



A GYRO TECHNOLOGIES INC. COMPANY

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



30-05 40219

October 23, 2012

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

Attn: Patti Riechers

Re: **Regulus 26 Federal No. 002H**

Please find enclosed a copy of the survey from 0' to 8,585' 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.

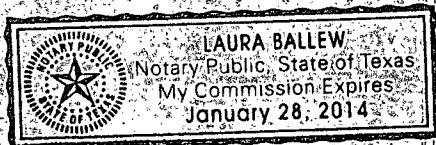
Sincerely,


Keith Havelka
Operations

*Need tie in
Survey 5700-8585'*

STATE OF TEXAS §
COUNTY OF NUECES §

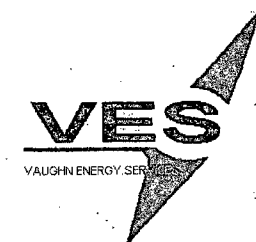
This instrument was acknowledged before me on the 24th day of October
A.D. 2012, by Keith Havelka




Laura Ballew
Notary Public, State of Texas



Company: Devon Energy Production Company
 Lease/Well: Regulus 26 Federal/No. 002H
 Location: S26 T19s R31e
 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



RKB : 20 Feet

DRILLOG HA GYRO SURVEY CALCULATIONS

Filename: ...26 federal #2h gyro survey.ut

Minimum Curvature Method

Report Date/Time: 10/23/2012 / 08:47

Vaughn Energy Services

(432) 563-5444

Gardendale, TX

Surveyor: Dustin Wedel

Regulus 26 Federal No. 002H / API 30-015-40219

RECEIVED

JAN 16 2013

