



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

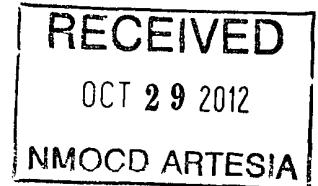
30-05-40207

Devon Energy
20 North Broadway
Oklahoma City, OK, 73102

Date: July 24, 2012

Attention: Stuart Spencer

Re: Devon Energy
Well: Coral PWU 28 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:

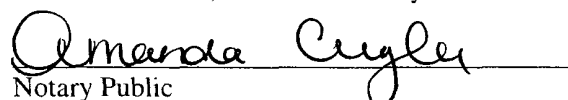
Name & Title Of Surveyor	Well Number	Surveyed Depths	Dates Performed	Type of Survey
Jeromy Orona MWD Supervisor	3H	7342' MD 12225' MD	7/12/2012 7/22/2012	Measurement While Drilling

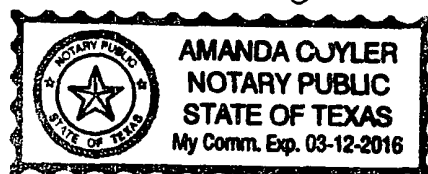
A notarized plan vs. actual is attached to the survey report. If any other information is required, please contact the undersigned at the letterhead address and phone number.


Jesse Aguilar
Area Manager

On this, the 25th day of July, 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 International Ltd.

WFT Survey Report X & Y's

**Weatherford**

Company: Devon Energy	Date: 7/23/2012	Time: 07:32:32	Page: 1
Field: Eddy Co., NM (NAD 83)	Co-ordinate(NE) Reference: Well: 3H, Grid North		
Site: Coral PWU 28 3H	Vertical (TVD) Reference: SITE 3320.0		
Well: 3H	Section (VS) Reference: Well (0 00N,0.00E,0.07Azi)		
Wellpath: 1	Survey Calculation Method: Minimum Curvature	Db: Sybase	

Survey: Wft Svy	Start Date: 7/16/2012
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
Geo Datum: GRS 1980
Sys Datum: Mean Sea Level

Map Zone: New Mexico, Eastern Zone
Coordinate System: Well Centre
Geomagnetic Model: IGRF2010

Site: Coral PWU 28 3H

Site Position:	Northing: 591348 23 ft	Latitude: 32 37 31 443 N
From: Map	Easting: 620331 73 ft	Longitude: 104 4 36 303 W
Position Uncertainty: 0 00 ft		North Reference: Grid
Ground Level: 3301.00 ft		Grid Convergence: 0 14 deg

Well: 3H	Slot Name:	
Well Position: +N/-S 0 00 ft	Northing: 591348 23 ft	Latitude: 32 37 31.443 N
+E/-W 0 00 ft	Easting: 620331 73 ft	Longitude: 104 4 36.303 W
Position Uncertainty: 0 00 ft		

Wellpath: 1	Drilled From: Surface		
Current Datum: SITE	Tie-on Depth: 0 00 ft		
Magnetic Data: 8/15/2012	Above System Datum: Mean Sea Level		
Field Strength: 48711 nT	Declination: 7 71 deg		
Vertical Section: Depth From (TVD)	Mag Dip Angle: 60.44 deg		
ft	+N/-S	+E/-W	Direction
	ft	ft	deg
0 00	0 00	0 00	0.07

