



A GYRO TECHNOLOGIES INC. COMPANY

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

30 015 40221

January 4, 2013

Devon Energy Production Company
333 West Sheridan Ave
Oklahoma City, Oklahoma 73102-5010

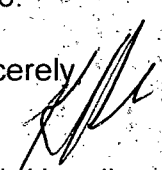
Attn: Patti Riechers

Re: **Regulus 26 Fed No 003H**

Please find enclosed a copy of the survey from 0' to 8,578' 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,

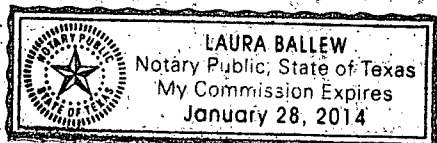

Keith Havelka
Operations

STATE OF TEXAS §
 §
COUNTY OF NUECES §

This instrument was acknowledged before me on the 4th day of January
A.D., 2013, by Keith Havelka.



Laura Ballew
Notary Public, State of Texas





Company: Devon Energy Production Co., LP

Lease/Well: Regulus 26 Fed/No 003H

Rig Name: McVay 10

State/County: New Mexico/Eddy

Latitude: 32.63, Longitude: -103.83

GRID North is 0.27 Degrees East of True North

VS-Azi: 0.00 Degrees



Depth Reference : RKB = 20 Ft

DRILLOG HA GYRO SURVEY CALCULATIONS

Filename: final.ut

Minimum Curvature Method

Report Date/Time: 1/4/2013 / 09:06

Vaughn Energy Services

Fort Worth, Texas

817-741-3610

Surveyor: Jay Carroll

Regulus 26 Fed No 003H / API 30-015-40221

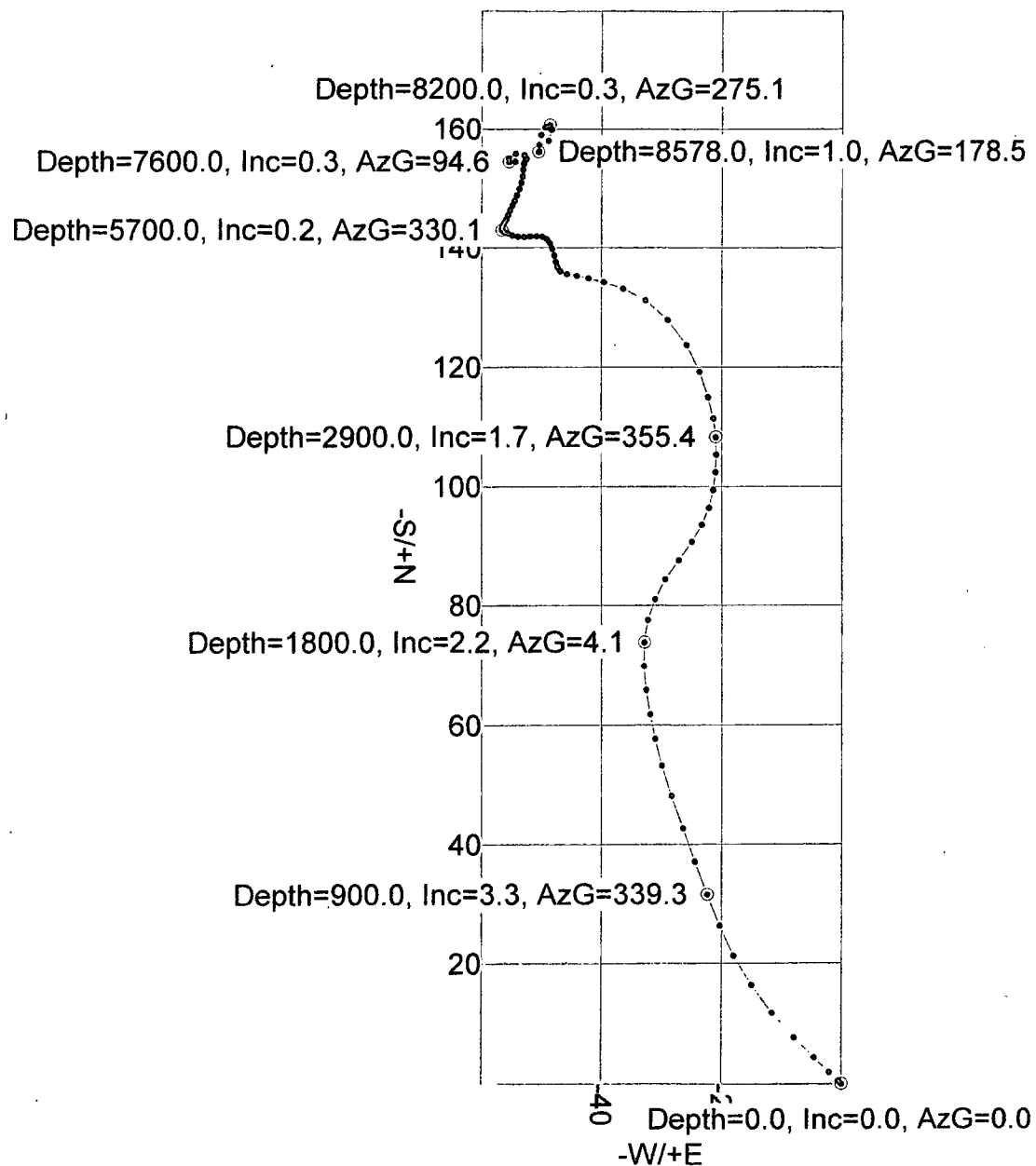
