408883.07
Easting: 647450.91
Ground Level: 2966.00
Positional Uncertainty: 0.00
Convergence: 0.18

Azimuths to Grid North
True North: -0.18°
Magnetic North: 7.70°
Magnetic Field
Strength: 48626nT
Dip Angle: 60.04°
Date: 7/14/2010
Model: IGRF2010

Total Correction to Grid North: 7.70°



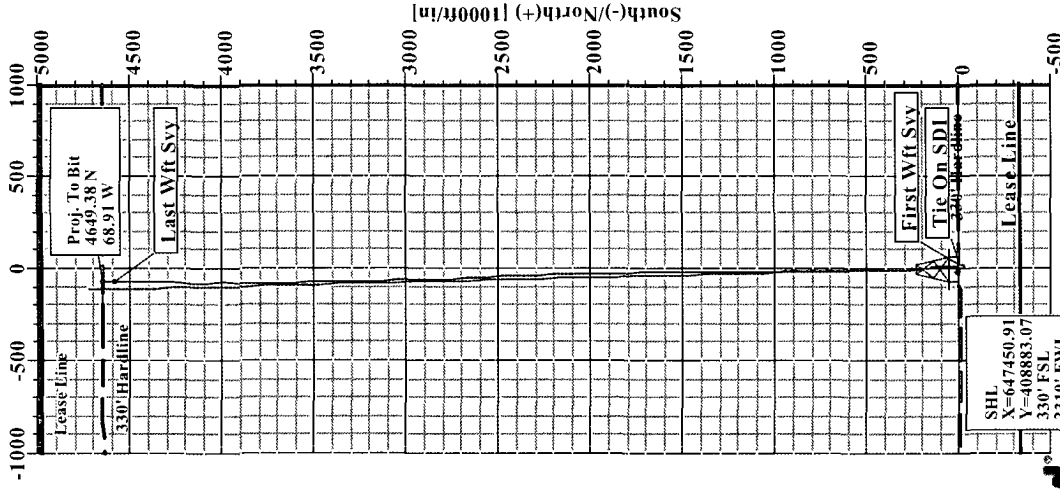
Weatherford

Survey: WFT Svy (#4H/1)

No	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec
90	11599.00	90.87	1.40	7224.28	4649.38	-68.91	0.00	180.00	4649.62

Vertical Section at 358.53° [500ft/in]

West(-)/East(+) [1000ft/in]



LEGEND
#4H, 1 Gyro
#4H, 1 Plan #3
WFT Svy

Survey: WFT Svy (#4H/1)

Created By: Russell W. Joyner

Date: 7/26/2010



Weatherford International Ltd.

WFT Survey Report X & Y's

**Weatherford**

Company: Devon Energy	Date: 7/26/2010	Time: 06:27:40	Page: 1
Field: Eddy Co., NM (NAD 83)	Co-ordinate(NE) Reference: Well: #4H, Grid North		
Site: Cooter 16 State #4H	Vertical (TVD) Reference: SITE 2991.0		
Well: #4H	Section (VS) Reference: Well (0.00N,0.00E,358.53Azi)		
Wellpath: 1	Survey Calculation Method: Minimum Curvature	Db: Sybase	

Survey: WFT Svy	Start Date: 7/19/2010
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: Cooter 16 State #4H

Site Position:	Northing: 408883.07 ft	Latitude: 32 7 25.076 N
From: Map	Easting: 647450.91 ft	Longitude: 103 59 26.027 W
Position Uncertainty: 0.00 ft		North Reference: Grid
Ground Level: 2966.00 ft		Grid Convergence: 0.18 deg

Well: #4H	Slot Name:	
Well Position: +N/-S 0.00 ft	Northing: 408883.07 ft	Latitude: 32 7 25.076 N
+E/-W 0.00 ft	Easting: 647450.91 ft	Longitude: 103 59 26.027 W
Position Uncertainty: 0.00 ft		