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
7324 00	1 40	279 20	7321 52	60 98	-55 32	0 00	60 91	591409 21	620276 41	Tie On VES First Wft Svy
7342 00	1 33	278 17	7339 52	61 04	-55 74	0 41	60 98	591409 27	620275 99	
7373 00	1.33	271.22	7370 51	61.10	-56 46	0 52	61.03	591409 33	620275 27	
7406 00	2.03	342 38	7403 50	61 67	-57 02	6 17	61 60	591409 90	620274 71	
7437 00	4 20	0 89	7434 45	63 33	-57 17	7 63	63.26	591411 56	620274 56	
7469 00	6 64	3 50	7466 31	66 35	-57 04	7 66	66.28	591414 58	620274 69	
7501 00	10 40	2 42	7497 95	71 08	-56 80	11 76	71.01	591419 31	620274 93	
7533 00	14 26	3 09	7529 20	77 90	-56 47	12 07	77 84	591426 13	620275 26	
7565 00	17 37	2 49	7559 99	86 61	-56 05	9 73	86 55	591434 84	620275 68	
7596 00	20 46	2 05	7589 31	96 65	-55 65	9 98	96 59	591444 88	620276 08	
7628 00	23 10	1 34	7619 02	108 52	-55 31	8 29	108 45	591456 75	620276 42	
7660 00	25 64	359 07	7648 17	121 72	-55 27	8 46	121 65	591469 95	620276 46	
7692 00	28 87	357 14	7676 62	136 36	-55 77	10 46	136 30	591484 59	620275 96	
7724 00	32 64	355 89	7704 11	152 69	-56 77	11 95	152 62	591500 92	620274 96	
7756 00	36 29	356 02	7730 49	170 75	-58 05	11 41	170 68	591518 98	620273 68	
7788 00	39 47	357 04	7755 74	190 36	-59 23	10 13	190 29	591538 59	620272 50	
7820 00	42 72	358 23	7779 86	211 38	-60 09	10 45	211 30	591559 61	620271 64	
7851 00	46 11	358 62	7802 00	233 06	-60 69	10 97	232 99	591581 29	620271 04	
7883 00	48 89	358 73	7823 61	256 64	-61 23	8 69	256 57	591604 87	620270 50	
7915 00	52 35	358 72	7843 91	281 37	-61 78	10 81	281 29	591629 60	620269 95	
7947 00	55 51	359 25	7862 75	307 23	-62 24	9 97	307 15	591655 46	620269 49	
7979 00	59 00	359 49	7880 06	334 14	-62 53	10 92	334 06	591682 37	620269 20	
8011 00	61 28	359 78	7895 99	361 89	-62 71	7 17	361 81	591710 12	620269 02	
8043 00	63 37	0 17	7910 85	390 22	-62 72	6 62	390 15	591738 45	620269 01	



Weatherford International Ltd.

WFT Survey Report X & Y's

**Weatherford**

Company: Devon Energy
Field: Eddy Co., NM (NAD 83)
Site: Coral PWU 28 3H
Well: 3H
Wellpath: 1

Date: 7/23/2012
Co-ordinate(NE) Reference: Well. 3H, Grid North
Vertical (TVD) Reference: SITE 3320.0
Section (VS) Reference: Well (0.00N,0.00E,0.07Azi)
Survey Calculation Method: Minimum Curvature
Db: Sybase