Measured Depth FT	Incl Angle Deg	Drift Direction Deg	TVD FT	+N/-S FT	+E/-W FT	Vertical Section FT	Closure Distance FT	Closure Direction Deg	Dogleg Severity Deg/100
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	****
100.00	0.81	312.96	100.00	0.48	-0.52	0.48	0.71	312.96	0.81
200.00	1.65	313.79	199.97	1.97	-2.08	1.97	2.86	313.38	0.84
300.00	2.36	314.21	299.91	4.40	-4.60	4.40	6.36	313.74	0.70
400.00	3.06	314.62	399.80	7.71	-7.97	7.71	11.09	314.04	0.70
500.00	3.23	320.50	499.65	11.76	-11.67	11.76	16.56	315.23	0.36
600.00	3.40	326.38	599.48	16.40	-15.10	16.40	22.29	317.37	0.38
700.00	3.26	332.11	699.31	21.38	-18.07	21.38	28.00	319.80	0.36
800.00	3.12	337.85	799.16	26.41	-20.43	26.41	33.39	322.29	0.35
900.00	3.29	339.32	899.00	31.61	-22.46	31.61	38.78	324.61	0.19
1000.00	3.45	340.79	998.83	37.14	-24.47	37.14	44.47	326.63	0.19
1100.00	3.36	340.58	1098.65	42.75	-26.43	42.75	50.26	328.27	0.09
1200.00	3.27	340.37	1198.48	48.20	-28.36	48.20	55.93	329.52	0.09
1300.00	2.86	344.32	1298.34	53.29	-30.00	53.29	61.15	330.62	0.46
1400.00	2.45	348.27	1398.23	57.78	-31.10	57.78	65.62	331.70	0.45
1500.00	2.38	349.74	1498.15	61.92	-31.91	61.92	69.65	332.73	0.09
1600.00	2.32	351.21	1598.06	65.96	-32.59	65.96	73.57	333.71	0.09
1700.00	2.28	357.66	1697.98	69.95	-32.98	69.95	77.34	334.76	0.26
1800.00	2.24	4.10	1797.90	73.89	-32.92	73.89	80.90	335.99	0.26

