



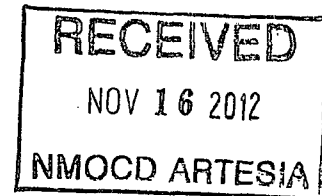
A GYRO TECHNOLOGIES INC. COMPANY

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

30-015-40012

June 7, 2012

Devon Energy Production Company
20 North Broadway
Oklahoma City, OK 73102



Attn: Mark Cooper

Re: **Shagtus 26 State Com 4H**

Please find enclosed a copy of the survey from 0' to 7,250' ran on the above referenced well.

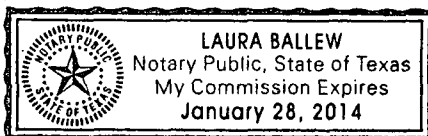
If I can be of any further service, please do not hesitate to call me at 800-606-4976.

Sincerely,

Keith Havelka
Operations

STATE OF TEXAS §
COUNTY OF NUECES §

This instrument was acknowledged before me on the 13th day of June,
A.D., 2012, by Keith Havelka.



Laura Ballew
Notary Public, State of Texas

Company: DEVON ENERGY PRODUCTION CO., LP

Well: SHAQTUS 26 STATE COM 4H



Rig Name: H&P 214

State/County: NEW MEXICO/EDDY

Latitude: 32.44

GRID North is 0.32 Degrees East of True North

VS-Azi: 359.72 Degrees



DRILLOG HA GYRO SURVEY CALCULATIONS

Filename: SHAQTUS 26 STATE COM-4H.ut

Minimum Curvature Method

Report Date/Time: 6/7/2012 / 13:35

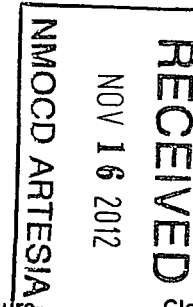
VAUGHN ENERGY SERVICES

432-563-5444

GARDENDALE, TX

SURVEYOR: DUSTIN SKORUPPA

SHAQTUS 26 STATE COM 4H / API 30-015-40012



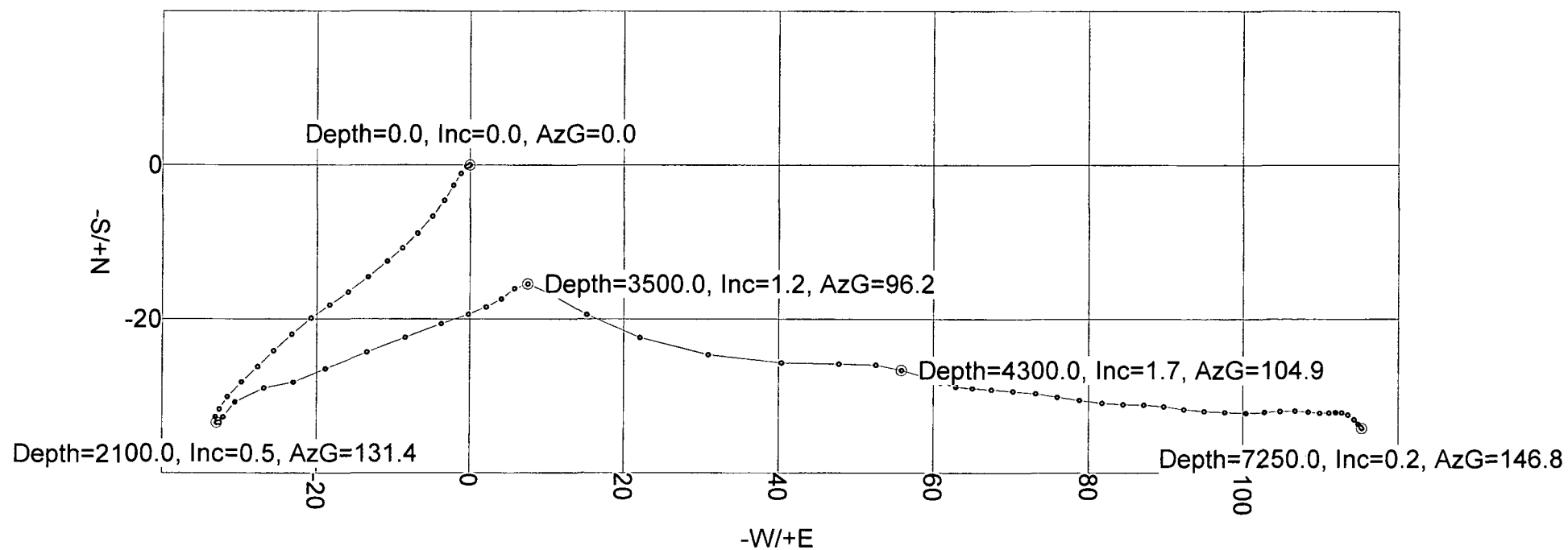
Measured Depth FT	Incl Angle Deg	Drift Direction Deg	TVD FT	+N/-S FT	+E/-W FT	Vertical Section FT	Closure Distance FT	Closure Direction Deg	Dogleg Severity Deg/100
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	****
100.00	0.13	275.19	100.00	0.01	-0.11	0.01	0.11	275.19	0.13
200.00	0.41	225.96	200.00	-0.23	-0.47	-0.22	0.52	244.37	0.34
300.00	0.90	217.45	299.99	-1.10	-1.21	-1.09	1.63	227.67	0.51
400.00	1.18	208.39	399.98	-2.63	-2.18	-2.62	3.41	219.59	0.32
500.00	1.44	213.93	499.95	-4.58	-3.37	-4.56	5.68	216.32	0.29
600.00	1.57	221.18	599.91	-6.65	-4.97	-6.63	8.30	216.76	0.23
700.00	1.83	222.13	699.87	-8.86	-6.94	-8.83	11.26	218.06	0.27
800.00	1.30	229.20	799.83	-10.79	-8.87	-10.75	13.97	219.42	0.57
900.00	1.69	228.75	899.80	-12.51	-10.84	-12.45	16.55	220.92	0.39
1000.00	1.99	231.90	999.75	-14.55	-13.32	-14.49	19.73	222.46	0.32
1100.00	1.70	233.69	1099.70	-16.51	-15.88	-16.43	22.91	223.90	0.30
1200.00	1.68	236.96	1199.65	-18.18	-18.31	-18.09	25.81	225.20	0.10
1300.00	1.76	233.85	1299.61	-19.89	-20.78	-19.79	28.77	226.25	0.12
1400.00	2.00	226.65	1399.55	-22.00	-23.29	-21.88	32.04	226.64	0.33
1500.00	1.69	229.99	1499.50	-24.14	-25.68	-24.01	35.25	226.78	0.33
1600.00	1.64	219.06	1599.46	-26.19	-27.71	-26.06	38.13	226.61	0.32
1700.00	1.64	233.59	1699.42	-28.15	-29.77	-28.01	40.97	226.59	0.41
1800.00	1.45	211.79	1799.38	-30.08	-31.59	-29.93	43.62	226.40	0.61
1900.00	0.74	214.81	1899.36	-31.69	-32.62	-31.53	45.48	225.83	0.71