Wellpath: 1	Drilled From: Surface		
Current Datum: SITE	Tie-on Depth: 0.00 ft		
Magnetic Data: 7/14/2010	Above System Datum: Mean Sea Level		
Field Strength: 48626 nT	Declination: 7.88 deg		
Vertical Section: Depth From (TVD)	Mag Dip Angle: 60.04 deg		
ft	+N/-S	+E/-W	Direction
	ft	ft	deg
0.00	0.00	0.00	358.53

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
6400.00	1.35	166.19	6398.78	-9.62	6.26	0.00	-9.78	408873.45	647457.17	Tie On SDI First Wft Svy
6451.00	1.29	174.69	6449.77	-10.78	6.46	0.40	-10.94	408872.29	647457.37	
6482.00	1.13	178.75	6480.76	-11.43	6.50	0.59	-11.59	408871.64	647457.41	
6514.00	1.09	38.44	6512.76	-11.51	6.69	6.53	-11.67	408871.56	647457.60	
6545.00	4.34	12.74	6543.72	-10.13	7.13	10.94	-10.31	408872.94	647458.04	
6576.00	7.11	9.88	6574.56	-7.09	7.72	8.98	-7.29	408875.97	647458.63	
6608.00	10.53	5.98	6606.18	-2.23	8.37	10.84	-2.45	408880.83	647459.28	
6639.00	13.27	1.09	6636.51	4.14	8.73	9.41	3.92	408887.21	647459.64	
6671.00	15.10	357.41	6667.54	11.98	8.61	6.37	11.75	408895.05	647459.52	
6702.00	17.49	357.69	6697.29	20.67	8.24	7.71	20.45	408903.73	647459.15	
6733.00	19.47	358.85	6726.69	30.49	7.95	6.50	30.28	408913.56	647458.86	
6765.00	21.67	359.68	6756.65	41.73	7.81	6.93	41.52	408924.80	647458.72	
6796.00	23.43	0.22	6785.27	53.62	7.80	5.72	53.40	408936.68	647458.71	
6827.00	25.97	0.30	6813.44	66.57	7.86	8.19	66.35	408949.64	647458.77	
6859.00	28.25	359.32	6841.92	81.15	7.81	7.26	80.92	408964.22	647458.72	
6890.00	30.21	358.52	6868.97	96.29	7.52	6.45	96.06	408979.35	647458.43	
6922.00	31.99	357.45	6896.37	112.80	6.93	5.82	112.59	408995.87	647457.84	
6953.00	34.25	356.60	6922.33	129.72	6.05	7.44	129.52	409012.78	647456.96	
6984.00	35.74	358.10	6947.73	147.47	5.23	5.55	147.29	409030.54	647456.14	
7016.00	37.48	355.24	6973.41	166.52	4.11	7.61	166.36	409049.59	647455.02	
7047.00	37.76	352.77	6997.97	185.34	2.14	4.95	185.22	409068.40	647453.05	
7079.00	38.95	352.26	7023.06	205.02	-0.45	3.85	204.97	409088.09	647450.46	
7089.00	39.00	352.03	7030.84	211.25	-1.31	1.53	211.22	409094.32	647449.60	
7110.00	39.75	353.22	7047.07	224.47	-3.02	5.07	224.47	409107.53	647447.89	



Weatherford International Ltd.

WFT Survey Report X & Y's

**Weatherford**

Company: Devon Energy
Field: Eddy Co., NM (NAD 83)
Site: Cooter 16 State #4H
Well: #4H
Wellpath: 1