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	2.16	13.95	1897.83	77.67	-32.33	77.67	84.13	337.40	0.39
2000.00	2.07	23.80	1997.76	81.15	-31.15	81.15	86.92	339.00	0.37
2100.00	2.20	30.87	2097.69	84.45	-29.43	84.45	89.43	340.78	0.29
2200.00	2.32	37.94	2197.62	87.69	-27.21	87.69	91.81	342.76	0.30
2300.00	2.05	32.42	2297.54	90.79	-25.01	90.79	94.17	344.60	0.34
2400.00	1.77	26.91	2397.49	93.68	-23.35	93.68	96.54	346.00	0.33
2500.00	1.77	17.70	2497.44	96.52	-22.18	96.52	99.04	347.06	0.28
2600.00	1.76	8.49	2597.39	99.51	-21.49	99.51	101.80	347.82	0.28
2700.00	1.69	4.86	2697.35	102.49	-21.14	102.49	104.65	348.35	0.13
2800.00	1.63	1.22	2797.31	105.38	-20.98	105.38	107.45	348.74	0.12
2900.00	1.75	355.37	2897.26	108.32	-21.07	108.32	110.35	348.99	0.21
3000.00	1.87	349.52	2997.21	111.45	-21.49	111.45	113.50	349.08	0.22
3100.00	2.34	344.68	3097.14	115.02	-22.33	115.02	117.17	349.01	0.50
3200.00	2.81	339.83	3197.04	119.29	-23.71	119.29	121.63	348.76	0.52
3300.00	2.96	328.91	3296.92	123.80	-25.89	123.80	126.48	348.19	0.57
3400.00	3.10	317.99	3396.78	128.02	-29.03	128.02	131.27	347.22	0.59
3500.00	2.65	303.98	3496.65	131.32	-32.76	131.32	135.34	345.99	0.83
3600.00	2.19	289.98	3596.57	133.26	-36.47	133.26	138.16	344.70	0.74
3700.00	1.72	286.39	3696.51	134.34	-39.70	134.34	140.08	343.54	0.48
3800.00	1.25	282.79	3796.47	135.00	-42.21	135.00	141.45	342.64	0.48
3900.00	1.04	280.54	3896.45	135.41	-44.17	135.41	142.43	341.94	0.21
4000.00	0.84	278.28	3996.44	135.68	-45.79	135.68	143.20	341.35	0.21
4100.00	0.62	313.52	4096.43	136.16	-46.90	136.16	144.02	340.99	0.49
4200.00	0.41	344.75	4196.43	136.88	-47.39	136.88	144.86	340.90	0.35
4300.00	0.57	346.94	4296.42	137.71	-47.60	137.71	145.71	340.93	0.16
4400.00	0.73	345.12	4396.42	138.82	-47.88	138.82	146.84	340.97	0.16
4500.00	0.61	339.95	4496.41	139.94	-48.22	139.94	148.02	340.99	0.14
4600.00	0.49	334.77	4596.41	140.83	-48.59	140.83	148.98	340.96	0.13
4700.00	0.51	309.24	4696.40	141.50	-49.12	141.50	149.78	340.86	0.22
4800.00	0.53	283.71	4796.40	141.89	-49.92	141.89	150.42	340.62	0.23
4900.00	0.57	273.10	4896.39	142.03	-50.87	142.03	150.86	340.30	0.11
5000.00	0.61	262.48	4996.39	141.99	-51.90	141.99	151.17	339.92	0.12
5100.00	0.59	269.29	5096.38	141.91	-52.94	141.91	151.47	339.54	0.07
5200.00	0.57	276.10	5196.38	141.96	-53.96	141.96	151.87	339.19	0.07
5300.00	0.50	286.87	5296.37	142.14	-54.87	142.14	152.36	338.89	0.12
5400.00	0.43	297.64	5396.37	142.44	-55.62	142.44	152.92	338.67	0.11
5500.00	0.26	288.18	5496.37	142.68	-56.17	142.68	153.34	338.51	0.18
5600.00	0.08	289.72	5596.37	142.78	-56.45	142.78	153.53	338.43	0.17
5700.00	0.24	330.13	5696.37	142.99	-56.62	142.99	153.79	338.40	0.19

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	0.40	21.54	5796.37	143.50	-56.60	143.50	154.26	338.47	0.31
5900.00	0.29	26.01	5896.36	144.05	-56.36	144.05	154.69	338.63	0.11
6000.00	0.18	30.48	5996.36	144.42	-56.17	144.42	154.96	338.75	0.11
6100.00	0.35	27.39	6096.36	144.83	-55.94	144.83	155.26	338.88	0.17
6200.00	0.53	24.29	6196.36	145.53	-55.61	145.53	155.79	339.09	0.17
6300.00	0.50	24.27	6296.35	146.35	-55.24	146.35	156.43	339.32	0.02
6400.00	0.48	24.25	6396.35	147.13	-54.89	147.13	157.04	339.54	0.02
6500.00	0.56	23.26	6496.35	147.96	-54.52	147.96	157.69	339.77	0.08
6600.00	0.64	22.27	6596.34	148.93	-54.12	148.93	158.45	340.03	0.08
6700.00	0.64	18.66	6696.34	149.97	-53.73	149.97	159.30	340.29	0.04
6800.00	0.64	15.04	6796.33	151.04	-53.41	151.04	160.20	340.53	0.04
6900.00	0.64	7.89	6896.32	152.13	-53.19	152.13	161.15	340.73	0.08
7000.00	0.64	0.73	6996.32	153.23	-53.10	153.23	162.17	340.89	0.08
7100.00	0.52	17.85	7096.31	154.22	-52.96	154.22	163.06	341.05	0.21
7200.00	0.40	34.98	7196.31	154.94	-52.62	154.94	163.63	341.24	0.18
7300.00	0.76	312.60	7296.30	155.68	-52.90	155.68	164.42	341.23	0.81
7400.00	1.12	258.23	7396.29	155.93	-54.35	155.93	165.13	340.78	0.92
7500.00	0.71	198.39	7496.28	155.14	-55.51	155.14	164.77	340.31	0.98
7600.00	0.30	94.55	7596.28	154.53	-55.44	154.53	164.17	340.26	0.84
7700.00	0.85	82.96	7696.27	154.60	-54.45	154.60	163.90	340.60	0.55
7800.00	1.39	71.36	7796.25	155.07	-52.57	155.07	163.74	341.27	0.58
7900.00	1.42	51.50	7896.22	156.23	-50.45	156.23	164.17	342.10	0.48
8000.00	1.44	29.64	7996.19	158.09	-48.86	158.09	165.47	342.82	0.54
8100.00	0.88	355.36	8096.17	159.96	-48.30	159.96	167.09	343.20	0.87
8200.00	0.32	275.08	8196.17	160.75	-48.64	160.75	167.95	343.16	0.89
8300.00	0.71	233.52	8296.17	160.41	-49.42	160.41	167.85	342.88	0.52
8400.00	1.10	191.95	8396.15	159.10	-50.12	159.10	166.80	342.51	0.74
8500.00	0.83	191.69	8496.14	157.45	-50.47	157.45	165.34	342.23	0.27
8578.00	1.00	178.48	8574.13	156.22	-50.56	156.22	164.20	342.07	0.35