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
2000.00	0.56	195.23	1999.36	-32.69	-33.12	-32.53	46.54	225.37	0.29
2100.00	0.46	131.43	2099.35	-33.42	-32.95	-33.26	46.93	224.59	0.54
2200.00	0.29	1.14	2199.35	-33.43	-32.64	-33.27	46.73	224.32	0.69
2300.00	0.79	47.45	2299.35	-32.71	-32.13	-32.56	45.85	224.49	0.62
2400.00	2.06	34.80	2399.32	-30.78	-30.60	-30.63	43.40	224.84	1.30
2500.00	3.08	82.53	2499.22	-28.95	-26.91	-28.82	39.53	222.91	2.28
2600.00	1.41	69.79	2599.15	-28.18	-23.09	-28.06	36.43	219.34	1.74
2700.00	3.82	67.18	2699.03	-26.46	-18.87	-26.37	32.50	215.50	2.41
2800.00	2.88	70.01	2798.86	-24.31	-13.44	-24.25	27.78	208.93	0.95
2900.00	3.21	67.39	2898.72	-22.38	-8.49	-22.33	23.93	200.78	0.35
3000.00	2.59	72.40	2998.59	-20.62	-3.75	-20.60	20.95	190.32	0.67
3100.00	1.71	69.49	3098.52	-19.41	-0.20	-19.41	19.41	180.59	0.88
3200.00	1.21	66.29	3198.49	-18.46	2.17	-18.47	18.59	173.30	0.51
3300.00	1.33	56.49	3298.46	-17.40	4.10	-17.41	17.87	166.73	0.25
3400.00	1.15	45.26	3398.44	-16.05	5.79	-16.07	17.06	160.17	0.30
3500.00	1.16	96.23	3498.42	-15.45	7.50	-15.48	17.17	154.10	0.99
3600.00	2.54	121.96	3598.37	-16.73	10.38	-16.78	19.69	148.18	1.58
3700.00	3.79	117.67	3698.21	-19.43	15.19	-19.51	24.67	141.99	1.28
3800.00	4.86	109.84	3797.93	-22.41	22.10	-22.52	31.47	135.40	1.21
3900.00	5.65	99.07	3897.51	-24.62	30.94	-24.77	39.54	128.51	1.26
4000.00	5.27	93.67	3997.06	-25.69	40.39	-25.89	47.87	122.46	0.64
4100.00	3.27	86.37	4096.78	-25.80	47.82	-26.04	54.34	118.35	2.07
4200.00	2.23	99.34	4196.66	-25.94	52.58	-26.20	58.63	116.26	1.20
4300.00	1.65	104.89	4296.60	-26.63	55.89	-26.90	61.91	115.47	0.60
4400.00	1.57	107.26	4396.56	-27.40	58.60	-27.69	64.69	115.06	0.11
4500.00	1.27	112.20	4496.53	-28.23	60.93	-28.52	67.15	114.86	0.32
4600.00	1.12	98.38	4596.51	-28.79	62.92	-29.09	69.19	114.59	0.32
4700.00	1.32	92.40	4696.49	-28.98	65.03	-29.30	71.20	114.02	0.23
4800.00	1.49	96.38	4796.46	-29.17	67.48	-29.50	73.51	113.38	0.20
4900.00	1.67	92.14	4896.42	-29.37	70.23	-29.71	76.12	112.69	0.21
5000.00	1.66	98.97	4996.38	-29.65	73.12	-30.01	78.90	112.07	0.20
5100.00	1.61	99.30	5096.34	-30.10	75.93	-30.47	81.68	111.63	0.05
5200.00	1.72	97.75	5196.30	-30.53	78.80	-30.92	84.50	111.18	0.12
5300.00	1.67	96.44	5296.25	-30.90	81.73	-31.30	87.37	110.71	0.06
5400.00	1.46	90.99	5396.21	-31.08	84.45	-31.49	89.99	110.21	0.26
5500.00	1.56	91.31	5496.18	-31.13	87.09	-31.56	92.49	109.67	0.10
5600.00	1.44	98.93	5596.15	-31.36	89.70	-31.80	95.02	109.27	0.23
5700.00	1.56	96.92	5696.11	-31.72	92.29	-32.17	97.59	108.97	0.13
5800.00	1.47	92.85	5796.08	-31.95	94.92	-32.41	100.16	108.60	0.14
5900.00	1.64	93.27	5896.04	-32.09	97.63	-32.57	102.77	108.20	0.17

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
6000.00	1.51	91.23	5996.00	-32.20	100.38	-32.69	105.42	107.79	0.14
6100.00	1.21	83.21	6095.97	-32.11	102.75	-32.61	107.65	107.35	0.36
6200.00	1.09	87.80	6195.95	-31.95	104.75	-32.46	109.51	106.96	0.15
6300.00	1.08	90.64	6295.93	-31.92	106.64	-32.44	111.31	106.66	0.05
6400.00	0.91	99.09	6395.92	-32.06	108.36	-32.58	113.00	106.48	0.22
6500.00	0.80	91.55	6495.91	-32.20	109.84	-32.74	114.46	106.34	0.15
6600.00	0.57	84.83	6595.90	-32.17	111.04	-32.72	115.60	106.16	0.25
6700.00	0.45	87.55	6695.90	-32.11	111.92	-32.66	116.44	106.01	0.12
6800.00	0.46	95.45	6795.89	-32.13	112.71	-32.68	117.20	105.91	0.06
6900.00	0.57	122.89	6895.89	-32.44	113.53	-33.00	118.07	105.95	0.27
7000.00	0.54	134.90	6995.89	-33.04	114.28	-33.60	118.96	106.13	0.12
7100.00	0.35	138.91	7095.88	-33.61	114.81	-34.17	119.63	106.31	0.19
7200.00	0.28	133.61	7195.88	-34.01	115.19	-34.57	120.10	106.45	0.07
7250.00	0.20	146.78	7245.88	-34.16	115.33	-34.73	120.28	106.50	0.20



VAUGHN ENERGY SERVICES
432-563-5444
GARDENDALE, TX
SURVEYOR: DUSTIN SKORUPPA
SHAQTUS 26 STATE COM 4H / API 30-015-40012



VES Survey Date: 06/03/2012



CENTRAL RECORDS

Weatherford

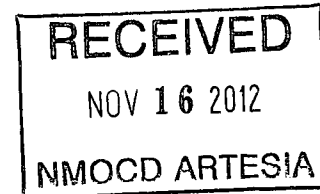
Evaluation, Drilling & Intervention
10000 West County Rd. 116
P.O. Box 61028
Midland, TX USA 79711
Tel. (432) 561-8892 Fax (432) 561-8895

Devon Energy
20 North Broadway
Oklahoma City, OK, 73102

Date: June 18, 2012

Attention: Eric Cogburn

Re: Devon Energy
Well: Shaqtus 26 State Com #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:

<u>Name & Title Of Surveyor</u>	<u>Well Number</u>	<u>Surveyed Depths</u>	<u>Dates Performed</u>	<u>Type of Survey</u>
Michael Lockhart MWD Supervisor	4H	7350' MD 13054' MD	6/2/2012 6/15/2012	Measurement While Drilling

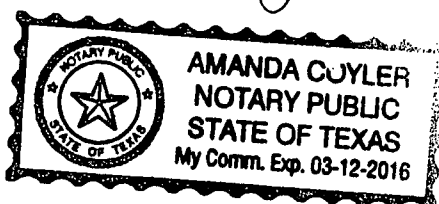
A notarized plan vs. actual is attached to the survey report. If any other information is required, please contact the undersigned at the letterhead address and phone number.

