



Weatherford®

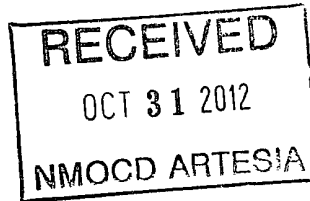
Evaluation, Drilling & Intervention

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: August 20, 2012

Attention: Stuart Spencer

15-40423

Re: Devon Energy
Well: Onyx PWU 29 #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:

<u>Name & Title Of Surveyor</u>	<u>Well Number</u>	<u>Surveyed Depths</u>	<u>Dates Performed</u>	<u>Type of Survey</u>
Jeromy Orona MWD Supervisor	2H	7293' MD 12251' MD	8/6/2012 8/18/2012	Measurement While Drilling

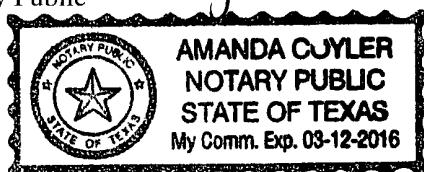
A notarized plan vs. actual is attached to the survey report. If any other information is required, please contact the undersigned at the letterhead address and phone number.

Jesse Aguilar
Area Manager

On this, the 28th day of August, 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: 8/20/2012 Time: 05:33:05 Page: 1
Field: Eddy Co., NM (NAD 83) Co-ordinate(NE) Reference: Well: Onyx PWU 29 #2H, Grid North
Site: Onyx PWU 29 #2H Vertical (TVD) Reference: SITE 3331.0
Well: Onyx PWU 29 #2H Section (VS) Reference: Well (0 00N,0.00E,90.10Azi)
Wellpath: 1 Survey Calculation Method: Minimum Curvature Db: Sybase

Survey: Wft Svy Start Date: 8/9/2012
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: Onyx PWU 29 #2H

Site Position: Northing: 594010 63 ft Latitude: 32 37 57.982 N
From: Map Easting: 611777 35 ft Longitude: 104 6 16 265 W
Position Uncertainty: 0 00 ft North Reference: Grid
Ground Level: 3312 00 ft Grid Convergence: 0.12 deg

Well: Onyx PWU 29 #2H Slot Name:
Well Position: +N/-S 0 00 ft Northing: 594010 63 ft Latitude: 32 37 57 982 N
+E/-W 0.00 ft Easting: 611777 35 ft Longitude: 104 6 16 265 W
Position Uncertainty: 0 00 ft

Wellpath: 1 Drilled From: Surface
Current Datum: SITE Height 3331 00 ft Tie-on Depth: 0.00 ft
Magnetic Data: 8/15/2012 Above System Datum: Mean Sea Level
Field Strength: 48712 nT Declination: 7.72 deg
Vertical Section: Depth From (TVD) +N/-S Mag Dip Angle: 60.44 deg
ft +E/-W Direction
deg
0.00 0 00 0.00 90 10