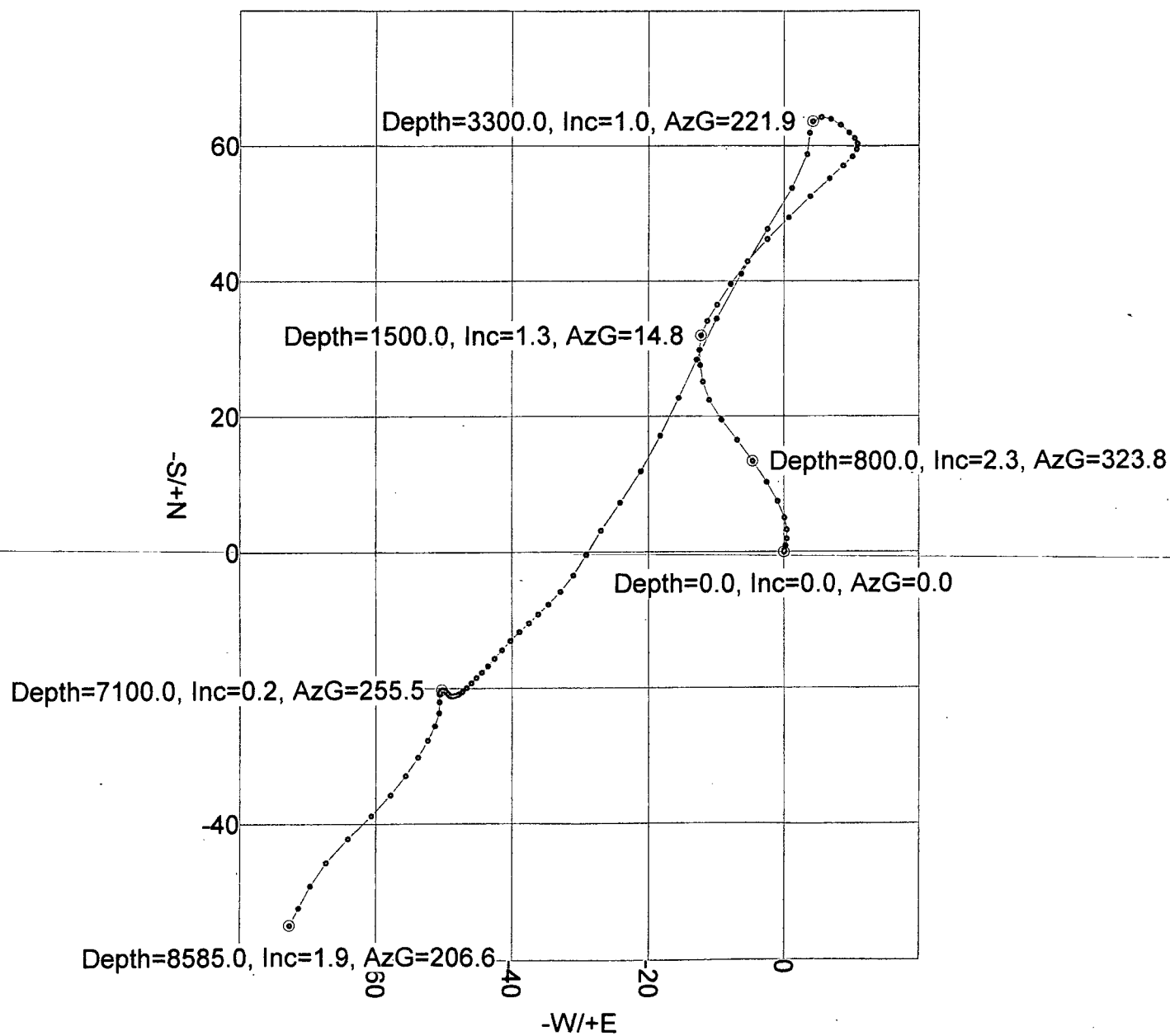
NMOCD ARTESIA

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	0.27	8.70	100.00	0.23	0.04	0.23	0.23	8.70	0.27
200.00	0.53	17.41	200.00	0.91	0.21	0.91	0.93	13.06	0.27
300.00	0.68	6.15	299.99	1.94	0.41	1.94	1.99	12.01	0.19
400.00	0.83	354.89	399.98	3.26	0.41	3.26	3.29	7.21	0.21
500.00	1.28	343.93	499.97	5.06	0.04	5.06	5.06	0.44	0.49
600.00	1.72	332.97	599.93	7.47	-0.95	7.47	7.53	352.72	0.53
700.00	2.00	328.38	699.88	10.29	-2.55	10.29	10.61	346.08	0.31
800.00	2.27	323.80	799.81	13.38	-4.64	13.38	14.16	340.88	0.32
900.00	2.20	323.16	899.73	16.52	-6.96	16.52	17.92	337.15	0.08
1000.00	2.13	322.53	999.66	19.53	-9.24	19.53	21.61	334.67	0.08
1100.00	1.81	334.94	1099.60	22.43	-11.04	22.43	25.00	333.80	0.53
1200.00	1.49	347.35	1199.56	25.13	-11.99	25.13	27.85	334.49	0.48
1300.00	1.35	353.63	1299.53	27.57	-12.41	27.57	30.24	335.77	0.21
1400.00	1.22	359.91	1399.51	29.81	-12.54	29.81	32.34	337.18	0.19
1500.00	1.30	14.85	1499.48	31.97	-12.25	31.97	34.24	339.03	0.34
1600.00	1.39	29.78	1599.45	34.12	-11.36	34.12	35.96	341.58	0.36
1700.00	1.85	31.98	1699.41	36.54	-9.90	36.54	37.86	344.84	0.47
1800.00	2.32	34.19	1799.35	39.59	-7.91	39.59	40.37	348.70	0.47