Jesus Aguilar
Area Manager

On this, the 21st day of June, 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.

Amanda Cuyler
Notary Public





Weatherford

WFT Survey Report X & Y's

**Weatherford**

Company: Devon Energy	Date: 6/14/2012	Time: 05:48:17	Page: 1
Field: Eddy Co., NM (NAD 83)	Co-ordinate(NE) Reference: Well: #4H, Grid North		
Site: Shaqtus 26 State Com 4H	Vertical (TVD) Reference: SITE 3572.0		
Well: #4H	Section (VS) Reference: Well (0.00N,0.00E,359.72Azi)		
Wellpath: 1	Survey Calculation Method: Minimum Curvature	Db: Sybase	

Survey: Wft Svy	Start Date: 6/5/2012
Company: Weatherford	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: Shaqtus 26 State Com 4H

Site Position:	Northing: 524818.36 ft	Latitude: 32 26 29.043 N
From: Map	Easting: 723707.33 ft	Longitude: 103 44 31.850 W
Position Uncertainty: 0.00 ft		North Reference: Grid
Ground Level: 3546.00 ft		Grid Convergence: 0.32 deg

Well: #4H	Slot Name:
Well Position: +N/-S 0.00 ft	Northing: 524818.36 ft
+E/-W 0.00 ft	Easting: 723707.33 ft
Position Uncertainty: 0.00 ft	Latitude: 32 26 29.043 N
	Longitude: 103 44 31.850 W

Wellpath: 1	Drilled From: Surface
Current Datum: SITE	Tie-on Depth: 0.00 ft
Magnetic Data: 7/15/2012	Above System Datum: Mean Sea Level
Field Strength: 48646 nT	Declination: 7.55 deg
Vertical Section: Depth From (TVD)	Mag Dip Angle: 60.33 deg
ft	+N/-S
ft	+E/-W
ft	Direction
ft	deg
0.00	0.00
0.00	0.00
0.00	359.72

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
7250.00	0.20	146.78	7245.88	-34.16	115.33	0.00	-34.72	524784.20	723822.66	Tie on VES First Wft Svy
7350.00	0.40	219.42	7345.88	-34.58	115.20	0.39	-35.14	524783.78	723822.53	
7446.00	0.81	28.60	7441.88	-34.24	115.32	1.26	-34.80	524784.12	723822.65	
7478.00	3.21	3.75	7473.86	-33.15	115.48	7.81	-33.71	524785.21	723822.81	
7509.00	6.59	358.00	7504.74	-30.50	115.48	11.00	-31.07	524787.86	723822.81	
7541.00	9.20	354.86	7536.43	-26.12	115.18	8.26	-26.68	524792.24	723822.51	
7572.00	10.59	358.38	7566.97	-20.80	114.88	4.89	-21.36	524797.56	723822.21	
7604.00	13.75	358.73	7598.25	-14.06	114.71	9.88	-14.62	524804.30	723822.04	
7635.00	16.94	359.16	7628.14	-5.86	114.57	10.30	-6.42	524812.50	723821.90	
7666.00	19.66	0.51	7657.57	3.87	114.55	8.88	3.31	524822.23	723821.88	
7697.00	22.49	0.98	7686.49	15.02	114.69	9.15	14.46	524833.38	723822.02	
7729.00	25.95	2.29	7715.67	28.14	115.08	10.94	27.58	524846.50	723822.41	
7760.00	28.91	1.99	7743.18	42.41	115.61	9.56	41.84	524860.77	723822.94	
7791.00	30.53	3.76	7770.10	57.76	116.39	5.94	57.19	524876.12	723823.72	
7823.00	33.62	2.98	7797.22	74.72	117.38	9.74	74.14	524893.08	723824.71	
7854.00	37.03	1.29	7822.51	92.62	118.04	11.44	92.05	524910.98	723825.37	
7885.00	40.52	358.92	7846.67	112.03	118.06	12.23	111.45	524930.39	723825.39	
7917.00	43.87	357.27	7870.38	133.51	117.33	11.03	132.93	524951.87	723824.66	
7948.00	46.65	355.78	7892.20	155.48	115.99	9.60	154.92	524973.84	723823.32	
7979.00	50.02	356.94	7912.80	178.59	114.53	11.22	178.03	524996.95	723821.86	
8011.00	53.39	358.39	7932.63	203.68	113.51	11.12	203.12	525022.04	723820.84	
8042.00	56.43	0.56	7950.45	229.04	113.29	11.36	228.48	525047.40	723820.62	
8073.00	59.39	0.98	7966.92	255.30	113.64	9.62	254.74	525073.66	723820.97	
8104.00	62.02	359.72	7982.08	282.33	113.80	9.19	281.77	525100.69	723821.13	



Weatherford

WFT Survey Report X & Y's

**Weatherford**

Company: Devon Energy
Field: Eddy Co., NM (NAD 83)
Site: Shaqtus 26 State Com 4H
Well: #4H
Wellpath: 1