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
7200 00	2 17	233.79	7196.22	124 96	-73 01	0 00	-73 23	594135 59	611704 34	Tie On VES First Wft Svy
7293.00	0 28	160 26	7289.20	123 71	-74.35	2 27	-74.57	594134 34	611703 00	
7325 00	2 57	84.59	7321 19	123.70	-73 61	7 86	-73 83	594134.33	611703.74	
7357 00	6 34	88.46	7353.09	123 82	-71.13	11 81	-71 35	594134 45	611706 22	
7389 00	10.09	90 16	7384 75	123 85	-66 56	11.74	-66 78	594134.48	611710 79	
7420 00	13 92	91.04	7415 07	123.78	-60 11	12 37	-60 33	594134.41	611717 24	
7452 00	17 76	91 94	7445 85	123.54	-51.39	12 02	-51 60	594134.17	611725 96	
7484 00	21 53	93 13	7475.98	123 06	-40.64	11.85	-40 86	594133.69	611736 71	
7516 00	24 69	93 50	7505 41	122 33	-28.10	9.89	-28 32	594132.96	611749.25	
7548 00	28 60	94 77	7534 01	121 28	-13 79	12.35	-14 01	594131.91	611763.56	
7580.00	32 01	96 06	7561.63	119.75	2.28	10 85	2 07	594130.38	611779 63	
7611 00	35.20	97 67	7587.45	117 69	19.31	10 68	19 10	594128 32	611796 66	
7643 00	38.83	98.84	7612.99	114.92	38 37	11 55	38.17	594125.55	611815 72	
7675 00	42.36	98 08	7637 29	111 86	58.96	11 14	58 76	594122 49	611836 31	
7707 00	45.48	96 36	7660.34	109 08	80.98	10 44	80 79	594119 71	611858 33	
7739.00	48 98	94 72	7682.06	106 82	104.35	11 57	104 17	594117.45	611881 70	
7771 00	52.51	94.68	7702.31	104.79	129.05	11.03	128.86	594115.42	611906.40	
7803 00	55 72	94 31	7721 06	102 76	154 89	10 07	154 71	594113 39	611932 24	
7835.00	58 99	92 78	7738.32	101 10	181.78	10 98	181 60	594111 73	611959 13	
7866.00	61.15	91.56	7753.79	100.09	208.62	7.76	208.45	594110.72	611985.97	
7898.00	63 52	91.47	7768 65	99.34	236 95	7 41	236 78	594109 97	612014 30	
7930 00	67 00	92.14	7782 04	98 42	266 00	11 04	265 82	594109 05	612043 35	
7962 00	70 22	92 62	7793 71	97.18	295 76	10 16	295 59	594107 81	612073 11	
7994.00	73.10	92.81	7803.77	95.74	326.10	9.02	325 93	594106 37	612103 45	



Weatherford

WFT Survey Report X & Y's



Company: Devon Energy
Field: Eddy Co., NM (NAD 83)
Site: Onyx PWU 29 #2H
Well: Onyx PWU 29 #2H
Wellpath: 1