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	2.45	39.44	1899.26	42.91	-5.41	42.91	43.25	352.81	0.26
2000.00	2.59	44.69	1999.16	46.17	-2.46	46.17	46.24	356.95	0.27
2100.00	2.56	45.02	2099.06	49.36	0.70	49.36	49.36	0.82	0.03
2200.00	2.53	45.35	2198.96	52.48	3.85	52.48	52.62	4.20	0.03
2300.00	1.92	47.56	2298.89	55.16	6.65	55.16	55.56	6.88	0.61
2400.00	1.31	49.77	2398.85	57.03	8.76	57.03	57.70	8.74	0.61
2500.00	0.92	37.00	2498.83	58.41	10.12	58.41	59.28	9.83	0.46
2600.00	0.52	24.22	2598.82	59.46	10.78	59.46	60.43	10.28	0.42
2700.00	0.53	350.10	2698.82	60.33	10.89	60.33	61.31	10.23	0.31
2800.00	0.54	315.98	2798.81	61.13	10.48	61.13	62.02	9.73	0.32
2900.00	0.82	313.34	2898.81	61.96	9.63	61.96	62.71	8.83	0.28
3000.00	1.10	310.71	2998.79	63.08	8.38	63.08	63.64	7.56	0.28
3100.00	0.93	289.97	3098.78	63.99	6.89	63.99	64.36	6.14	0.40
3200.00	0.75	269.24	3198.77	64.26	5.47	64.26	64.49	4.87	0.35
3300.00	0.98	221.93	3298.76	63.61	4.25	63.61	63.75	3.82	0.72
3400.00	1.21	174.62	3398.74	61.93	3.78	61.93	62.05	3.49	0.90
3500.00	2.53	192.93	3498.69	58.73	3.38	58.73	58.83	3.30	1.44
3600.00	3.85	211.24	3598.53	53.71	1.15	53.71	53.72	1.22	1.66
3700.00	4.21	210.63	3698.28	47.68	-2.47	47.68	47.74	357.04	0.36
3800.00	4.57	210.02	3797.99	41.07	-6.33	41.07	41.55	351.24	0.36
3900.00	4.09	207.37	3897.70	34.45	-9.96	34.45	35.86	343.87	0.52
4000.00	3.61	204.71	3997.48	28.43	-12.92	28.43	31.22	335.56	0.51
4100.00	3.58	205.45	4097.28	22.75	-15.57	22.75	27.57	325.60	0.06
4200.00	3.55	206.18	4197.09	17.15	-18.28	17.15	25.07	313.17	0.06
4300.00	3.31	211.14	4296.91	11.91	-21.14	11.91	24.26	299.39	0.38
4400.00	3.06	216.09	4396.75	7.28	-24.20	7.28	25.27	286.74	0.37
4500.00	2.63	212.38	4496.63	3.18	-27.00	3.18	27.19	276.73	0.48
4600.00	2.19	208.68	4596.54	-0.42	-29.15	-0.42	29.15	269.17	0.47
4700.00	1.89	215.28	4696.48	-3.45	-31.02	-3.45	31.21	263.66	0.37
4800.00	1.60	221.88	4796.43	-5.84	-32.90	-5.84	33.42	259.94	0.35
4900.00	1.33	224.60	4896.40	-7.70	-34.65	-7.70	35.50	257.46	0.28
5000.00	1.06	227.33	4996.38	-9.16	-36.15	-9.16	37.29	255.78	0.28
5100.00	1.07	227.20	5096.36	-10.43	-37.52	-10.43	38.94	254.47	0.01
5200.00	1.09	227.08	5196.34	-11.71	-38.90	-11.71	40.63	253.25	0.01
5300.00	1.06	223.86	5296.33	-13.02	-40.23	-13.02	42.29	252.07	0.07
5400.00	1.03	220.64	5396.31	-14.36	-41.46	-14.36	43.88	250.89	0.07
5500.00	0.90	221.96	5496.29	-15.63	-42.57	-15.63	45.35	249.84	0.13
5600.00	0.77	223.29	5596.28	-16.71	-43.56	-16.71	46.65	249.02	0.13
5700.00	0.69	224.04	5696.28	-17.63	-44.44	-17.63	47.81	248.36	0.08



Vaughn Energy Services
(432) 563-5444
Gardendale, TX
Surveyor: Dustin Wedel
Regulus 26 Federal No. 002H / API 30-015-40219