Page: 2

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
8075.00	65.71	0.17	7924.61	419.11	-62.63	7.31	419.04	591767.34	620269.10	
8106.00	68.08	0.48	7936.77	447.62	-62.47	7.70	447.55	591795.85	620269.26	
8138.00	71.94	0.72	7947.71	477.69	-62.16	12.08	477.61	591825.92	620269.57	
8170.00	74.86	1.14	7956.85	508.35	-61.66	9.21	508.27	591856.58	620270.07	
8202.00	78.83	2.05	7964.13	539.49	-60.79	12.71	539.41	591887.72	620270.94	
8266.00	83.94	2.53	7973.71	602.70	-58.26	8.02	602.62	591950.93	620273.47	
8330.00	85.19	2.69	7979.78	666.34	-55.36	1.97	666.27	592014.57	620276.37	
8362.00	85.30	2.62	7982.43	698.20	-53.88	0.41	698.13	592046.43	620277.85	
8394.00	85.66	2.57	7984.95	730.06	-52.44	1.14	730.00	592078.29	620279.29	
8426.00	87.42	2.54	7986.88	761.97	-51.01	5.50	761.91	592110.20	620280.72	
8458.00	89.14	2.13	7987.84	793.93	-49.71	5.53	793.87	592142.16	620282.02	
8490.00	90.86	2.04	7987.84	825.91	-48.55	5.38	825.85	592174.14	620283.18	
8522.00	93.03	1.63	7986.76	857.87	-47.52	6.90	857.81	592206.10	620284.21	
8554.00	93.20	1.45	7985.02	889.81	-46.66	0.77	889.75	592238.04	620285.07	
8586.00	92.90	2.21	7983.31	921.75	-45.64	2.55	921.69	592269.98	620286.09	
8618.00	92.75	1.44	7981.74	953.69	-44.62	2.45	953.64	592301.92	620287.11	
8650.00	92.75	1.38	7980.20	985.65	-43.84	0.19	985.59	592333.88	620287.89	
8682.00	92.23	0.86	7978.81	1017.61	-43.21	2.30	1017.56	592365.84	620288.52	
8714.00	91.32	0.63	7977.82	1049.59	-42.80	2.93	1049.54	592397.82	620288.93	
8746.00	90.86	0.89	7977.21	1081.58	-42.37	1.65	1081.53	592429.81	620289.36	
8778.00	91.25	0.55	7976.62	1113.58	-41.97	1.62	1113.52	592461.81	620289.76	
8810.00	92.23	359.99	7975.65	1145.56	-41.82	3.53	1145.51	592493.79	620289.91	
8842.00	92.75	359.92	7974.26	1177.53	-41.85	1.64	1177.48	592525.76	620289.88	
8938.00	93.09	359.80	7969.37	1273.41	-42.08	0.38	1273.35	592621.64	620289.65	
9034.00	90.29	359.96	7966.54	1369.35	-42.28	2.92	1369.30	592717.58	620289.45	
9130.00	90.06	359.66	7966.25	1465.35	-42.60	0.39	1465.30	592813.58	620289.13	
9226.00	90.17	359.65	7966.05	1561.35	-43.18	0.12	1561.30	592909.58	620288.55	
9323.00	90.23	359.45	7965.71	1658.35	-43.94	0.22	1658.29	593006.58	620287.79	
9419.00	90.11	359.41	7965.43	1754.34	-44.89	0.13	1754.29	593102.57	620286.84	
9515.00	89.94	359.59	7965.39	1850.34	-45.73	0.26	1850.28	593198.57	620286.00	
9611.00	90.11	359.05	7965.35	1946.33	-46.87	0.59	1946.27	593294.56	620284.86	
9706.00	89.89	359.36	7965.35	2041.32	-48.19	0.40	2041.26	593389.55	620283.54	
9803.00	89.49	359.46	7965.87	2138.31	-49.19	0.43	2138.25	593486.54	620282.54	
9898.00	88.97	0.34	7967.15	2233.30	-49.35	1.08	2233.24	593581.53	620282.38	
9994.00	89.20	1.21	7968.68	2329.28	-48.06	0.94	2329.22	593677.51	620283.67	
10090.00	88.69	1.57	7970.45	2425.24	-45.73	0.65	2425.18	593773.47	620286.00	
10186.00	89.09	2.22	7972.31	2521.17	-42.55	0.79	2521.11	593869.40	620289.18	
10282.00	90.29	3.15	7972.83	2617.06	-38.06	1.58	2617.01	593965.29	620293.67	
10378.00	90.97	3.57	7971.77	2712.89	-32.43	0.83	2712.84	594061.12	620299.30	
10474.00	90.97	3.35	7970.15	2808.70	-26.64	0.23	2808.66	594156.93	620305.09	
10569.00	92.22	2.97	7967.50	2903.51	-21.40	1.38	2903.48	594251.74	620310.33	
10665.00	92.85	3.16	7963.26	2999.28	-16.27	0.69	2999.26	594347.51	620315.46	
10761.00	92.46	3.30	7958.81	3095.03	-10.87	0.43	3095.01	594443.26	620320.86	
10856.00	91.94	1.70	7955.16	3189.86	-6.73	1.77	3189.85	594538.09	620325.00	
10952.00	92.00	1.41	7951.86	3285.77	-4.13	0.31	3285.76	594634.00	620327.60	
11047.00	92.23	1.47	7948.36	3380.68	-1.74	0.25	3380.67	594728.91	620329.99	
11143.00	92.29	1.96	7944.57	3476.56	1.13	0.51	3476.56	594824.79	620332.86	
11239.00	92.40	1.77	7940.64	3572.43	4.25	0.23	3572.43	594920.66	620335.98	
11335.00	91.89	2.28	7937.05	3668.30	7.64	0.75	3668.30	595016.53	620339.37	
11429.00	91.94	2.12	7933.91	3762.18	11.25	0.18	3762.19	595110.41	620342.98	
11524.00	91.60	0.09	7930.97	3857.11	13.08	2.17	3857.12	595205.34	620344.81	
11620.00	92.25	0.72	7927.75	3953.05	13.76	0.94	3953.06	595301.28	620345.49	



Company: Devon Energy
Field: Eddy Co , NM (NAD 83)
Site: Coral PWU 28 3H
Well: 3H
Wellpath: 1

Date: 7/23/2012 **Time:** 07:32.32 **Page:** 3
Co-ordinate(NE) Reference: Well: 3H, Grid North
Vertical (TVD) Reference: SITE 3320.0
Section (VS) Reference: Well (0.00N,0.00E,0.07Azi)
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
11715 00	90.91	359 34	7925 13	4048.01	13 81	2 02	4048 02	595396.24	620345 54	
11810 00	90 29	359 71	7924 13	4143 00	13 02	0 76	4143 01	595491 23	620344 75	
11905 00	89 77	0 67	7924.08	4238 00	13 33	1 15	4238.01	595586 23	620345 06	
12000 00	89 83	0.50	7924 42	4332 99	14 30	0.19	4333 01	595681 22	620346 03	
12095.00	90 85	359 45	7923 85	4427 99	14 26	1 54	4428 00	595776 22	620345.99	
12190 00	90 74	359 99	7922 53	4522.98	13 80	0 58	4522 99	595871 21	620345 53	
12225 00	90 57	0.40	7922 13	4557 98	13 92	1 27	4557 99	595906 21	620345.65	Last Wft Svy
12295 00	90 57	0 40	7921 44	4627 97	14.41	0.00	4627.99	595976 20	620346 14	Proj to Bit