Date: 8/20/2012 Time: 05:33:05 Page: 2
Co-ordinate(NE) Reference: Well: Onyx PWU 29 #2H, Grd North
Vertical (TVD) Reference: SITE 3331.0
Section (VS) Reference: Well (0.00N,0.00E,90.10Azi)
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
8026.00	75.36	92.82	7812.47	94.23	356.85	7.06	356.69	594104.86	612134.20	
8058.00	77.66	92.36	7819.93	92.83	387.94	7.32	387.78	594103.46	612165.29	
8090.00	80.30	91.13	7826.05	91.87	419.33	9.07	419.17	594102.50	612196.68	
8121.00	83.76	91.24	7830.35	91.24	450.02	11.17	449.86	594101.87	612227.37	
8153.00	87.69	92.32	7832.73	90.25	481.91	12.73	481.75	594100.88	612259.26	
8185.00	90.00	93.36	7833.38	88.66	513.86	7.92	513.70	594099.29	612291.21	
8218.00	90.14	93.27	7833.34	86.75	546.80	0.50	546.65	594097.38	612324.15	
8249.00	89.23	92.57	7833.51	85.17	577.76	3.70	577.61	594095.80	612355.11	
8281.00	89.30	92.43	7833.92	83.78	609.73	0.49	609.58	594094.41	612387.08	
8313.00	89.44	92.18	7834.27	82.49	641.70	0.90	641.56	594093.12	612419.05	
8345.00	89.51	92.39	7834.56	81.21	673.68	0.69	673.53	594091.84	612451.03	
8377.00	89.65	92.28	7834.80	79.91	705.65	0.56	705.51	594090.54	612483.00	
8409.00	89.79	92.72	7834.95	78.51	737.62	1.44	737.48	594089.14	612514.97	
8441.00	90.00	92.85	7835.01	76.96	769.58	0.77	769.44	594087.59	612546.93	
8473.00	89.65	91.79	7835.11	75.66	801.55	3.49	801.42	594086.29	612578.90	
8505.00	89.72	91.18	7835.29	74.84	833.54	1.92	833.41	594085.47	612610.89	
8536.00	89.86	91.09	7835.40	74.22	864.53	0.54	864.40	594084.85	612641.88	
8568.00	89.93	91.29	7835.46	73.56	896.53	0.66	896.40	594084.19	612673.88	
8664.00	89.44	90.67	7835.99	71.91	992.51	0.82	992.38	594082.54	612769.86	
8759.00	88.04	89.64	7838.08	71.66	1087.48	1.83	1087.36	594082.29	612864.83	
8855.00	88.11	89.66	7841.30	72.24	1183.43	0.08	1183.30	594082.87	612960.78	
8950.00	88.11	90.16	7844.43	72.39	1278.38	0.53	1278.25	594083.02	613055.73	
9046.00	88.18	90.88	7847.54	71.52	1374.32	0.75	1374.19	594082.15	613151.67	
9141.00	88.25	90.62	7850.50	70.28	1469.27	0.28	1469.14	594080.91	613246.62	
9237.00	88.39	90.68	7853.32	69.19	1565.22	0.16	1565.10	594079.82	613342.57	
9332.00	88.46	90.73	7855.93	68.02	1660.18	0.09	1660.06	594078.65	613437.53	
9428.00	89.79	90.70	7857.39	66.82	1756.16	1.39	1756.04	594077.45	613533.51	
9524.00	90.00	91.02	7857.57	65.38	1852.14	0.40	1852.03	594076.01	613629.49	
9619.00	90.00	90.84	7857.57	63.84	1947.13	0.19	1947.02	594074.47	613724.48	
9715.00	90.35	90.90	7857.28	62.38	2043.12	0.37	2043.01	594073.01	613820.47	
9810.00	90.77	90.98	7856.35	60.83	2138.10	0.45	2137.99	594071.46	613915.45	
9906.00	90.98	91.27	7854.88	58.94	2234.07	0.37	2233.97	594069.57	614011.42	
10002.00	91.12	91.16	7853.12	56.91	2330.04	0.19	2329.93	594067.54	614107.39	
10098.00	91.47	91.23	7850.95	54.90	2425.99	0.37	2425.89	594065.53	614203.34	
10194.00	90.63	91.90	7849.19	52.28	2521.94	1.12	2521.84	594062.91	614299.29	
10289.00	88.60	91.83	7849.83	49.19	2616.88	2.14	2616.79	594059.82	614394.23	
10385.00	89.02	91.74	7851.82	46.20	2712.81	0.45	2712.73	594056.83	614490.16	
10480.00	89.44	91.84	7853.10	43.23	2807.76	0.45	2807.68	594053.86	614585.11	
10576.00	89.37	92.31	7854.10	39.76	2903.69	0.49	2903.61	594050.39	614681.04	
10672.00	89.58	92.26	7854.98	35.93	2999.61	0.22	2999.54	594046.56	614776.96	
10768.00	89.86	92.59	7855.45	31.87	3095.52	0.45	3095.46	594042.50	614872.87	
10864.00	90.21	92.63	7855.39	27.50	3191.42	0.37	3191.37	594038.13	614968.77	
10960.00	90.63	92.73	7854.68	23.01	3287.31	0.45	3287.27	594033.64	615064.66	
11056.00	90.84	93.36	7853.45	17.91	3383.17	0.69	3383.13	594028.54	615160.52	
11152.00	91.05	93.65	7851.87	12.04	3478.98	0.37	3478.95	594022.67	615256.33	
11248.00	91.05	93.47	7850.11	6.08	3574.77	0.19	3574.76	594016.71	615352.12	
11342.00	91.12	93.51	7848.33	0.36	3668.58	0.09	3668.58	594010.99	615445.93	
11437.00	91.26	93.27	7846.36	-5.26	3763.40	0.29	3763.40	594005.37	615540.75	
11533.00	89.30	93.10	7845.89	-10.59	3859.24	2.05	3859.26	594000.04	615636.59	
11628.00	88.88	90.96	7847.40	-13.95	3954.17	2.30	3954.18	593996.68	615731.52	
11723.00	88.39	90.35	7849.66	-15.04	4049.13	0.82	4049.15	593995.59	615826.48	
11818.00	88.53	90.42	7852.21	-15.68	4144.09	0.16	4144.12	593994.95	615921.44	