Date: 6/14/2012 Time: 05:48:17 Page: 2
Co-ordinate(NE) Reference: Well: #4H, Grid North
Vertical (TVD) Reference: SITE 3572.0
Section (VS) Reference: Well (0.00N,0.00E,359.72Azi)
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
8136.00	63.81	358.75	7996.65	310.82	113.42	6.21	310.26	525129.18	723820.75	
8167.00	66.50	357.60	8009.68	338.93	112.52	9.31	338.38	525157.29	723819.85	
8199.00	68.34	356.75	8021.96	368.44	111.07	6.25	367.89	525186.80	723818.40	
8230.00	70.95	356.67	8032.75	397.45	109.40	8.42	396.91	525215.81	723816.73	
8261.00	73.15	356.77	8042.30	426.89	107.71	7.10	426.36	525245.25	723815.04	
8293.00	75.84	356.97	8050.85	457.68	106.03	8.43	457.16	525276.04	723813.36	
8324.00	77.99	357.41	8057.87	487.84	104.55	7.07	487.32	525306.20	723811.88	
8356.00	79.13	357.28	8064.22	519.17	103.10	3.58	518.66	525337.53	723810.43	
8387.00	80.62	357.64	8069.67	549.65	101.74	4.94	549.15	525368.01	723809.07	
8418.00	83.09	357.76	8074.06	580.32	100.51	7.98	579.82	525398.68	723807.84	
8440.00	85.55	359.23	8076.24	602.20	99.94	13.01	601.70	525420.56	723807.27	
8472.00	88.35	359.63	8077.94	634.15	99.62	8.84	633.65	525452.51	723806.95	
8534.00	89.27	359.58	8079.23	696.13	99.19	1.49	695.64	525514.49	723806.52	
8628.00	93.25	358.84	8077.16	790.08	97.90	4.31	789.59	525608.44	723805.23	
8722.00	91.64	357.92	8073.15	883.95	95.24	1.97	883.48	525702.31	723802.57	
8816.00	89.48	357.51	8072.23	977.87	91.49	2.34	977.41	525796.23	723798.82	
8909.00	89.69	357.48	8072.91	1070.78	87.43	0.23	1070.34	525889.14	723794.76	
9003.00	89.69	357.61	8073.41	1164.69	83.40	0.14	1164.27	525983.05	723790.73	
9097.00	89.97	357.81	8073.69	1258.61	79.65	0.37	1258.21	526076.97	723786.98	
9191.00	90.73	358.35	8073.12	1352.56	76.50	0.99	1352.17	526170.92	723783.83	
9285.00	90.38	358.23	8072.21	1446.51	73.69	0.39	1446.13	526264.87	723781.02	
9378.00	91.01	357.98	8071.08	1539.45	70.62	0.73	1539.09	526357.81	723777.95	
9472.00	91.57	358.26	8068.96	1633.38	67.54	0.67	1633.03	526451.74	723774.87	
9566.00	90.25	358.39	8067.47	1727.32	64.79	1.41	1726.99	526545.68	723772.12	
9660.00	90.24	358.60	8067.07	1821.29	62.32	0.22	1820.96	526639.65	723769.65	
9755.00	90.38	359.03	8066.55	1916.27	60.35	0.48	1915.95	526734.63	723767.68	
9849.00	90.52	359.17	8065.82	2010.25	58.88	0.21	2009.94	526828.61	723766.21	
9943.00	90.31	359.53	8065.14	2104.25	57.81	0.44	2103.94	526922.61	723765.14	
10037.00	91.29	0.18	8063.82	2198.23	57.57	1.25	2197.93	527016.59	723764.90	
10131.00	90.45	358.70	8062.40	2292.22	56.66	1.81	2291.91	527110.58	723763.99	
10225.00	88.22	357.39	8063.49	2386.15	53.45	2.75	2385.86	527204.51	723760.78	
10319.00	87.94	357.14	8066.64	2479.99	48.97	0.40	2479.72	527298.35	723756.30	
10413.00	91.99	358.48	8066.69	2573.90	45.37	4.54	2573.64	527392.26	723752.70	
10508.00	91.64	358.66	8063.68	2668.82	43.01	0.41	2668.58	527487.18	723750.34	
10602.00	92.41	358.93	8060.36	2762.74	41.03	0.87	2762.51	527581.10	723748.36	
10696.00	91.29	358.78	8057.33	2856.67	39.15	1.20	2856.44	527675.03	723746.48	
10790.00	91.44	357.82	8055.09	2950.60	36.36	1.03	2950.39	527768.96	723743.69	
10884.00	90.31	356.44	8053.65	3044.47	31.66	1.90	3044.28	527862.83	723738.99	
10978.00	89.13	356.22	8054.11	3138.27	25.64	1.28	3138.11	527956.63	723732.97	
11072.00	89.90	356.68	8054.91	3232.09	19.82	0.95	3231.95	528050.45	723727.15	
11166.00	88.64	357.76	8056.11	3325.97	15.26	1.77	3325.85	528144.33	723722.59	
11260.00	91.29	0.11	8056.16	3419.93	13.52	3.77	3419.83	528238.29	723720.85	
11354.00	92.28	0.83	8053.24	3513.88	14.29	1.30	3513.77	528332.24	723721.62	
11448.00	89.97	359.59	8051.39	3607.86	14.63	2.79	3607.74	528426.22	723721.96	
11542.00	90.94	0.85	8050.64	3701.85	14.99	1.69	3701.73	528520.21	723722.32	
11636.00	90.45	2.11	8049.50	3795.81	17.42	1.44	3795.68	528614.17	723724.75	
11730.00	90.66	0.22	8048.59	3889.78	19.33	2.02	3889.64	528708.14	723726.66	
11824.00	91.78	0.60	8046.59	3983.76	20.00	1.26	3983.61	528802.12	723727.33	
11918.00	89.83	358.52	8045.27	4077.73	19.28	3.03	4077.59	528896.09	723726.61	
12012.00	90.17	358.49	8045.27	4171.70	16.83	0.36	4171.57	528990.06	723724.16	
12106.00	90.17	358.25	8044.99	4265.66	14.15	0.26	4265.54	529084.02	723721.48	
12201.00	90.38	358.99	8044.54	4360.63	11.87	0.81	4360.52	529178.99	723719.20	



Weatherford

WFT Survey Report X & Y's

**Weatherford**

Company: Devon Energy
Field: Eddy Co., NM (NAD 83)
Site: Shaqtus 26 State Com 4H
Well: #4H
Wellpath: 1

Date: 6/14/2012 Time: 05:48:17 Page: 3
Co-ordinate(NE) Reference: Well: #4H, Grid North
Vertical (TVD) Reference: SITE 3572.0
Section (VS) Reference: Well (0.00N,0.00E,359.72Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

Survey

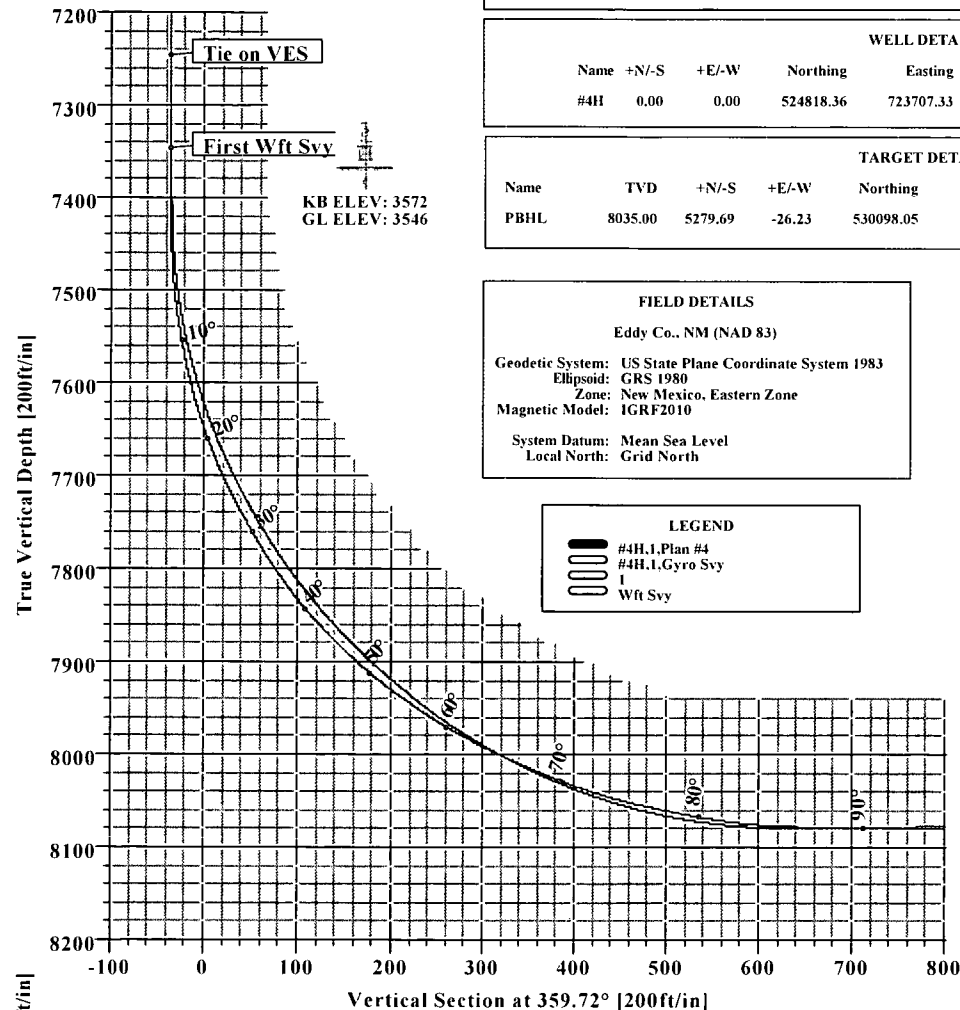
MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	DLS deg/100ft	VS ft	MapN ft	MapE ft	Comment
12295.00	90.94	359.41	8043.45	4454.62	10.55	0.74	4454.51	529272.98	723717.88	
12389.00	90.10	359.20	8042.60	4548.61	9.41	0.92	4548.51	529366.97	723716.74	
12483.00	89.90	359.37	8042.60	4642.60	8.24	0.28	4642.50	529460.96	723715.57	
12577.00	90.17	359.75	8042.54	4736.60	7.52	0.50	4736.50	529554.96	723714.85	
12671.00	89.97	359.89	8042.43	4830.60	7.22	0.26	4830.50	529648.96	723714.55	
12766.00	90.31	0.09	8042.20	4925.60	7.21	0.42	4925.50	529743.96	723714.54	
12860.00	89.97	359.85	8041.97	5019.60	7.16	0.44	5019.50	529837.96	723714.49	
12954.00	89.69	359.61	8042.25	5113.59	6.71	0.39	5113.50	529931.95	723714.04	
13048.00	90.80	359.77	8041.84	5207.59	6.21	1.19	5207.50	530025.95	723713.54	
13054.00	90.88	359.83	8041.76	5213.59	6.19	1.67	5213.50	530031.95	723713.52	Last Wft Svy
13120.00	90.88	359.83	8040.74	5279.58	5.99	0.00	5279.49	530097.94	723713.32	Proj. To Bit