VES Survey Date: 10/15/2012



Weatherford®

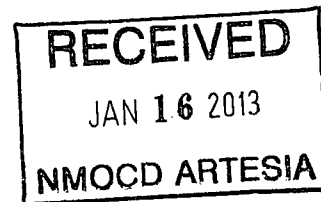
Evaluation, Drilling & Intervention
10000 West County Rd. 116
P.O. Box 61028
Midland, TX USA 79711
Tel. (432) 561-8892 Fax (432) 561-8895

Devon Energy
333 W. Sherridan Ave
Oklahoma City, OK, 73102

Date: October 26, 2012

Attention: John Pergean

Re: Devon Energy
Well: Regulus 26 Federal #2H
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
Justin Nguyen MWD Supervisor	2H	8637' MD 13500' MD	10/14/2012 10/25/2012	Measurement While Drilling

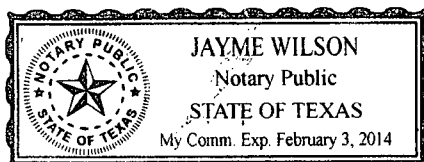
A notarized plan vs. actual is attached to the survey report. If any other information is required, please contact the undersigned at the letterhead address and phone number.

Jesse Aguilar
MWD Ops. Coordinator

On this, the 26th day of October, 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





Regulus 26 Federal #2H Eddy Co, NM



KB ELEV: 3511
GL ELEV: 3491

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	12109.00	97.17	271.11	9148.35	-44.76	-3115.36	0.00	0.00	3115.58	
2	12553.00	88.31	270.54	9127.15	-38.39	-3558.36	2.00	-176.30	3558.53	
3	13597.91	88.31	270.54	9158.00	-28.57	-4602.77	0.00	0.00	4602.86	

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 #2H

Site Centre Northing: 594763.81
Easting: 695529.25

Ground Level: 3491.00
Positional Uncertainty: 0.00
Convergence: 0.27

WELL DETAILS

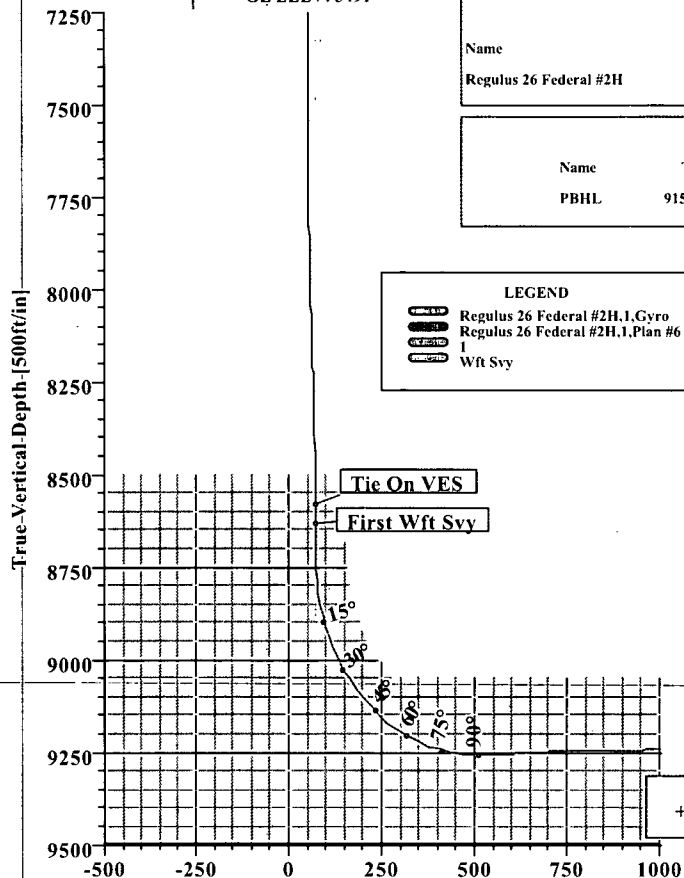
Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
Regulus 26 Federal #2H	0.00	0.00	594763.81	695529.25	32°38'02.589N	103°49'56.824W	N/A