Vaughn Energy Services
Fort Worth, Texas
817-741-3610
Surveyor: Jay Carroll
Regulus 26 Fed No 003H / API 30-015-40221



VES Survey Date: 12/24/2012



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
333 W. Sherridan Ave
Oklahoma City, OK, 73102

Date: January 3, 2013

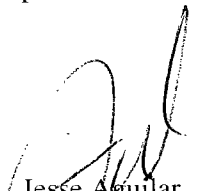
Attention: John Prejean

Re: Devon Energy
Well: Regulus 26 Federal 3H
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:

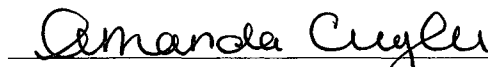
Name & Title Of Surveyor	Well Number	Surveyed Depths	Dates Performed	Type of Survey
Joe Rivera MWD Supervisor	3H	8650' MD 13452' MD	12/24/2012 1/1/2013	Measurement While Drilling

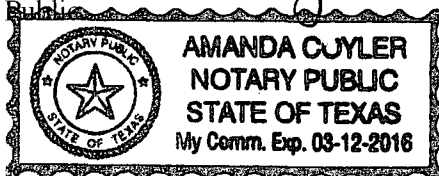
A notarized plan vs. actual is attached to the survey report. If any other information is required, please contact the undersigned at the letterhead address and phone number.


Jesse Aguilar
MWD Manager

On this, the 11th day of January, 2013, 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.

**Weatherford**

Company: Devon Energy	Date: 1/2/2013	Time: 05:37:25	Page: 1
Field: Eddy Co., NM (NAD 83)	Co-ordinate(NE) Reference: Well: Regulus 26 Federal 3H, Grid North		
Site: Regulus 26 Federal 3H	Vertical (TVD) Reference: SITE 3514.0		
Well: Regulus 26 Federal 3H	Section (VS) Reference: Well (0.00N,0.00E,269.64Azi)		
Wellpath: 1	Survey Calculation Method: Minimum Curvature Db: Sybase		

Survey: Wft Svy	Start Date: 12/28/2012
Company: Weatherford	Engineer: Russell W. Joyner
Tool: MWD/MWD - Standard	Tied-to: User Defined

Site: Regulus 26 Federal 3H

Site Position:	Northing: 592881.79 ft	Latitude: 32 37 43.966 N
From: Map	Easting: 695542.36 ft	Longitude: 103 49 56.774 W
Position Uncertainty: 0.00 ft		North Reference: Grid
Ground Level: 3494.00 ft		Grid Convergence: 0.27 deg

Well: Regulus 26 Federal 3H	Slot Name:	
Well Position: +N/-S 0.00 ft	Northing: 592881.79 ft	Latitude: 32 37 43.966 N
+E/-W 0.00 ft	Easting: 695542.36 ft	Longitude: 103 49 56.774 W
Position Uncertainty: 0.00 ft		