Annotation

MD ft	TVD ft	
7250.00	7245.88	Tie on VES
7350.00	7345.88	First Wft Svy
13054.00	8041.76	Last Wft Svy
13120.00	8040.74	Proj. To Bit



Shaqtus 26 State Com 4H
Eddy Co., New Mexico



SECTION DETAILS											
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target	
1	7250.00	0.20	146.78	7245.88	-34.16	115.33	0.00	0.00	-34.72		
2	7417.00	0.20	358.47	7412.88	-33.58	115.31	0.00	0.00	-34.14		
3	8472.54	90.55	358.47	8079.86	641.99	97.32	8.56	0.00	641.51		
4	13112.10	90.55	358.47	8035.00	5279.69	-26.23	0.00	0.00	5279.76	PBHL	

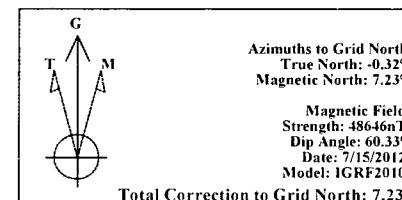
WELL DETAILS							
Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
#4H	0.00	0.00	524818.36	723707.33	32°26'29.043N	103°44'31.850W	N/A

TARGET DETAILS								
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
PBHL	8035.00	5279.69	-26.23	530098.05	723681.10	32°27'21.287N	103°44'31.815W	Point

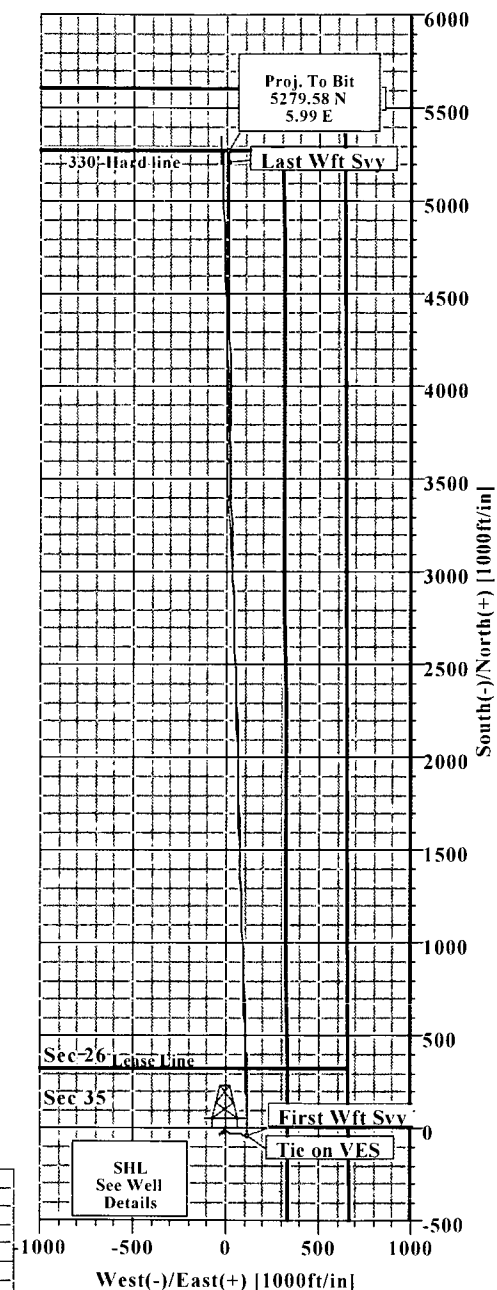
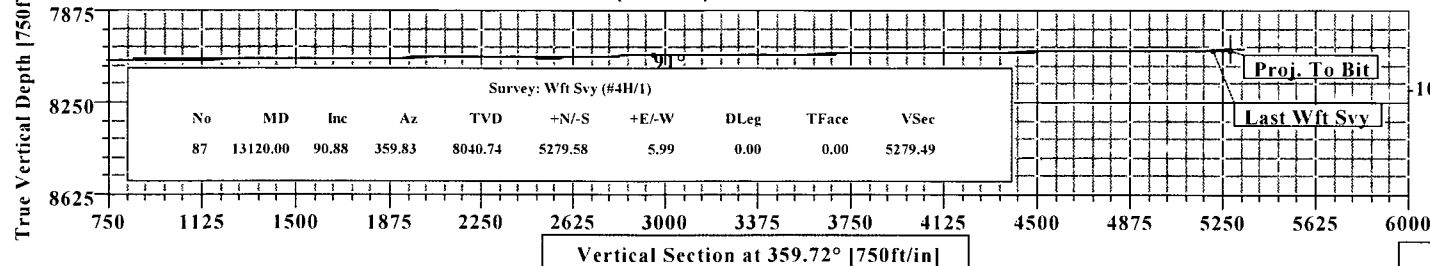
FIELD DETAILS	
Eddy Co., NM (NAD 83)	
Geodetic System:	US State Plane Coordinate System 1983
Ellipsoid:	GRS 1980
Zone:	New Mexico, Eastern Zone
Magnetic Model:	IGRF2010
System Datum:	Mean Sea Level
Local North:	Grid North

SITE DETAILS	
Shaqtus 26 State Com 4H	
Site Centre Northing:	524818.36
Easting:	723707.33
Ground Level:	3546.00
Positional Uncertainty:	0.00
Convergence:	0.32

LEGEND	
	#4H.1, Plan #4
	#4H.1, Gyro Svy
	Wft Svy



Weatherford





Weatherford[®]

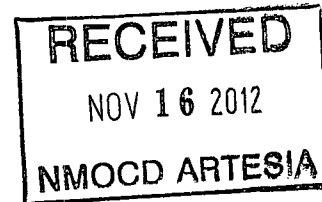
Evaluation, Drilling & Intervention
10000 West County Rd. 116
P.O. Box 61028
Midland, TX USA 79711
Tel. (432) 561-8892 Fax (432) 561-8895

Devon Energy
20 North Broadway
Oklahoma City, OK, 73102

Date: June 18, 2012

Attention: Eric Cogburn

Re: Devon Energy
Well: Shaqtus 26 State Com #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:

<u>Name & Title Of Surveyor</u>	<u>Well Number</u>	<u>Surveyed Depths</u>	<u>Dates Performed</u>	<u>Type of Survey</u>
Michael Lockhart MWD Supervisor	4H	7350' MD 13054' MD	6/2/2012 6/15/2012	Measurement While Drilling

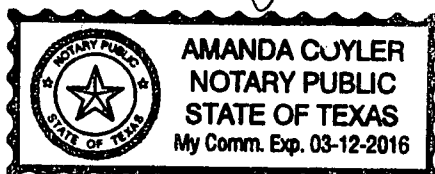
A notarized plan vs. actual is attached to the survey report. If any other information is required, please contact the undersigned at the letterhead address and phone number.