Weatherford

WFT Survey Report X & Y's



Company: Devon Energy
Field: Eddy Co., NM (NAD.83)
Site: Onyx PWU 29 #2H
Well: Onyx PWU 29 #2H
Wellpath: 1

Date: 8/20/2012
Co-ordinate(NE) Reference: Well: Onyx PWU 29 #2H, Grnd North
Vertical (TVD) Reference: SITE 3331 0
Section (VS) Reference: Well (0.00N,0 00E,90.10Azi)
Survey Calculation Method: Minimum Curvature
Db: Sybase

Time: 05:33:05
Page: 3

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
11913 00	88 60	90 81	7854 59	-16 70	4239 06	0 42	4239.08	593993 93	616016.41	
12008 00	88 46	90 72	7857 03	-17.97	4334 02	0 18	4334.04	593992.66	616111.37	
12103 00	88 46	90 88	7859 58	-19.29	4428.98	0 17	4429 00	593991 34	616206 33	
12197 00	88 74	91 24	7861 88	-21 03	4522 93	0.49	4522 96	593989 60	616300.28	
12251 00	89 02	91 43	7862 94	-22 29	4576.91	0 63	4576 94	593988 34	616354.26	Last Wft Svy
12304 00	89 02	91.43	7863 84	-23.61	4629.88	0 00	4629 92	593987 02	616407 23	Proj. To Bit

Annotation

MD ft	TVD ft	
7200.00	7196.22	Tie On VES
7293 00	7289.20	First Wft Svy
12251 00	7862 94	Last Wft Svy
12304 00	7863.84	Proj To Bit



Onyx PWU 29 #2H
Eddy Co, NM

KB ELEV: 3331
GL ELEV: 3312

SECTION DETAILS

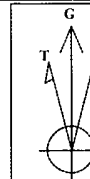
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	10247.00	90.17	92.27	7848.82	50.32	2574.90	0.00	0.00	2574.81	
2	10280.24	89.40	91.63	7848.95	49.19	2608.12	3.00	-140.18	2608.03	
3	12304.43	89.40	91.63	7870.00	-8.43	4631.38	0.00	0.00	4631.39	PBHL

WELL DETAILS

Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
Onyx PWU 29 #2H	0.00	0.00	594010.63	611777.35	32°37'57.982N	104°06'16.265W	N/A

TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
Tgt	7861.00	-4.20	2309.88	594006.43	614087.23	32°37'57.890N	104°05'49.253W	Point
PBHL	7870.00	-8.43	4631.38	594002.20	616408.73	32°37'57.797N	104°05'22.105W	Rectangle (2053x50)



Azimuths to Grid North
True North: -0.12°
Magnetic North: 7.60°

Magnetic Field
Strength: 48712nT
Dip Angle: 60.44°
Date: 8/15/2012
Model: IGRF2010