TARGET DETAILS

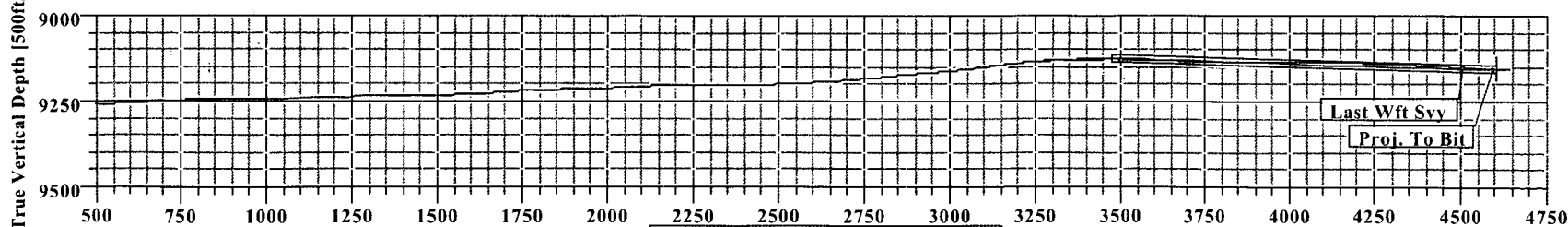
Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
PBHL	9158.00	-28.57	-4602.77	594735.24	690926.48	Rectangle (1128x50)

LEGEND

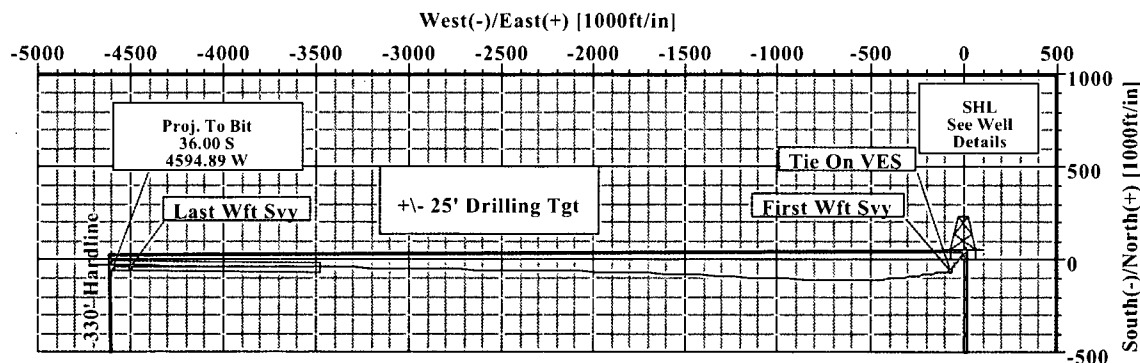
- Regulus 26 Federal #2H.1, Gyro
- Regulus 26 Federal #2H.1, Plan #6
- Wft Svy



Vertical Section at 269.64° [500ft/in]



Vertical Section at 269.64° [500ft/in]

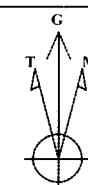


Survey: Wft Svy (Regulus 26 Federal #2H/1)

No	MD	Inc	Az	TVD	+N/-S	+E/-W	DLeg	TFace	VSec
72	13590.00	87.13	270.22	9155.10	-36.00	-4594.89	0.00	0.00	4595.02



Weatherford



Azimuths to Grid North
True North: -0.27°
Magnetic North: 7.31°

Magnetic Field
Strength: 48734nT
Dip Angle: 60.49°
Date: 9/20/2012
Model: IGRF2010

Total Correction to Grid North: 7.31°

Survey: Wft Svy (Regulus 26 Federal #2H/1)