Jesus Aguilar
Area Manager

On this, the 21st day of June, 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





Weatherford

WFT Survey Report X & Y's



Company: Devon Energy	Date: 6/14/2012	Time: 05:48:17	Page: 1
Field: Eddy Co., NM (NAD 83)	Co-ordinate(NE) Reference: Well: #4H, Grid North		
Site: Shaqtus 26 State Com 4H	Vertical (TVD) Reference: SITE 3572.0		
Well: #4H	Section (VS) Reference: Well (0.00N,0.00E,359.72Azi)		
Wellpath: 1	Survey Calculation Method: Minimum Curvature	Db: Sybase	

Survey: Wft Svy	Start Date: 6/5/2012
Company: Weatherford	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: Shaqtus 26 State Com 4H

Site Position:	Northing: 524818.36 ft	Latitude: 32 26 29.043 N
From: Map	Easting: 723707.33 ft	Longitude: 103 44 31.850 W
Position Uncertainty: 0.00 ft		North Reference: Grid
Ground Level: 3546.00 ft		Grid Convergence: 0.32 deg

Well: #4H	Slot Name:	
Well Position: +N/-S 0.00 ft	Northing: 524818.36 ft	Latitude: 32 26 29.043 N
+E/-W 0.00 ft	Easting: 723707.33 ft	Longitude: 103 44 31.850 W
Position Uncertainty: 0.00 ft		

Wellpath: 1	Drilled From: Surface		
Current Datum: SITE	Tie-on Depth: 0.00 ft		
Magnetic Data: 7/15/2012	Above System Datum: Mean Sea Level		
Field Strength: 48646 nT	Declination: 7.55 deg		
Vertical Section: Depth From (TVD)	Mag Dip Angle: 60.33 deg		
ft	+N/-S	+E/-W	Direction
	ft	ft	deg
0.00	0.00	0.00	359.72

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
7250.00	0.20	146.78	7245.88	-34.16	115.33	0.00	-34.72	524784.20	723822.66	Tie on VES First Wft Svy
7350.00	0.40	219.42	7345.88	-34.58	115.20	0.39	-35.14	524783.78	723822.53	
7446.00	0.81	28.60	7441.88	-34.24	115.32	1.26	-34.80	524784.12	723822.65	
7478.00	3.21	3.75	7473.86	-33.15	115.48	7.81	-33.71	524785.21	723822.81	
7509.00	6.59	358.00	7504.74	-30.50	115.48	11.00	-31.07	524787.86	723822.81	
7541.00	9.20	354.86	7536.43	-26.12	115.18	8.26	-26.68	524792.24	723822.51	
7572.00	10.59	358.38	7566.97	-20.80	114.88	4.89	-21.36	524797.56	723822.21	
7604.00	13.75	358.73	7598.25	-14.06	114.71	9.88	-14.62	524804.30	723822.04	
7635.00	16.94	359.16	7628.14	-5.86	114.57	10.30	-6.42	524812.50	723821.90	
7666.00	19.66	0.51	7657.57	3.87	114.55	8.88	3.31	524822.23	723821.88	
7697.00	22.49	0.98	7686.49	15.02	114.69	9.15	14.46	524833.38	723822.02	
7729.00	25.95	2.29	7715.67	28.14	115.08	10.94	27.58	524846.50	723822.41	
7760.00	28.91	1.99	7743.18	42.41	115.61	9.56	41.84	524860.77	723822.94	
7791.00	30.53	3.76	7770.10	57.76	116.39	5.94	57.19	524876.12	723823.72	
7823.00	33.62	2.98	7797.22	74.72	117.38	9.74	74.14	524893.08	723824.71	
7854.00	37.03	1.29	7822.51	92.62	118.04	11.44	92.05	524910.98	723825.37	
7885.00	40.52	358.92	7846.67	112.03	118.06	12.23	111.45	524930.39	723825.39	
7917.00	43.87	357.27	7870.38	133.51	117.33	11.03	132.93	524951.87	723824.66	
7948.00	46.65	355.78	7892.20	155.48	115.99	9.60	154.92	524973.84	723823.32	
7979.00	50.02	356.94	7912.80	178.59	114.53	11.22	178.03	524996.95	723821.86	
8011.00	53.39	358.39	7932.63	203.68	113.51	11.12	203.12	525022.04	723820.84	
8042.00	56.43	0.56	7950.45	229.04	113.29	11.36	228.48	525047.40	723820.62	
8073.00	59.39	0.98	7966.92	255.30	113.64	9.62	254.74	525073.66	723820.97	
8104.00	62.02	359.72	7982.08	282.33	113.80	9.19	281.77	525100.69	723821.13	



Weatherford

WFT Survey Report X & Y's

**Weatherford**

Company: Devon Energy
Field: Eddy Co., NM (NAD 83)
Site: Shaqtus 26 State Com 4H
Well: #4H
Wellpath: 1