Wellpath: 1	Drilled From: Surface		
Current Datum: SITE	Tie-on Depth: 0.00 ft		
Magnetic Data: 12/15/2012	Above System Datum: Mean Sea Level		
Field Strength: 48707 nT	Declination: 7.55 deg		
Vertical Section: Depth From (TVD)	Mag Dip Angle: 60.48 deg		
ft	+E/-W	Direction	
	ft	deg	
0.00	0.00	0.00	269.64

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
8578.00	1.00	178.48	8574.13	156.22	-50.56	0.00	49.58	593038.01	695491.80	Tie On VES First Wft Svy
8650.00	1.04	194.52	8646.12	154.96	-50.71	0.40	49.73	593036.75	695491.65	
8681.00	3.81	251.40	8677.09	154.36	-51.75	10.83	50.78	593036.15	695490.61	
8713.00	7.86	258.21	8708.92	153.57	-54.91	12.82	53.94	593035.36	695487.45	
8744.00	11.65	263.30	8739.47	152.77	-60.09	12.53	59.13	593034.56	695482.27	
8776.00	14.77	266.90	8770.61	152.18	-67.37	10.08	66.42	593033.97	695474.99	
8807.00	17.49	264.32	8800.39	151.50	-75.96	9.07	75.00	593033.29	695466.40	
8839.00	20.14	261.90	8830.68	150.25	-86.20	8.63	85.25	593032.04	695456.16	
8870.00	22.99	262.00	8859.51	148.65	-97.48	9.19	96.54	593030.44	695444.88	
8902.00	26.05	264.28	8888.62	147.08	-110.66	10.01	109.74	593028.87	695431.70	
8933.00	28.72	266.32	8916.14	145.93	-124.87	9.13	123.95	593027.72	695417.49	
8965.00	31.49	266.54	8943.82	144.93	-140.89	8.66	139.98	593026.72	695401.47	
8996.00	33.75	265.91	8969.93	143.83	-157.56	7.37	156.66	593025.62	695384.80	
9028.00	36.18	266.32	8996.15	142.58	-175.86	7.63	174.96	593024.37	695366.50	
9059.00	38.28	267.18	9020.84	141.53	-194.58	6.98	193.69	593023.32	695347.78	
9091.00	41.35	266.94	9045.41	140.47	-215.04	9.61	214.16	593022.26	695327.32	
9122.00	43.73	266.51	9068.25	139.27	-235.97	7.73	235.09	593021.06	695306.39	
9153.00	46.84	266.63	9090.06	137.96	-257.95	10.04	257.08	593019.75	695284.41	
9185.00	49.49	267.35	9111.40	136.71	-281.76	8.45	280.89	593018.50	695260.60	
9216.00	52.85	268.27	9130.84	135.79	-305.89	11.08	305.03	593017.58	695236.47	
9248.00	55.15	268.20	9149.64	134.99	-331.76	7.19	330.91	593016.78	695210.60	
9279.00	58.40	268.46	9166.63	134.24	-357.68	10.51	356.83	593016.03	695184.68	
9311.00	61.17	269.84	9182.73	133.83	-385.33	9.42	384.48	593015.62	695157.03	
9342.00	64.94	269.99	9196.78	133.79	-412.96	12.17	412.11	593015.58	695129.40	
9374.00	67.39	269.48	9209.71	133.66	-442.22	7.79	441.37	593015.45	695100.14	
9405.00	70.15	268.12	9220.93	133.05	-471.11	9.80	470.26	593014.84	695071.25	
9436.00	72.87	267.32	9230.76	131.88	-500.48	9.11	499.64	593013.67	695041.88	
9468.00	75.87	266.60	9239.38	130.24	-531.25	9.62	530.42	593012.03	695011.11	
9499.00	78.38	265.84	9246.29	128.25	-561.40	8.44	560.59	593010.04	694980.96	
9531.00	81.79	265.79	9251.80	125.95	-592.84	10.66	592.03	593007.74	694949.52	



Weatherford

Wft Survey Report X Y's.