Created By: Russell W. Joyner

Date: 10/25/2012



Weatherford

WFT Survey Report X & Y's

**Weatherford**

Company: Devon Energy Field: Eddy Co., NM (NAD 83) Site: Regulus 26 Federal #2H Well: Regulus 26 Federal #2H Wellpath: 1				Date: 10/25/2012 Time: 06:59:34 Page: 1 Co-ordinate(NE) Reference: Well: Regulus 26 Federal #2H, Grid North Vertical (TVD) Reference: SITE 3511.0 Section (VS) Reference: Well (0.00N,0.00E,269.64Azi) Survey Calculation Method: Minimum Curvature Db: Sybase							
Survey: Wft Svy Company: Weatherford Tool: MWD;MWD - Standard				Start Date: 10/16/2012 Engineer: Russell W. Joyner Tied-to: User Defined							
Field: Eddy Co., NM (NAD 83) Map System: US State Plane Coordinate System 1983 Geo Datum: GRS 1980 Sys Datum: Mean Sea Level				Map Zone: New Mexico, Eastern Zone Coordinate System: Well Centre Geomagnetic Model: IGRF2010							
Site: Regulus 26 Federal #2H Site Position: From: Map Position Uncertainty: 0.00 ft Ground Level: 3491.00 ft				Northing: 594763.81 ft Easting: 695529.25 ft Latitude: 32 38 2.589 N Longitude: 103 49 56.824 W North Reference: Grid Grid Convergence: 0.27 deg							
Well: Regulus 26 Federal #2H Well Position: +N/-S 0.00 ft Position Uncertainty: 0.00 ft				Slot Name: Well Position: +N/-S 0.00 ft Position Uncertainty: 0.00 ft							
Wellpath: 1 Current Datum: SITE Magnetic Data: 9/20/2012 Field Strength: 48734 nT Vertical Section: Depth From (TVD) ft				Drilled From: Surface Tie-on Depth: 0.00 ft Above System Datum: Mean Sea Level Declination: 7.58 deg Mag Dip Angle: 60.49 deg +E/-W ft Direction 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	
8585.00	1.86	206.60	8580.50	-54.90	-72.70	0.00	73.04	594708.91	695456.55	Tie On VES First Wft Svy	
8637.00	1.79	202.27	8632.47	-56.41	-73.39	0.30	73.74	594707.40	695455.86		
8712.00	1.65	200.95	8707.44	-58.50	-74.22	0.19	74.58	594705.31	695455.03		
8731.00	1.54	196.56	8726.43	-59.00	-74.39	0.86	74.76	594704.81	695454.86		
8763.00	1.79	199.89	8758.41	-59.88	-74.68	0.84	75.05	594703.93	695454.57		
8794.00	3.74	246.52	8789.38	-60.74	-75.77	9.12	76.15	594703.07	695453.48		
8826.00	7.94	262.16	8821.21	-61.46	-78.92	13.92	79.30	594702.35	695450.33		
8857.00	12.08	263.10	8851.73	-62.14	-84.26	13.36	84.65	594701.67	695444.99		
8888.00	14.10	264.00	8881.92	-62.92	-91.24	6.55	91.63	594700.89	695438.01		
8920.00	15.95	263.32	8912.83	-63.84	-99.48	5.81	99.88	594699.97	695429.77		
8951.00	18.77	262.48	8942.41	-64.99	-108.66	9.13	109.07	594698.82	695420.59		
8983.00	22.39	260.34	8972.37	-66.69	-119.78	11.55	120.19	594697.12	695409.47		
9015.00	26.13	259.34	9001.54	-69.01	-132.71	11.76	133.15	594694.80	695396.54		
9046.00	29.90	259.84	9028.90	-71.64	-147.03	12.18	147.48	594692.17	695382.22		
9078.00	33.59	261.06	9056.11	-74.42	-163.63	11.70	164.10	594689.39	695365.62		
9109.00	36.97	261.62	9081.41	-77.12	-181.33	10.95	181.81	594686.69	695347.92		
9141.00	40.32	262.32	9106.40	-79.90	-201.12	10.56	201.62	594683.91	695328.13		
9172.00	43.28	262.42	9129.51	-82.65	-221.60	9.55	222.11	594681.16	695307.65		
9203.00	46.73	263.20	9151.42	-85.39	-243.34	11.27	243.87	594678.42	695285.91		
9235.00	50.93	263.66	9172.48	-88.14	-267.27	13.17	267.82	594675.67	695261.98		
9266.00	55.55	263.73	9191.03	-90.86	-291.95	14.90	292.51	594672.95	695237.30		
9298.00	60.27	263.80	9208.02	-93.81	-318.89	14.75	319.47	594670.00	695210.36		
9330.00	64.85	263.62	9222.77	-96.92	-347.11	14.32	347.71	594666.89	695182.14		
9361.00	69.17	263.60	9234.87	-100.09	-375.46	13.94	376.09	594663.72	695153.79		