Date: 6/14/2012 Time: 05:48:17 Page: 2
Co-ordinate(NE) Reference: Well: #4H, Grid North
Vertical (TVD) Reference: SITE 3572.0
Section (VS) Reference: Well (0.00N,0.00E,359.72Azi)
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
8136.00	63.81	358.75	7996.65	310.82	113.42	6.21	310.26	525129.18	723820.75	
8167.00	66.50	357.60	8009.68	338.93	112.52	9.31	338.38	525157.29	723819.85	
8199.00	68.34	356.75	8021.96	368.44	111.07	6.25	367.89	525186.80	723818.40	
8230.00	70.95	356.67	8032.75	397.45	109.40	8.42	396.91	525215.81	723816.73	
8261.00	73.15	356.77	8042.30	426.89	107.71	7.10	426.36	525245.25	723815.04	
8293.00	75.84	356.97	8050.85	457.68	106.03	8.43	457.16	525276.04	723813.36	
8324.00	77.99	357.41	8057.87	487.84	104.55	7.07	487.32	525306.20	723811.88	
8356.00	79.13	357.28	8064.22	519.17	103.10	3.58	518.66	525337.53	723810.43	
8387.00	80.62	357.64	8069.67	549.65	101.74	4.94	549.15	525368.01	723809.07	
8418.00	83.09	357.76	8074.06	580.32	100.51	7.98	579.82	525398.68	723807.84	
8440.00	85.55	359.23	8076.24	602.20	99.94	13.01	601.70	525420.56	723807.27	
8472.00	88.35	359.63	8077.94	634.15	99.62	8.84	633.65	525452.51	723806.95	
8534.00	89.27	359.58	8079.23	696.13	99.19	1.49	695.64	525514.49	723806.52	
8628.00	93.25	358.84	8077.16	790.08	97.90	4.31	789.59	525608.44	723805.23	
8722.00	91.64	357.92	8073.15	883.95	95.24	1.97	883.48	525702.31	723802.57	
8816.00	89.48	357.51	8072.23	977.87	91.49	2.34	977.41	525796.23	723798.82	
8909.00	89.69	357.48	8072.91	1070.78	87.43	0.23	1070.34	525889.14	723794.76	
9003.00	89.69	357.61	8073.41	1164.69	83.40	0.14	1164.27	525983.05	723790.73	
9097.00	89.97	357.81	8073.69	1258.61	79.65	0.37	1258.21	526076.97	723786.98	
9191.00	90.73	358.35	8073.12	1352.56	76.50	0.99	1352.17	526170.92	723783.83	
9285.00	90.38	358.23	8072.21	1446.51	73.69	0.39	1446.13	526264.87	723781.02	
9378.00	91.01	357.98	8071.08	1539.45	70.62	0.73	1539.09	526357.81	723777.95	
9472.00	91.57	358.26	8068.96	1633.38	67.54	0.67	1633.03	526451.74	723774.87	
9566.00	90.25	358.39	8067.47	1727.32	64.79	1.41	1726.99	526545.68	723772.12	
9660.00	90.24	358.60	8067.07	1821.29	62.32	0.22	1820.96	526639.65	723769.65	
9755.00	90.38	359.03	8066.55	1916.27	60.35	0.48	1915.95	526734.63	723767.68	
9849.00	90.52	359.17	8065.82	2010.25	58.88	0.21	2009.94	526828.61	723766.21	
9943.00	90.31	359.53	8065.14	2104.25	57.81	0.44	2103.94	526922.61	723765.14	
10037.00	91.29	0.18	8063.82	2198.23	57.57	1.25	2197.93	527016.59	723764.90	
10131.00	90.45	358.70	8062.40	2292.22	56.66	1.81	2291.91	527110.58	723763.99	
10225.00	88.22	357.39	8063.49	2386.15	53.45	2.75	2385.86	527204.51	723760.78	
10319.00	87.94	357.14	8066.64	2479.99	48.97	0.40	2479.72	527298.35	723756.30	
10413.00	91.99	358.48	8066.69	2573.90	45.37	4.54	2573.64	527392.26	723752.70	
10508.00	91.64	358.66	8063.68	2668.82	43.01	0.41	2668.58	527487.18	723750.34	
10602.00	92.41	358.93	8060.36	2762.74	41.03	0.87	2762.51	527581.10	723748.36	
10696.00	91.29	358.78	8057.33	2856.67	39.15	1.20	2856.44	527675.03	723746.48	
10790.00	91.44	357.82	8055.09	2950.60	36.36	1.03	2950.39	527768.96	723743.69	
10884.00	90.31	356.44	8053.65	3044.47	31.66	1.90	3044.28	527862.83	723738.99	
10978.00	89.13	356.22	8054.11	3138.27	25.64	1.28	3138.11	527956.63	723732.97	
11072.00	89.90	356.68	8054.91	3232.09	19.82	0.95	3231.95	528050.45	723727.15	
11166.00	88.64	357.76	8056.11	3325.97	15.26	1.77	3325.85	528144.33	723722.59	
11260.00	91.29	0.11	8056.16	3419.93	13.52	3.77	3419.83	528238.29	723720.85	
11354.00	92.28	0.83	8053.24	3513.88	14.29	1.30	3513.77	528332.24	723721.62	
11448.00	89.97	359.59	8051.39	3607.86	14.63	2.79	3607.74	528426.22	723721.96	
11542.00	90.94	0.85	8050.64	3701.85	14.99	1.69	3701.73	528520.21	723722.32	
11636.00	90.45	2.11	8049.50	3795.81	17.42	1.44	3795.68	528614.17	723724.75	
11730.00	90.66	0.22	8048.59	3889.78	19.33	2.02	3889.64	528708.14	723726.66	
11824.00	91.78	0.60	8046.59	3983.76	20.00	1.26	3983.61	528802.12	723727.33	
11918.00	89.83	358.52	8045.27	4077.73	19.28	3.03	4077.59	528896.09	723726.61	
12012.00	90.17	358.49	8045.27	4171.70	16.83	0.36	4171.57	528990.06	723724.16	
12106.00	90.17	358.25	8044.99	4265.66	14.15	0.26	4265.54	529084.02	723721.48	
12201.00	90.38	358.99	8044.54	4360.63	11.87	0.81	4360.52	529178.99	723719.20	



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WFT Survey Report X & Y's

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Company: Devon Energy
Field: Eddy Co., NM (NAD 83)
Site: Shaqtus 26 State Com 4H
Well: #4H
Wellpath: 1

Date: 6/14/2012 Time: 05:48:17 Page: 3
Co-ordinate(NE) Reference: Well: #4H, Grid North
Vertical (TVD) Reference: SITE 3572.0
Section (VS) Reference: Well (0.00N,0.00E,359.72Azi)
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
12295.00	90.94	359.41	8043.45	4454.62	10.55	0.74	4454.51	529272.98	723717.88	
12389.00	90.10	359.20	8042.60	4548.61	9.41	0.92	4548.51	529366.97	723716.74	
12483.00	89.90	359.37	8042.60	4642.60	8.24	0.28	4642.50	529460.96	723715.57	
12577.00	90.17	359.75	8042.54	4736.60	7.52	0.50	4736.50	529554.96	723714.85	
12671.00	89.97	359.89	8042.43	4830.60	7.22	0.26	4830.50	529648.96	723714.55	
12766.00	90.31	0.09	8042.20	4925.60	7.21	0.42	4925.50	529743.96	723714.54	
12860.00	89.97	359.85	8041.97	5019.60	7.16	0.44	5019.50	529837.96	723714.49	
12954.00	89.69	359.61	8042.25	5113.59	6.71	0.39	5113.50	529931.95	723714.04	
13048.00	90.80	359.77	8041.84	5207.59	6.21	1.19	5207.50	530025.95	723713.54	
13054.00	90.88	359.83	8041.76	5213.59	6.19	1.67	5213.50	530031.95	723713.52	Last Wft Svy
13120.00	90.88	359.83	8040.74	5279.58	5.99	0.00	5279.49	530097.94	723713.32	Proj. To Bit

Annotation

MD ft	TVD ft	
7250.00	7245.88	Tie on VES
7350.00	7345.88	First Wft Svy
13054.00	8041.76	Last Wft Svy
13120.00	8040.74	Proj. To Bit

devon
Shaqtus 26 State Com 4H
Eddy Co., New Mexico

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	7250.00	0.20	146.78	7245.88	-34.16	115.33	0.00	0.00	-34.72	
2	7417.00	0.20	358.47	7412.88	-33.58	115.31	0.00	0.00	-34.14	
3	8472.54	90.55	358.47	8079.86	641.99	97.32	8.56	0.00	641.51	
4	13112.10	90.55	358.47	8035.00	5279.69	-26.23	0.00	0.00	5279.76	PBHL

WELL DETAILS

Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
#4H	0.00	0.00	524818.36	723707.33	32°26'29.043N	103°44'31.850W	N/A

TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
PBHL	8035.00	5279.69	-26.23	530098.05	723681.10	32°27'21.287N	103°44'31.815W	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

Shaqtus 26 State Com 4H

Site Centre Northing: 524818.36
Easting: 723707.33

Ground Level: 3546.00
Positional Uncertainty: 0.00
Convergence: 0.32

LEGEND

- #4H.1. Plan #4
- #4H.1. Gyro Svy
- 1
- Wft Svy



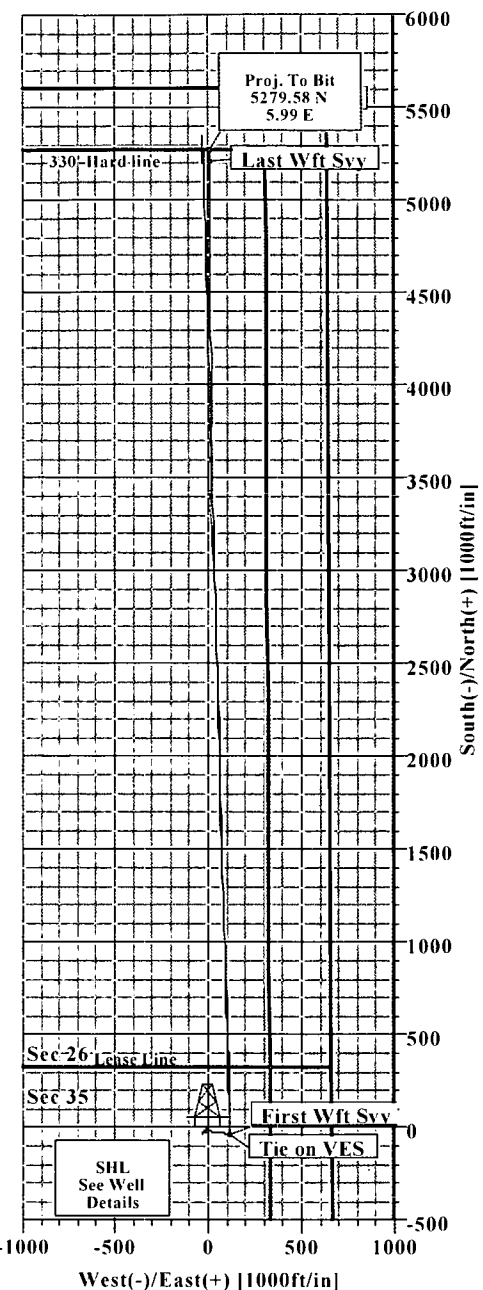
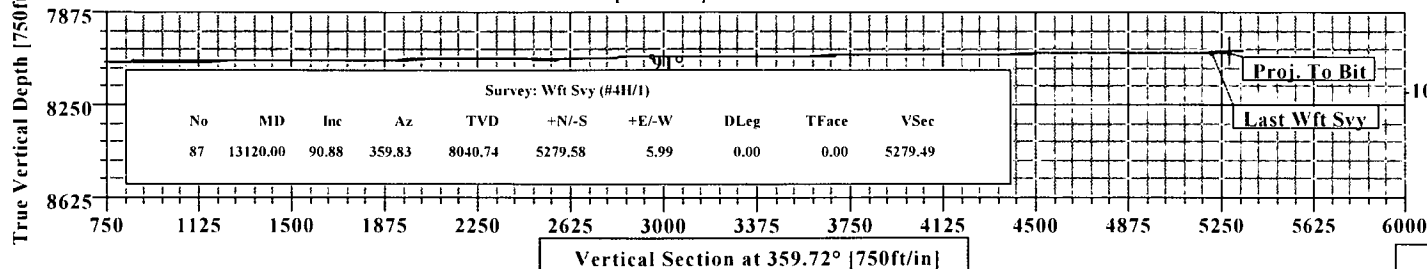
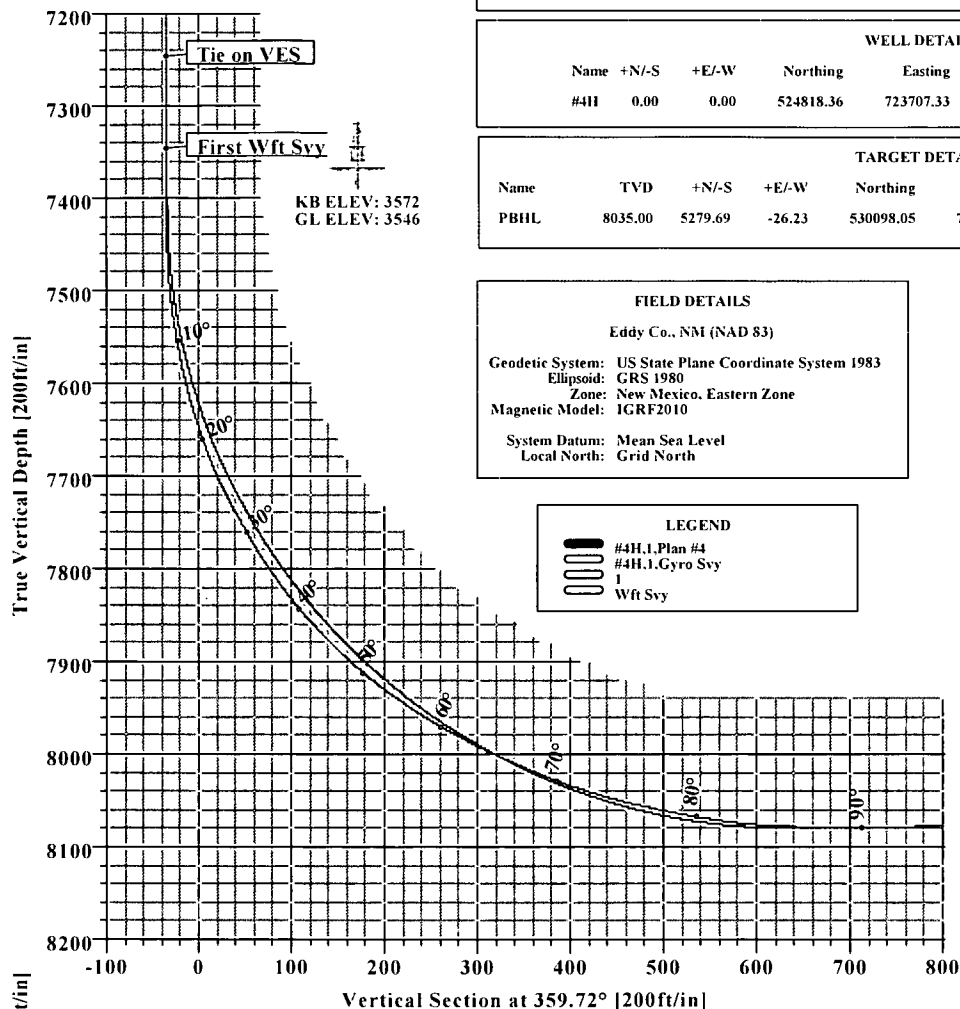
Azimuths to Grid North
True North: -0.32°
Magnetic North: 7.23°

Magnetic Field
Strength: 48646nT
Dip Angle: 60.33°
Date: 7/15/2012
Model: IGRF2010

Total Correction to Grid North: 7.23°



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Survey: Wft Svy (#4H/1)

Created By: Russell W. Joyner

Date: 6/14/2012