Annotation

MD ft	TVD ft	
7324 00	7321 52	Tie On VES
7342 00	7339 52	First Wft Svy
12225 00	7922.13	Last Wft Svy
12295 00	7921 44	Proj. to Bit



Coral PWU 28 3H
Eddy Co., New Mexico

KB ELEV: 3320
GL ELEV: 3301

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	7324.00	1.40	279.20	7321.52	60.98	-55.32	0.00	0.00	60.91	
2	7407.00	1.40	279.20	7404.50	61.30	-57.32	0.00	0.00	61.23	
3	8310.75	90.22	0.97	7977.53	638.88	-61.51	9.96	81.76	638.80	
4	10272.19	90.22	0.97	7970.00	2600.03	-28.46	0.00	0.00	2599.99	2600 VS Tgt
5	10317.09	91.57	0.96	7969.30	2644.92	-27.70	3.00	-0.02	2644.88	
6	12302.71	91.57	0.96	7915.00	4629.51	5.72	0.00	0.00	4629.51	PBHL

WELL DETAILS

Name+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slor	
3H	0.00	0.00	591348.23	620331.73	32°37'31.443N	104°04'36.303W	N/A

TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
PBHL	7915.00	4629.51	5.72	595977.74	620337.45	Rectangle (1985x50)
2600 VS Tgt	7970.00	2600.03	-28.46	593948.26	620303.27	Rectangle (1961x50)

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

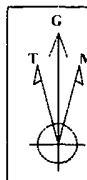
Coral PWU 28 3H

Site Centre Northing: 591348.23
Easting: 620331.73

Ground Level: 3301.00
Positional Uncertainty: 0.00
Convergence: 0.14

LEGEND

- 3H, 1, Plan #2
- 3H, 1, Gyro
- Existing Parkway #16 (1)
- Existing PWU #14 (1)
- 1
- Wft Svy



Azimuths to Grid North
True North: -0.14°
Magnetic North: 7.57°

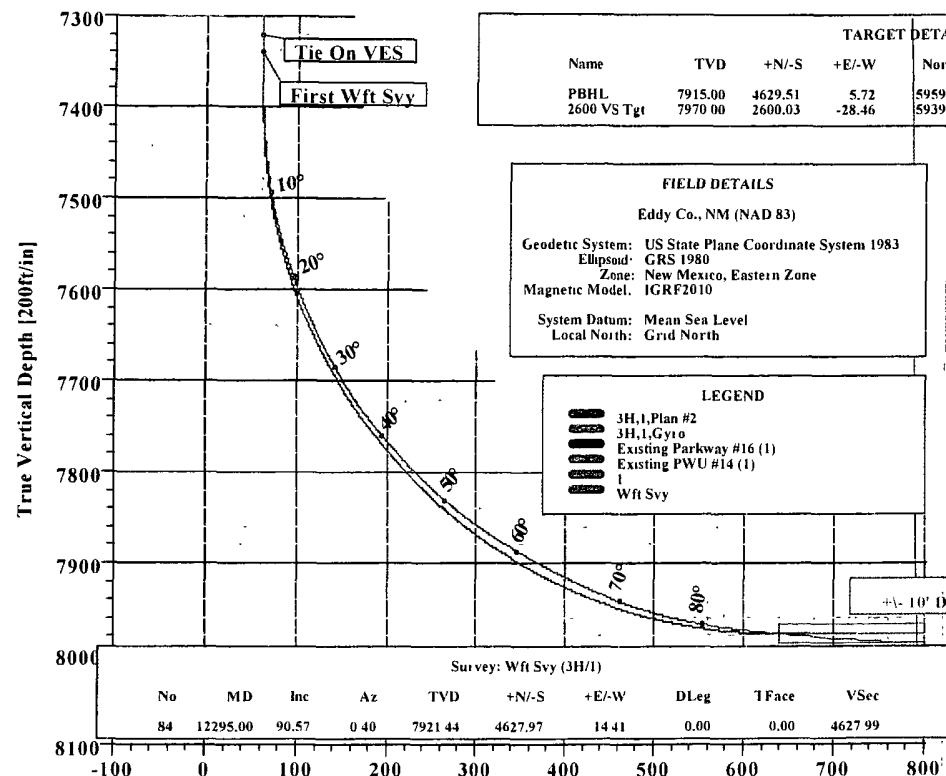
Magnetic Field
Strength: 4871 nT
Dip Angle: 60.44°
Date: 8/15/2012
Model: IGRF2010
Total Correction to Grid North: 7.57°

+/- 10' Drilling Tgt

Survey: Wft Svy (3H/1)