Weatherford

WFT Survey Report X & Y's

**Weatherford**

Company: Devon Energy
Field: Eddy Co., NM (NAD 83)
Site: Regulus 26 Federal #2H
Well: Regulus 26 Federal #2H
Wellpath: 1

Date: 10/25/2012 Time: 06:59:34 Page: 2
Co-ordinate(NE) Reference: Well: Regulus 26 Federal #2H, Grid North
Vertical (TVD) Reference: SITE 3511.0
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
9392.00	73.91	263.99	9244.68	-103.27	-404.69	15.34	405.33	594660.54	695124.56	
9424.00	79.09	264.38	9252.15	-106.42	-435.63	16.23	436.29	594657.39	695093.62	
9455.00	84.11	265.44	9256.68	-109.14	-466.17	16.54	466.85	594654.67	695063.08	
9502.00	90.84	268.00	9258.75	-111.82	-513.02	15.32	513.71	594651.99	695016.23	
9564.00	92.80	268.88	9256.78	-113.51	-574.96	3.46	575.66	594650.30	694954.29	
9659.00	93.36	271.87	9251.68	-112.89	-669.81	3.20	670.50	594650.92	694859.44	
9753.00	91.89	271.92	9247.37	-109.78	-763.66	1.56	764.33	594654.03	694765.59	
9847.00	90.07	271.53	9245.76	-106.95	-857.60	1.98	858.25	594656.86	694671.65	
9942.00	91.05	271.92	9244.83	-104.09	-952.55	1.11	953.18	594659.72	694576.70	
10037.00	91.82	271.98	9242.45	-100.86	-1047.46	0.81	1048.07	594662.95	694481.79	
10131.00	91.82	272.63	9239.47	-97.08	-1141.34	0.69	1141.92	594666.73	694387.91	
10225.00	90.91	273.00	9237.23	-92.47	-1235.20	1.05	1235.75	594671.34	694294.05	
10319.00	91.61	272.91	9235.16	-87.62	-1329.05	0.75	1329.57	594676.19	694200.20	
10414.00	90.07	272.36	9233.77	-83.26	-1423.93	1.72	1424.43	594680.55	694105.32	
10508.00	91.40	272.54	9232.56	-79.24	-1517.84	1.43	1518.31	594684.57	694011.41	
10602.00	92.73	272.61	9229.18	-75.02	-1611.68	1.42	1612.12	594688.79	693917.57	
10697.00	94.06	272.27	9223.55	-70.98	-1706.42	1.44	1706.84	594692.83	693822.83	
10791.00	92.31	271.65	9218.33	-67.77	-1800.22	1.97	1800.61	594696.04	693729.03	
10886.00	91.33	271.45	9215.31	-65.20	-1895.14	1.05	1895.51	594698.61	693634.11	
10980.00	92.38	271.49	9212.27	-62.79	-1989.06	1.12	1989.41	594701.02	693540.19	
11074.00	93.08	271.36	9207.79	-60.46	-2082.92	0.76	2083.26	594703.35	693446.33	
11169.00	90.91	271.13	9204.49	-58.40	-2177.83	2.30	2178.16	594705.41	693351.42	
11263.00	89.79	270.52	9203.91	-57.04	-2271.82	1.36	2272.13	594706.77	693257.43	
11357.00	90.77	270.43	9203.45	-56.26	-2365.81	1.05	2366.12	594707.55	693163.44	
11452.00	91.68	270.55	9201.42	-55.45	-2460.79	0.97	2461.09	594708.36	693068.46	