Weatherford

Company: Devon Energy
Field: Eddy Co., NM (NAD 83)
Site: Regulus 26 Federal 3H
Well: Regulus 26 Federal 3H
Wellpath: 1

Date: 1/2/2013 Time: 05:37:25 Page: 2
Co-ordinate(NE) Reference: Well: Regulus 26 Federal 3H, Grid North
Vertical (TVD) Reference: SITE 3514.0
Section (VS) Reference: Well (0.00N,0.00E,269.64Azi)
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
9562.00	83.83	266.00	9255.68	123.75	-623.51	6.61	622.72	593005.54	694918.85	
9594.00	86.85	265.62	9258.28	121.42	-655.32	9.51	654.54	593003.21	694887.04	
9625.00	87.76	265.64	9259.74	119.06	-686.19	2.94	685.43	593000.85	694856.17	
9657.00	87.90	265.51	9260.95	116.59	-718.08	0.60	717.33	592998.38	694824.28	
9688.00	87.97	265.64	9262.06	114.20	-748.96	0.48	748.23	592995.99	694793.40	
9783.00	88.11	266.19	9265.31	107.43	-843.67	0.60	842.97	592989.22	694698.69	
9877.00	89.79	266.25	9267.04	101.24	-937.44	1.79	936.79	592983.03	694604.92	
9971.00	91.82	266.82	9265.71	95.56	-1031.26	2.24	1030.64	592977.35	694511.10	
10066.00	92.24	267.73	9262.35	91.05	-1126.09	1.05	1125.49	592972.84	694416.27	
10160.00	92.38	268.46	9258.56	87.92	-1219.96	0.79	1219.38	592969.71	694322.40	
10255.00	92.52	269.05	9254.50	85.86	-1314.85	0.64	1314.28	592967.65	694227.51	
10349.00	92.66	269.64	9250.25	84.79	-1408.75	0.64	1408.19	592966.58	694133.61	
10443.00	92.94	270.12	9245.66	84.59	-1502.63	0.59	1502.07	592966.38	694039.73	
10538.00	90.56	269.07	9242.76	83.92	-1597.58	2.74	1597.02	592965.71	693944.78	
10632.00	89.44	268.91	9242.76	82.26	-1691.56	1.20	1691.01	592964.05	693850.80	
10727.00	90.14	269.51	9243.11	80.95	-1786.55	0.97	1786.01	592962.74	693755.81	
10821.00	90.63	269.69	9242.48	80.30	-1880.55	0.56	1880.01	592962.09	693661.81	
10916.00	91.68	270.09	9240.56	80.11	-1975.53	1.18	1974.98	592961.90	693566.83	
11011.00	91.12	268.71	9238.24	79.12	-2070.49	1.57	2069.95	592960.91	693471.87	
11105.00	90.07	267.21	9237.26	75.77	-2164.42	1.95	2163.90	592957.56	693377.94	
11200.00	90.21	267.28	9237.03	71.21	-2259.31	0.16	2258.82	592953.00	693283.05	
11294.00	90.28	267.62	9236.63	67.02	-2353.22	0.37	2352.75	592948.81	693189.14	
11388.00	90.21	267.62	9236.23	63.12	-2447.14	0.07	2446.69	592944.91	693095.22	
11483.00	90.35	267.74	9235.76	59.28	-2542.06	0.19	2541.63	592941.07	693000.30	
11577.00	90.56	267.94	9235.02	55.73	-2635.99	0.31	2635.58	592937.52	692906.37	
11672.00	90.28	267.73	9234.32	52.14	-2730.92	0.37	2730.53	592933.93	692811.44	
11766.00	90.21	267.46	9233.92	48.20	-2824.83	0.30	2824.47	592929.99	692717.53	
11860.00	90.00	267.73	9233.75	44.25	-2918.75	0.36	2918.41	592926.04	692623.61	
11955.00	90.98	267.29	9232.93	40.13	-3013.65	1.13	3013.34	592921.92	692528.71	
12049.00	91.47	267.19	9230.92	35.60	-3107.52	0.53	3107.24	592917.39	692434.84	
12143.00	91.40	267.25	9228.57	31.04	-3201.38	0.10	3201.13	592912.83	692340.98	
12238.00	91.68	267.06	9226.02	26.33	-3296.23	0.36	3296.00	592908.12	692246.13	
12333.00	92.10	266.82	9222.88	21.26	-3391.05	0.51	3390.84	592903.05	692151.31	
12428.00	92.24	266.38	9219.29	15.63	-3485.81	0.49	3485.64	592897.42	692056.55	
12522.00	92.24	266.40	9215.61	9.72	-3579.55	0.02	3579.42	592891.51	691962.81	
12617.00	92.03	266.37	9212.07	3.73	-3674.30	0.22	3674.20	592885.52	691868.06	
12711.00	91.05	266.14	9209.55	-2.40	-3768.06	1.07	3768.00	592879.39	691774.30	
12806.00	91.12	265.90	9207.75	-9.00	-3862.81	0.26	3862.79	592872.79	691679.55	
12900.00	89.86	266.81	9206.94	-14.97	-3956.62	1.65	3956.63	592866.82	691585.74	
12995.00	89.93	266.94	9207.12	-20.15	-4051.48	0.16	4051.52	592861.64	691490.88	
13089.00	89.86	266.65	9207.29	-25.41	-4145.33	0.32	4145.41	592856.38	691397.03	
13184.00	90.14	267.35	9207.29	-30.38	-4240.20	0.79	4240.31	592851.41	691302.16	
13279.00	90.49	267.80	9206.77	-34.40	-4335.11	0.60	4335.24	592847.39	691207.25	
13373.00	90.84	267.42	9205.68	-38.32	-4429.02	0.55	4429.18	592843.47	691113.34	
13452.00	91.26	267.34	9204.23	-41.93	-4507.93	0.54	4508.10	592839.86	691034.43	Last Wft Svy
13520.00	91.26	267.34	9202.73	-45.08	-4575.84	0.00	4576.03	592836.71	690966.52	Proj. To Bit