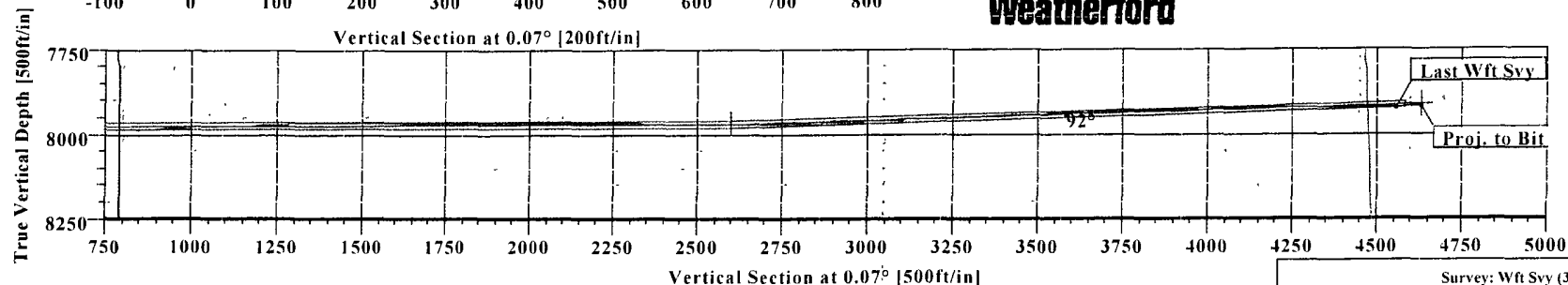
No	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec
84	12295.00	90.57	0.40	7921.44	4627.97	14.41	0.00	0.00	4627.99

Vertical Section at 0.07° [200ft/in]

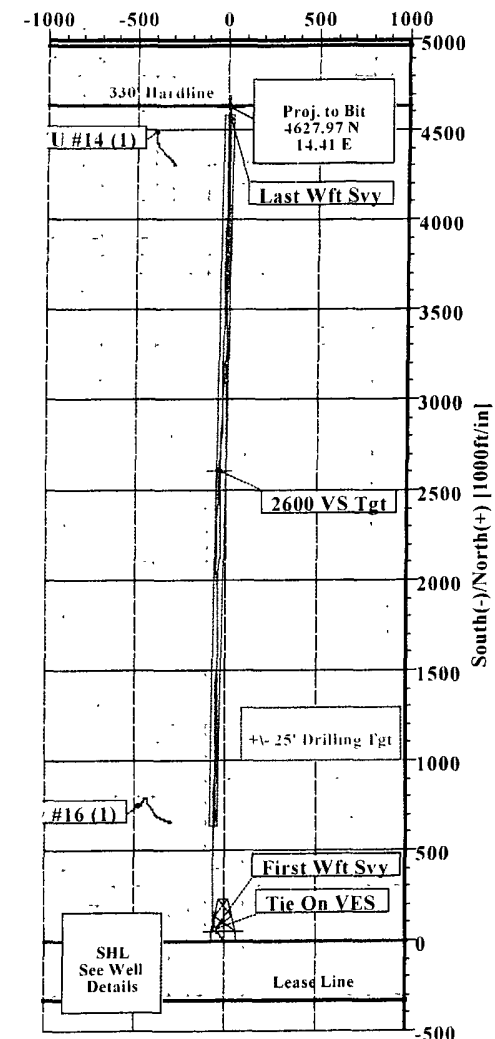


Weatherford

Vertical Section at 0.07° [500ft/in]



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



Survey: Wft Svy (3H/1)

Created By: Keith Noack

Date: 7/23/2012

**McVAY DRILLING COMPANY**

P.O. Box 2450
Hobbs, New Mexico 88241
(575) 397-3311
FAX: 39-DRILL

Well Name and Num: Coral PWU 28-3H
Location: Sec. 28, T19S, R29E
Operator: Devon
Drilling Contractor: McVay Drilling Company

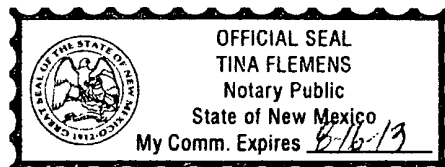
The undersigned certifies that he is an authorized representative of the drilling contractor who drilled the above described well and that he has conducted deviation tests and obtained the following results:

<u>Degrees @</u>	<u>Depth</u>	<u>Degrees @</u>	<u>Depth</u>	<u>Degrees @</u>	<u>Depth</u>	<u>Degrees @</u>	<u>Depth</u>
0.56	173	23.10	7628				
0.796	300	46.11	7851				
0.40	692	52.35	7915				
1.50	1206	71.94	8138				
0.90	1797	78.83	8202				
0.20	2176	85.20	8330				
0.60	2567	89.10	8458				
0.50	2657	93.10	8938				
0.50	3430	90.10	9419				
1.23	3939	89.50	9803				
1.00	5056	90.30	10282				
1.10	5531	92.22	10569				
3.20	5911	92.46	10761				
2.10	6854	91.94	11429				
1.30	7241	89.77	11956				
1.40	7324	90.85	12095				
4.20	7437	90.74	12190				