Date: 7/26/2010 Time: 06:27:40 Page: 2
Co-ordinate(NE) Reference: Well: #4H, Grid North
Vertical (TVD) Reference: SITE 2991.0
Section (VS) Reference: Well (0.00N,0.00E,358.53Azi)
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
7141.00	41.95	355.10	7070.52	244.63	-5.07	8.13	244.68	409127.70	647445.84	
7173.00	44.95	356.44	7093.75	266.58	-6.69	9.81	266.66	409149.65	647444.22	
7204.00	48.36	357.24	7115.02	289.09	-7.93	11.16	289.19	409172.15	647442.98	
7236.00	51.28	359.41	7135.67	313.52	-8.63	10.49	313.64	409196.59	647442.28	
7267.00	54.02	358.24	7154.47	338.15	-9.14	9.33	338.28	409221.22	647441.77	
7298.00	57.48	359.13	7171.92	363.77	-9.73	11.41	363.90	409246.83	647441.18	
7330.00	61.28	357.58	7188.22	391.29	-10.52	12.58	391.43	409274.35	647440.39	
7361.00	65.21	358.04	7202.17	418.94	-11.58	12.75	419.10	409302.01	647439.33	
7393.00	70.05	1.27	7214.35	448.52	-11.74	17.77	448.67	409331.59	647439.17	
7403.00	71.39	0.59	7217.65	457.96	-11.59	14.86	458.10	409341.02	647439.32	
7413.00	72.85	1.05	7220.72	467.47	-11.45	15.24	467.61	409350.54	647439.46	
7429.00	74.97	1.80	7225.15	482.84	-11.07	13.99	482.97	409365.91	647439.84	
7444.00	77.07	2.91	7228.78	497.38	-10.47	15.73	497.49	409380.45	647440.44	
7455.00	78.48	3.52	7231.11	508.12	-9.87	13.92	508.20	409391.18	647441.04	
7475.00	81.75	3.83	7234.54	527.78	-8.61	16.42	527.82	409410.84	647442.30	
7518.00	90.46	1.68	7237.46	570.58	-6.55	20.86	570.56	409453.65	647444.36	
7550.00	93.88	358.14	7236.25	602.55	-6.60	15.37	602.52	409485.62	647444.31	
7581.00	93.47	359.17	7234.26	633.48	-7.33	3.57	633.46	409516.55	647443.58	
7613.00	92.48	359.14	7232.60	665.43	-7.80	3.10	665.41	409548.50	647443.11	
7644.00	91.64	358.57	7231.48	696.40	-8.42	3.27	696.39	409579.47	647442.49	
7675.00	91.36	358.45	7230.67	727.38	-9.22	0.98	727.38	409610.45	647441.69	
7738.00	92.06	358.12	7228.79	790.33	-11.11	1.23	790.35	409673.39	647439.80	
7770.00	91.99	358.29	7227.66	822.29	-12.11	0.57	822.33	409705.36	647438.80	
7832.00	88.99	358.54	7227.13	884.26	-13.82	4.86	884.32	409767.32	647437.09	
7895.00	88.57	358.75	7228.47	947.23	-15.31	0.75	947.31	409830.29	647435.60	
7926.00	89.62	357.93	7228.96	978.21	-16.21	4.30	978.30	409861.28	647434.70	
7958.00	89.62	359.70	7229.17	1010.20	-16.87	5.53	1010.30	409893.27	647434.04	
8021.00	89.83	359.89	7229.48	1073.20	-17.10	0.45	1073.28	409956.27	647433.81	
8115.00	91.15	358.74	7228.67	1167.18	-18.22	1.86	1167.27	410050.25	647432.69	
8209.00	91.15	0.15	7226.79	1261.16	-19.13	1.50	1261.24	410144.23	647431.78	
8304.00	89.20	358.59	7226.50	1356.14	-20.18	2.63	1356.22	410239.21	647430.73	
8398.00	90.52	359.15	7226.73	1450.12	-22.03	1.53	1450.21	410333.19	647428.88	
8492.00	91.79	0.85	7224.83	1544.10	-22.03	2.26	1544.16	410427.17	647428.88	
8681.00	89.90	358.01	7222.04	1733.04	-23.91	1.80	1733.09	410616.11	647427.00	
8775.00	88.71	358.58	7223.18	1826.99	-26.71	1.40	1827.08	410710.06	647424.20	
8869.00	90.24	358.03	7224.04	1920.94	-29.49	1.73	1921.07	410804.01	647421.42	
8963.00	90.03	358.23	7223.82	2014.89	-32.56	0.31	2015.07	410897.96	647418.35	
9057.00	89.90	359.19	7223.88	2108.87	-34.67	1.03	2109.06	410991.93	647416.24	
9152.00	91.01	359.25	7223.13	2203.85	-35.96	1.17	2204.05	411086.92	647414.95	
9246.00	91.36	359.26	7221.18	2297.83	-37.19	0.37	2298.03	411180.89	647413.72	
9340.00	89.97	357.06	7220.09	2391.76	-40.20	2.77	2392.01	411274.83	647410.71	
9434.00	89.33	357.33	7220.67	2485.65	-44.80	0.74	2485.98	411368.72	647406.11	
9528.00	88.92	357.89	7222.10	2579.55	-48.72	0.74	2579.96	411462.62	647402.19	
9622.00	90.59	356.81	7222.50	2673.45	-53.07	2.12	2673.93	411556.52	647397.84	
9716.00	90.66	357.93	7221.48	2767.34	-57.38	1.19	2767.90	411650.41	647393.53	
9810.00	90.17	357.95	7220.80	2861.28	-60.76	0.52	2861.90	411744.35	647390.15	
9905.00	89.83	358.09	7220.80	2956.22	-64.04	0.39	2956.89	411839.29	647386.87	
9999.00	89.33	358.20	7221.49	3050.17	-67.09	0.54	3050.89	411933.24	647383.82	
10093.00	90.45	358.54	7221.67	3144.13	-69.76	1.25	3144.89	412027.20	647381.15	
10187.00	90.24	358.16	7221.10	3238.09	-72.47	0.46	3238.88	412121.16	647378.44	
10282.00	89.69	358.63	7221.16	3333.05	-75.13	0.76	3333.88	412216.12	647375.78	
10376.00	92.55	0.17	7219.32	3427.02	-76.11	3.46	3427.84	412310.08	647374.80	