Total Correction to Grid North: 7.60°

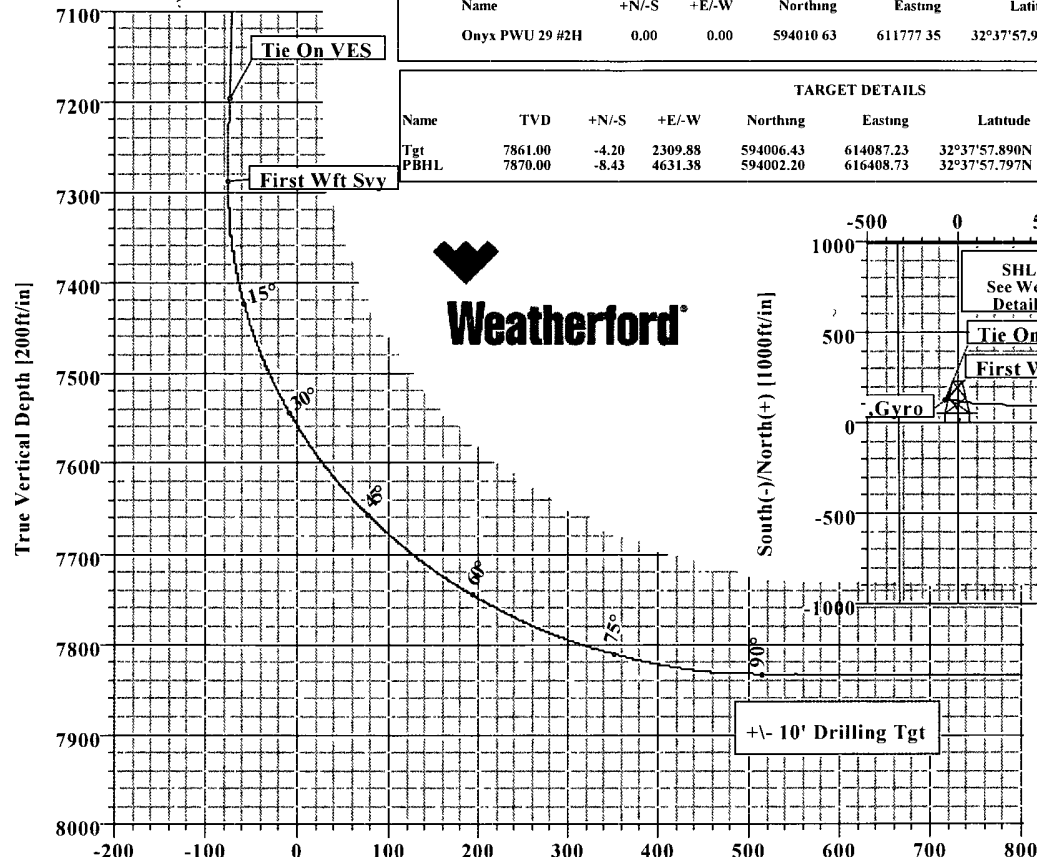
FIELD DETAILS

Eddy Co., NM (NAD 83)

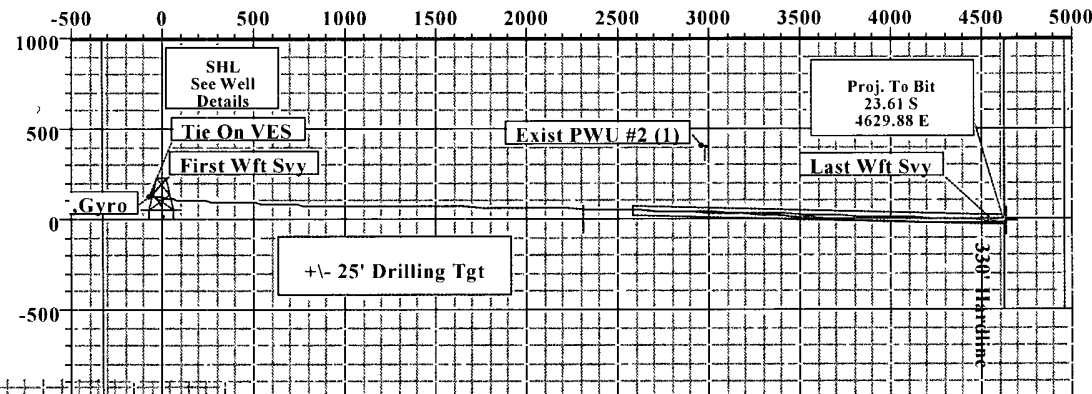
Geodetic System: US State Plane Coordinate System 1983
Ellipsoid: GRS 1980