By: H. H. Crum

Subscribed and sworn to before me this 29th day of July, 2012

Tina Flemens
Notary Public, Lea County, New Mexico





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

July 30, 2012

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

Attn: Mark Cooper

Re: **Coral PWU 28 3H**

Please find enclosed a copy of the survey from 0' to 7,324' 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,

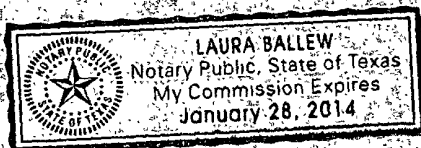
Keith Havelka
Operations

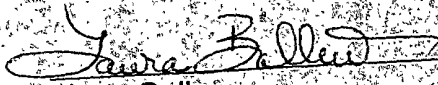
STATE OF TEXAS

COUNTY OF NUECES

§
§
§

This instrument was acknowledged before me on the 2nd day of August, A.D., 2012, by Keith Havelka.




Laura Ballew
Notary Public, State of Texas



Company: DEVON ENERGY PRODUCTION CO., LP

Lease/Well: CORAL/PWU 28-3H

Rig Name: MCVAY 6

State/County: NEW MEXICO/EDDY

Latitude: 32.63

GRID North is 0.15 Degrees East of True North

VS-Azi: 0.00 Degrees



Depth Reference : 20 FEET

DRILLOG HA GYRO SURVEY CALCULATIONS

Filename: coral pwu 28-3h.ut

Minimum Curvature Method

Report Date/Time: 7/30/2012 / 14:25

Vaughn Energy Services

Woodward, OK

580-254-5000

Surveyor: Nick Harding

Coral PWU 28 3H / API 30-015-40207

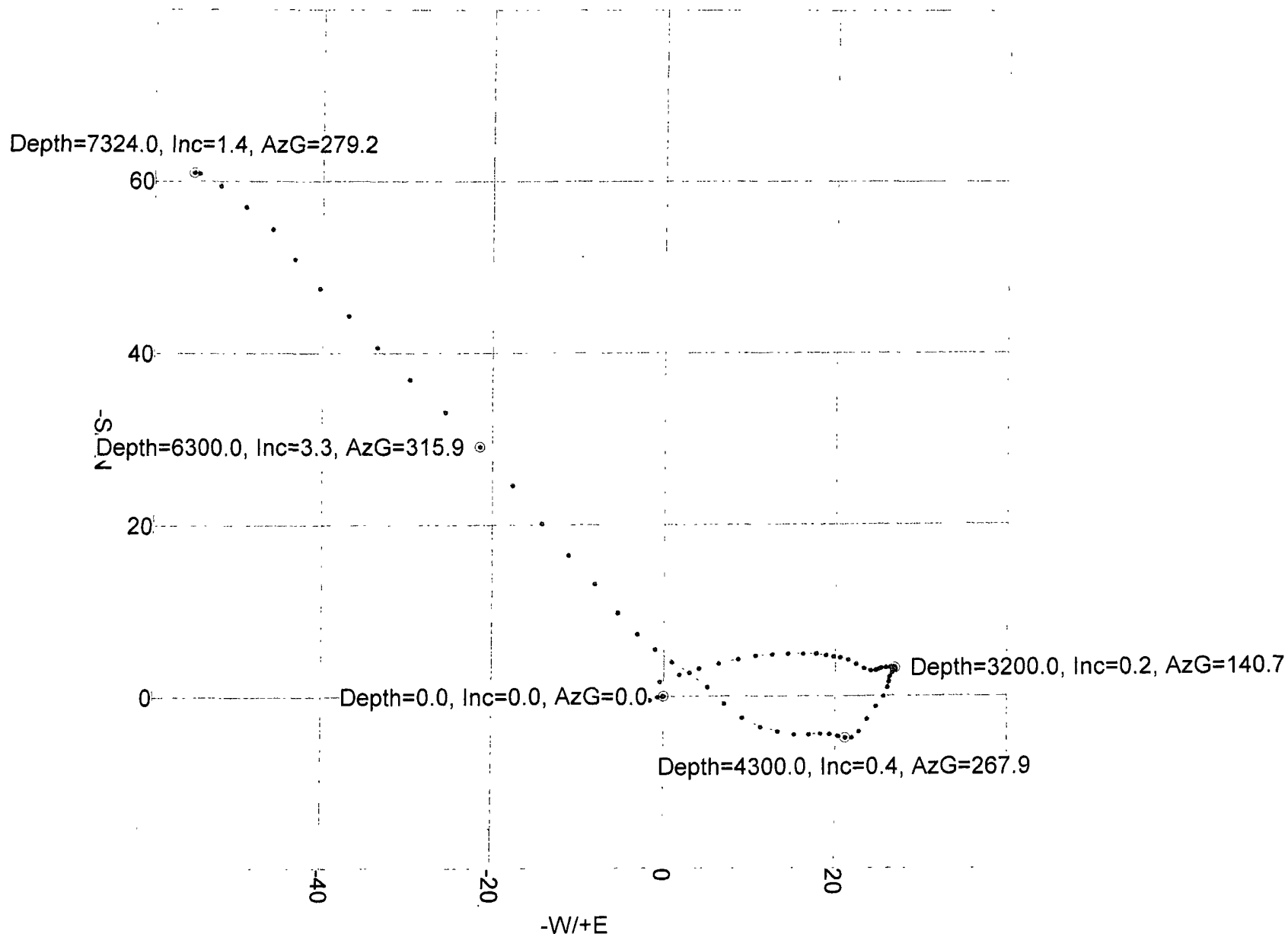