Weatherford

Wft Survey Report X Y's.



Weatherford

Company: Devon Energy
Field: Eddy Co., NM (NAD 83)
Site: Regulus 26 Federal 3H
Well: Regulus 26 Federal 3H
Wellpath: 1

Date: 1/2/2013 Time: 05:37:25 Page: 3
Co-ordinate(NE) Reference: Well: Regulus 26 Federal 3H, Grid North
Vertical (TVD) Reference: SITE 3514.0
Section (VS) Reference: Well (0.00N,0.00E,269.64Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

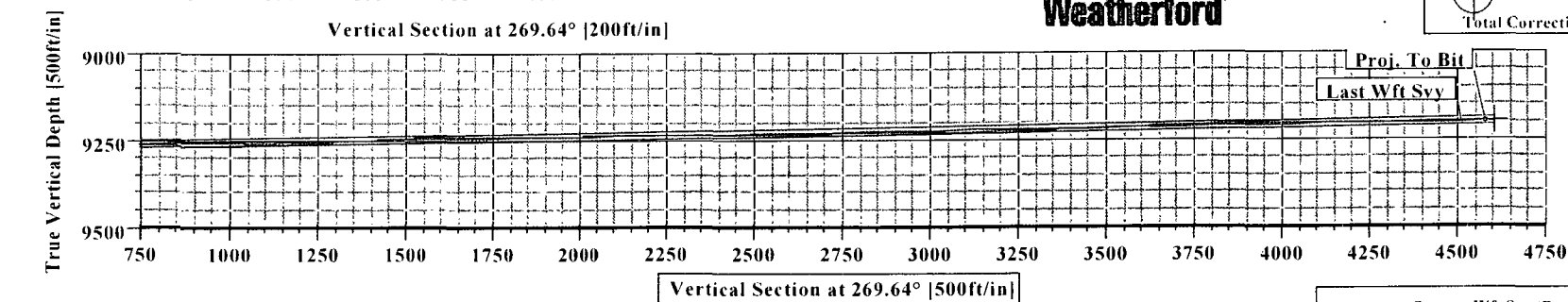
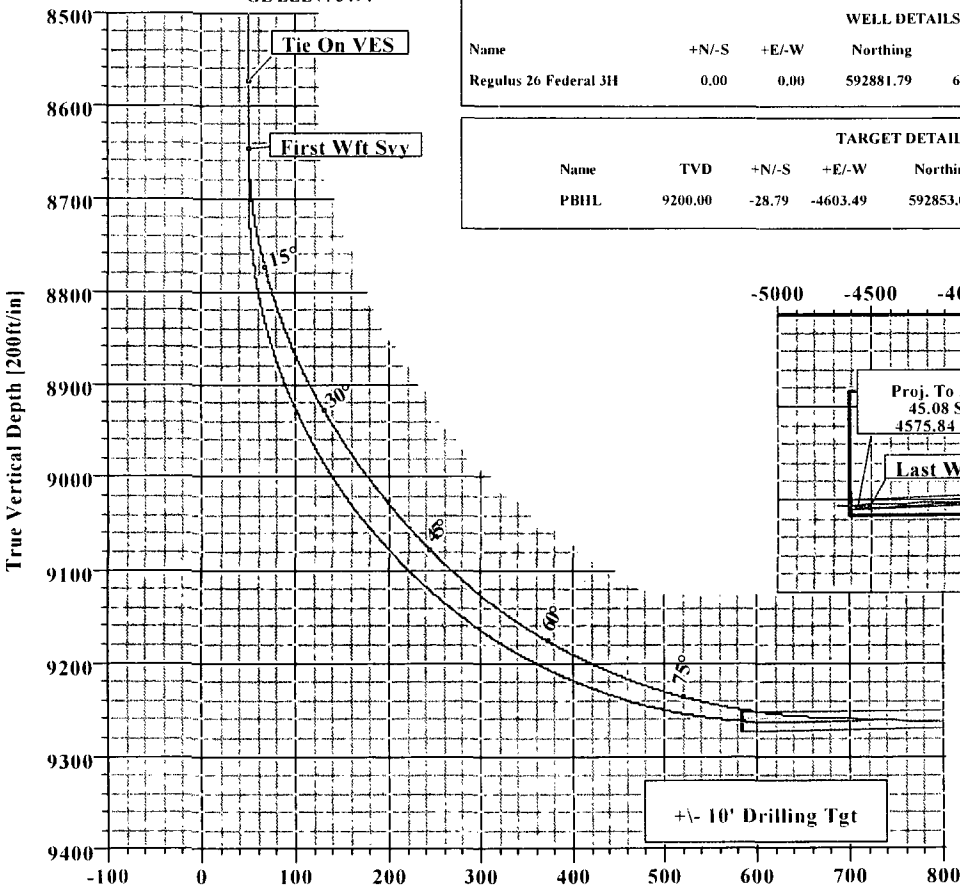
Annotation