Zone: New Mexico, Eastern Zone
Magnetic Model: IGRF2010

System Datum: Mean Sea Level
Local North: Grid North



South(-)/North(+) [1000ft/in]



LEGEND

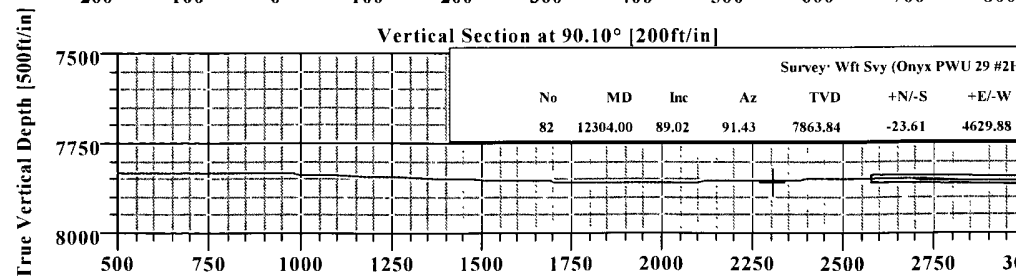
- Onyx PWU 29 #2H, 1. Plan #4
- Onyx PWU 29 #2H, 1. Gyro
- Exist PWU #2 (1)
- Wft Svy

SITE DETAILS

Onyx PWU 29 #2H

Site Centre Northing: 594010.63
Easting: 611777.35

Ground Level: 3312.00
Positional Uncertainty: 0.00
Convergence: 0.12



Vertical Section at 90.10° [200ft/in]

Vertical Section at 90.10° [500ft/in]

Survey: Wft Svy (Onyx PWU 29 #2H/1)

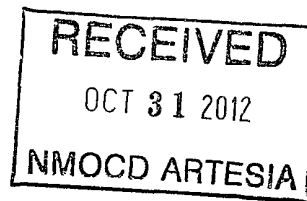
Created By: Russell W. Joyner

Date: 8/20/2012

**McVAY DRILLING COMPANY**

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

Well Name and Num: Onyx PWU 29-2H
Location: Sec. 29, T19S, R29E
Operator: Devon
Drilling Contractor: McVay Drilling Company



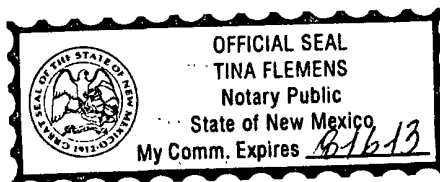
The undersigned certifies that he is an authorized representative of the drilling contractor who drilled the above described well and that he has conducted deviation tests and obtained the following results:

<u>Degrees @</u>	<u>Depth</u>	<u>Degrees @</u>	<u>Depth</u>	<u>Degrees @</u>	<u>Depth</u>	<u>Degrees @</u>	<u>Depth</u>
1.10	650	45.60	7707				
0.60	1170	67.00	7930				
0.90	1579	90.00	8185				
0.40	2079	89.30	8313				
0.30	2579	89.70	8473				
0.50	3110	89.90	8568				
1.10	3614	89.90	8826				
1.80	4277	88.40	9332				
1.90	4752	88.60	9832				
2.00	5051	88.60	10189				
2.20	5321	89.60	10676				
4.33	5793	90.60	10960				
4.30	6166	91.26	11437				
2.10	6543	89.30	11533				
2.70	6740	88.88	11628				
2.44	7325	88.74	12197				
35.20	7611						

By: [Signature]

Subscribed and sworn to before me this 30th day of August, 2012

[Signature]
Notary Public, Lea County, New Mexico





A GYRO TECHNOLOGIES INC. COMPANY

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



August 15, 2012

Devon Energy Production Co., L. P.
333 West Sheridan Ave
Oklahoma City, Oklahoma 73102-5010

Attn: Mark Cooper

Re: **Onyx PWU 29 No. 002H**

Please find enclosed a copy of the survey from 0.00' to 7200.00' 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.