Measured Depth FT	Incl Angle Deg	Drift Direction Deg	TVD FT	+N/-S FT	+E/-W FT	Vertical Section FT	Closure Distance FT	Closure Direction Deg	Dogleg Severity Deg/100
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	****
100.00	0.18	279.28	100.00	0.02	-0.15	0.02	0.15	279.28	0.18
200.00	0.51	256.50	200.00	-0.05	-0.74	-0.05	0.74	265.82	0.35
300.00	0.59	239.45	299.99	-0.42	-1.62	-0.42	1.67	255.41	0.18
400.00	0.30	260.68	399.99	-0.73	-2.32	-0.73	2.43	252.63	0.33
500.00	0.27	262.52	499.99	-0.80	-2.82	-0.80	2.93	254.15	0.03
600.00	0.24	318.24	599.99	-0.68	-3.19	-0.68	3.26	258.03	0.24
700.00	0.52	37.75	699.99	-0.16	-3.05	-0.16	3.06	266.95	0.53
800.00	0.93	51.77	799.98	0.70	-2.13	0.70	2.25	288.24	0.45
900.00	1.32	62.79	899.96	1.73	-0.47	1.73	1.80	344.80	0.44
1000.00	1.43	75.75	999.93	2.56	1.76	2.56	3.11	34.46	0.33
1100.00	1.32	71.13	1099.90	3.24	4.06	3.24	5.19	51.36	0.16
1200.00	1.41	80.18	1199.87	3.82	6.36	3.82	7.42	58.96	0.23
1300.00	1.27	74.56	1299.85	4.33	8.64	4.33	9.66	63.37	0.19
1400.00	1.13	84.08	1399.82	4.73	10.69	4.73	11.69	66.14	0.25
1500.00	1.09	86.27	1499.81	4.89	12.62	4.89	13.53	68.81	0.06
1600.00	1.01	90.77	1599.79	4.94	14.44	4.94	15.27	71.11	0.12
1700.00	1.00	89.77	1699.77	4.93	16.20	4.93	16.93	73.06	0.02
1800.00	0.76	91.54	1799.76	4.92	17.74	4.92	18.41	74.50	0.25