Weatherford International Ltd.

WFT Survey Report X & Y's

**Weatherford**

Company: Devon Energy
Field: Eddy Co., NM (NAD 83)
Site: Cooter 16 State #4H
Well: #4H
Wellpath: 1

Date: 7/26/2010 Time: 06:27:40 Page: 3
Co-ordinate(NE) Reference: Well: #4H, Grid North
Vertical (TVD) Reference: SITE 2991.0
Section (VS) Reference: Well (0.00N,0.00E,358.53Azi)
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
10470.00	92.49	358.76	7215.19	3520.92	-76.99	1.50	3521.74	412403.99	647373.92	
10565.00	90.31	358.75	7212.87	3615.86	-79.05	2.29	3616.70	412498.93	647371.86	
10659.00	89.62	359.11	7212.92	3709.84	-80.81	0.83	3710.70	412592.91	647370.10	
10753.00	90.17	0.83	7213.10	3803.84	-80.86	1.92	3804.66	412686.91	647370.05	
10847.00	88.92	1.20	7213.84	3897.82	-79.19	1.39	3898.57	412780.89	647371.72	
10941.00	88.08	0.33	7216.30	3991.78	-77.94	1.29	3992.47	412874.85	647372.97	
11035.00	86.75	359.44	7220.54	4085.68	-78.13	1.70	4086.34	412968.75	647372.78	
11129.00	87.51	359.72	7225.25	4179.56	-78.81	0.86	4180.21	413062.63	647372.10	
11223.00	89.83	1.60	7227.43	4273.52	-77.73	3.18	4274.11	413156.58	647373.18	
11317.00	89.97	2.04	7227.60	4367.47	-74.75	0.49	4367.95	413250.54	647376.16	
11412.00	90.60	0.68	7227.12	4462.44	-72.49	1.58	4462.83	413345.50	647378.42	
11506.00	91.08	1.03	7225.74	4556.42	-71.09	0.63	4556.74	413439.48	647379.82	
11535.00	90.87	1.40	7225.25	4585.41	-70.47	1.47	4585.71	413468.47	647380.44	Last Wft Svy
11599.00	90.87	1.40	7224.28	4649.38	-68.91	0.00	4649.62	413532.45	647382.00	Proj. To Bit

Annotation

MD ft	TVD ft	
6400.00	6398.78	Tie On SDI
6451.00	6449.77	First Wft Svy
11535.00	7225.25	Last Wft Svy
11599.00	7224.28	Proj. To Bit