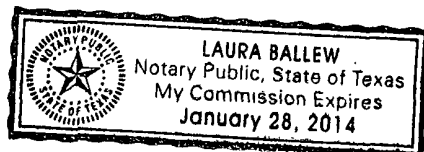
Sincerely,

Keith Havelka
Operations

STATE OF TEXAS §
 §
COUNTY OF NUECES §

This instrument was acknowledged before me on the 15th day of August, A.D., 2012, by Keith Havelka.

Laura Ballew
Notary Public, State of Texas





Company: Devon Energy Production Co., LP

Lease/Well: Onyx PWU 29 / No. 002H

Location:

Rig Name: McVay 6

State/County: New Mexico / Eddy

Latitude: 32.63

GRID North is 0.12 Degrees East of True North

VS-Azi: 90.10 Degrees



Depth Reference : RKB= 19'

DRILLOG HA GYRO SURVEY CALCULATIONS

Filename: onyx pwv 29-2h gyro survey 2.ut

Minimum Curvature Method

Report Date/Time: 8/15/2012 / 08:30

Vaughn Energy Services

Gardendale, Texas

432-563-5444

Surveyor: Chris Tallant

Onyx PWU 29 No. 002H / API 30-015-40423

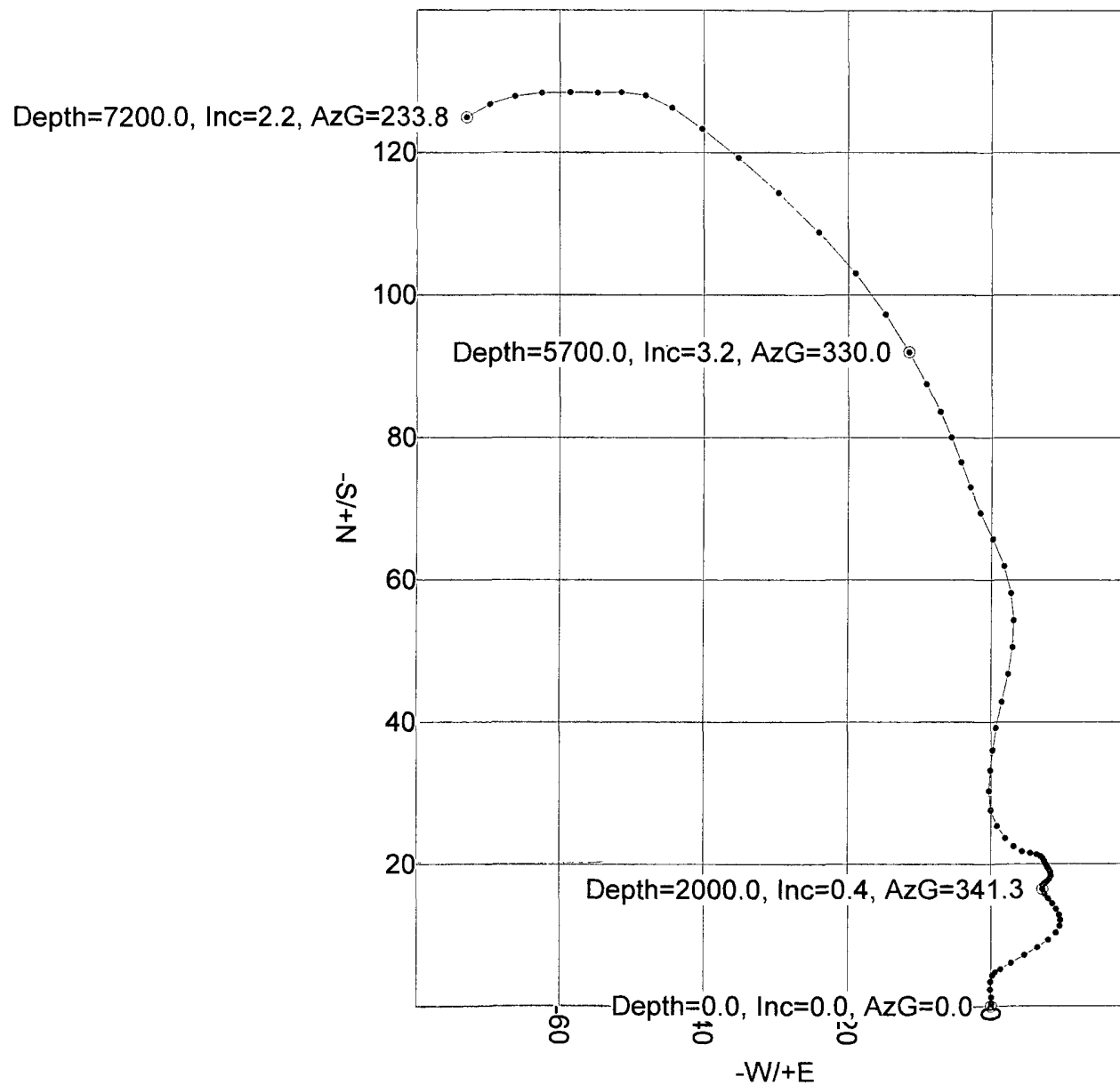
Measured Depth FT	Incl Angle Deg	Drift Direction Deg	TVD FT	+N/-S FT	+E/-W FT	Vertical Section FT	Closure Distance FT	Closure Direction Deg	Dogleg Severity Deg/100
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	****
100.00	0.43	8.86	100.00	0.37	0.06	0.06	0.38	8.86	0.43