11546.00	92.73	270.76	9197.80	-54.38	-2554.71	1.14	2555.00	594709.43	692974.54	
11641.00	94.06	270.78	9192.18	-53.10	-2649.53	1.40	2649.81	594710.71	692879.72	
11735.00	95.04	270.84	9184.72	-51.78	-2743.23	1.04	2743.50	594712.03	692786.02	
11830.00	96.24	271.10	9175.39	-50.18	-2837.75	1.29	2838.01	594713.63	692691.50	
11925.00	94.27	271.13	9166.69	-48.34	-2932.33	2.07	2932.58	594715.47	692596.92	
12019.00	95.74	271.06	9158.48	-46.55	-3025.95	1.57	3026.18	594717.26	692503.30	
12114.00	97.02	271.16	9147.93	-44.72	-3120.34	1.35	3120.56	594719.09	692408.91	
12208.00	94.83	271.45	9138.23	-42.59	-3213.81	2.35	3214.02	594721.22	692315.44	
12303.00	92.87	271.48	9131.85	-40.17	-3308.56	2.06	3308.75	594723.64	692220.69	
12397.00	91.40	270.71	9128.35	-38.37	-3402.48	1.77	3402.65	594725.44	692126.77	
12492.00	89.44	270.21	9127.65	-37.61	-3497.47	2.13	3497.63	594726.20	692031.78	
12587.00	87.69	269.88	9130.03	-37.53	-3592.43	1.87	3592.60	594726.28	691936.82	
12681.00	88.32	269.54	9133.30	-38.01	-3686.37	0.76	3686.54	594725.80	691842.88	
12775.00	89.58	269.62	9135.02	-38.70	-3780.35	1.34	3780.52	594725.11	691748.90	
12870.00	91.12	269.71	9134.44	-39.25	-3875.35	1.62	3875.52	594724.56	691653.90	
12964.00	89.30	270.49	9134.10	-39.09	-3969.34	2.11	3969.51	594724.72	691559.91	
13059.00	88.67	270.14	9135.78	-38.57	-4064.32	0.76	4064.49	594725.24	691464.93	
13153.00	89.72	270.03	9137.10	-38.43	-4158.31	1.12	4158.47	594725.38	691370.94	
13248.00	87.55	270.66	9139.36	-37.86	-4253.28	2.38	4253.43	594725.95	691275.97	
13342.00	88.53	270.41	9142.58	-36.98	-4347.22	1.08	4347.36	594726.83	691182.03	
13437.00	86.21	270.13	9146.94	-36.53	-4442.11	2.46	4442.25	594727.28	691087.14	
13500.00	87.13	270.22	9150.60	-36.34	-4505.00	1.47	4505.14	594727.47	691024.25	Last Wft Svy
13590.00	87.13	270.22	9155.10	-36.00	-4594.89	0.00	4595.02	594727.81	690934.36	Proj. To Bit



Weatherford

WFT Survey Report X & Y's



Company: Devon Energy	Date: 10/25/2012	Time: 06:59:34	Page: 3
Field: Eddy Co., NM (NAD 83)	Co-ordinate(NE) Reference: Well: Regulus 26 Federal #2H, Grid North		
Site: Regulus 26 Federal #2H	Vertical (TVD) Reference: SITE 3511.0		
Well: Regulus 26 Federal #2H	Section (VS) Reference: Well (0.00N,0.00E,269.64Azi)		
Wellpath: 1	Survey Calculation Method: Minimum Curvature		Db: Sybase

Annotation

MD ft	TVD ft	
8585.00	8580.50	Tie On VES
8637.00	8632.47	First Wft Svy
13500.00	9150.60	Last Wft Svy
13590.00	9155.10	Proj. To Bit