MD ft	TVD ft	
8578.00	8574.13	Tie On VES
8650.00	8646.12	First Wft Svy
13452.00	9204.23	Last Wft Svy
13520.00	9202.73	Proj. To Bit



Regulus 26 Federal 3H Eddy Co, NM

KB ELEV: 3514
GL ELEV: 3494



SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	8578.00	1.00	178.48	8574.13	156.22	-50.56	0.00	0.00	49.58	
2	8694.67	1.00	178.48	8690.78	154.18	-50.51	0.00	0.00	49.54	
3	9603.70	90.91	267.83	9263.46	121.96	-631.81	10.00	89.33	631.03	
4	13578.75	90.91	267.83	9200.00	-28.79	-4603.49	0.00	0.00	4603.58	PBHL

WELL DETAILS

Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
Regulus 26 Federal 3H	0.00	0.00	592881.79	695542.36	32°37'43.966N	103°49'56.774W	N/A

TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
PBHL	9200.00	-28.79	-4603.49	592853.00	690938.87	Rectangle (4022x50)

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

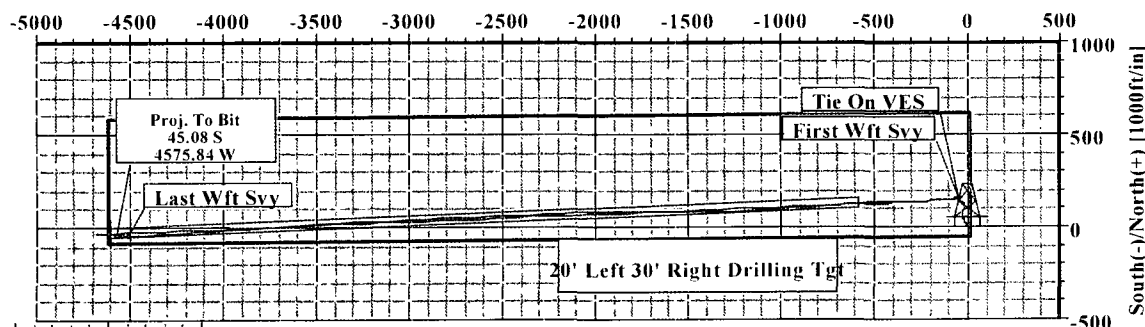
SITE DETAILS

Regulus 26 Federal 3H

Site Centre Northing: 592881.79
Easting: 695542.36

Ground Level: 3494.00
Positional Uncertainty: 0.00
Convergence: 0.27

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



Survey: Wft Svy (Regulus 26 Federal 3H/1)

No	MD	Inc	Az	TVD	+N/-S	+E/-W	DLeg	TFace	VSec
76	13520.00	91.26	267.34	9202.73	-45.08	-4575.84	0.00	0.00	4576.03



Weatherford



Azinuths to Grid North
True North: -0.27°
Magnetic North: 7.28°

Magnetic Field
Strength: 4870nT
Dip Angle: 60.48°
Date: 12/15/2012
Model: IGRF2010
Total Correction to Grid North: 7.28°

Survey: Wft Svy (Regulus 26 Federal 3H/1)

Created By: Russell W. Joyner

Date: 1/2/2013