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	0.58	102.87	1899.75	4.79	18.90	4.79	19.49	75.78	0.22
2000.00	0.43	98.69	1999.75	4.62	19.77	4.62	20.30	76.85	0.15
2100.00	0.49	97.97	2099.75	4.50	20.57	4.50	21.05	77.66	0.06
2200.00	0.59	114.91	2199.74	4.23	21.45	4.23	21.87	78.86	0.18
2300.00	0.62	119.98	2299.74	3.74	22.39	3.74	22.70	80.52	0.06
2400.00	0.59	117.95	2399.73	3.23	23.31	3.23	23.53	82.12	0.04
2500.00	0.41	92.46	2499.73	2.97	24.12	2.97	24.30	82.97	0.28
2600.00	0.28	76.59	2599.73	3.02	24.71	3.02	24.89	83.04	0.15
2700.00	0.10	35.07	2699.73	3.14	25.00	3.14	25.20	82.83	0.22
2800.00	0.30	78.74	2799.73	3.27	25.31	3.27	25.52	82.65	0.24
2900.00	0.37	89.61	2899.72	3.32	25.89	3.32	26.10	82.69	0.10
3000.00	0.21	88.71	2999.72	3.33	26.40	3.33	26.61	82.82	0.16
3100.00	0.16	70.15	3099.72	3.38	26.72	3.38	26.93	82.79	0.08
3200.00	0.18	140.69	3199.72	3.30	26.95	3.30	27.15	83.01	0.20
3300.00	0.19	218.20	3299.72	3.05	26.95	3.05	27.12	83.55	0.24
3400.00	0.36	233.74	3399.72	2.73	26.59	2.73	26.73	84.14	0.18
3500.00	0.34	188.56	3499.72	2.25	26.29	2.25	26.39	85.11	0.27
3600.00	0.33	180.68	3599.72	1.67	26.25	1.67	26.30	86.36	0.05
3700.00	0.49	201.32	3699.71	0.98	26.09	0.98	26.11	87.84	0.22
3800.00	0.74	208.22	3799.71	0.02	25.63	0.02	25.63	89.96	0.25
3900.00	0.98	221.96	3899.70	-1.19	24.75	-1.19	24.78	92.75	0.32
4000.00	1.10	209.20	3999.68	-2.66	23.71	-2.66	23.86	96.40	0.26
4100.00	0.95	214.14	4099.66	-4.18	22.78	-4.18	23.16	100.40	0.17
4200.00	0.43	269.21	4199.66	-4.87	21.93	-4.87	22.47	102.52	0.79
4300.00	0.45	267.88	4299.65	-4.89	21.17	-4.89	21.72	103.01	0.02
4400.00	0.56	298.07	4399.65	-4.67	20.34	-4.67	20.87	102.94	0.29
4500.00	0.66	270.81	4499.65	-4.44	19.33	-4.44	19.83	102.92	0.31
4600.00	0.57	273.85	4599.64	-4.39	18.26	-4.39	18.78	103.53	0.10
4700.00	0.97	260.55	4699.63	-4.50	16.92	-4.50	17.51	104.89	0.44
4800.00	1.04	278.10	4799.62	-4.51	15.18	-4.51	15.84	106.55	0.32
4900.00	1.17	283.69	4899.60	-4.14	13.29	-4.14	13.92	107.31	0.17
5000.00	1.23	287.06	4999.57	-3.58	11.27	-3.58	11.82	107.65	0.09
5100.00	1.53	304.70	5099.55	-2.51	9.14	-2.51	9.48	105.34	0.52
5200.00	1.52	313.11	5199.51	-0.84	7.07	-0.84	7.12	96.77	0.22
5300.00	1.60	314.72	5299.47	1.05	5.11	1.05	5.22	78.35	0.09
5400.00	1.58	301.84	5399.43	2.77	2.94	2.77	4.04	46.76	0.36
5500.00	1.21	301.37	5499.41	4.04	0.87	4.04	4.14	12.11	0.37
5600.00	1.59	310.89	5599.38	5.50	-1.09	5.50	5.61	348.84	0.45
5700.00	1.52	310.60	5699.34	7.28	-3.15	7.28	7.93	336.63	0.07

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	2.37	322.53	5799.28	9.78	-5.41	9.78	11.18	331.06	0.93
5900.00	2.59	319.16	5899.19	13.13	-8.14	13.13	15.45	328.19	0.27
6000.00	2.60	316.53	5999.08	16.48	-11.18	16.48	19.91	325.85	0.12
6100.00	2.97	322.12	6098.97	20.17	-14.33	20.17	24.74	324.61	0.47
6200.00	3.41	323.71	6198.81	24.62	-17.68	24.62	30.31	324.31	0.45
6300.00	3.34	315.93	6298.64	29.11	-21.47	29.11	36.17	323.59	0.46
6400.00	3.22	314.07	6398.47	33.16	-25.52	33.16	41.84	322.42	0.16
6500.00	3.24	310.75	6498.31	36.96	-29.68	36.96	47.40	321.24	0.19
6600.00	2.95	317.47	6598.17	40.69	-33.55	40.69	52.74	320.49	0.46
6700.00	2.76	317.60	6698.05	44.37	-36.91	44.37	57.71	320.24	0.19
6800.00	2.62	306.89	6797.94	47.51	-40.36	47.51	62.34	319.65	0.52
6900.00	2.71	330.64	6897.83	50.95	-43.35	50.95	66.89	319.61	1.10
7000.00	2.34	314.01	6997.73	54.43	-45.98	54.43	71.25	319.81	0.81
7100.00	2.39	304.48	7097.65	57.03	-49.17	57.03	75.29	319.23	0.39
7200.00	2.02	314.36	7197.58	59.44	-52.14	59.44	79.07	318.74	0.52
7300.00	1.52	279.26	7297.53	60.88	-54.71	60.88	81.86	318.05	1.17
7324.00	1.40	279.20	7321.52	60.98	-55.32	60.98	82.33	317.79	0.50



Vaughn Energy Services
Woodward, OK
580-254-5000
Surveyor: Nick Harding
Coral PWU 28 3H / API 30-015-40207



VES Survey Date: 07/13/2012