200.00	0.63	348.90	199.99	1.28	0.01	0.01	1.28	0.47	0.27
300.00	0.64	357.06	299.99	2.38	-0.12	-0.13	2.38	357.02	0.09
400.00	0.64	5.21	399.98	3.49	-0.10	-0.11	3.49	358.34	0.09
500.00	0.44	34.17	499.98	4.36	0.16	0.16	4.37	2.16	0.34
600.00	0.23	63.12	599.98	4.77	0.56	0.55	4.81	6.71	0.26
700.00	0.74	60.91	699.97	5.18	1.30	1.30	5.34	14.14	0.50
800.00	1.24	58.70	799.96	6.05	2.79	2.78	6.66	24.75	0.50
900.00	1.21	59.01	899.93	7.16	4.62	4.60	8.52	32.83	0.03
1000.00	1.18	59.33	999.91	8.22	6.41	6.39	10.42	37.92	0.03
1100.00	0.94	49.59	1099.90	9.28	7.92	7.90	12.20	40.46	0.30
1200.00	0.71	39.84	1199.89	10.29	8.94	8.92	13.63	40.98	0.27
1300.00	0.56	15.52	1299.88	11.23	9.46	9.44	14.68	40.11	0.30
1400.00	0.41	353.46	1399.88	12.06	9.55	9.53	15.38	38.38	0.23
1500.00	0.49	340.13	1499.87	12.82	9.37	9.34	15.87	36.16	0.13
1600.00	0.56	329.07	1599.87	13.63	8.97	8.95	16.32	33.35	0.12
1700.00	0.53	324.69	1699.86	14.43	8.46	8.43	16.72	30.38	0.05
1800.00	0.50	320.32	1799.86	15.13	7.91	7.89	17.08	27.61	0.05

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	0.43	330.82	1899.86	15.80	7.45	7.43	17.47	25.27	0.11
2000.00	0.37	341.33	1999.85	16.43	7.17	7.14	17.92	23.58	0.10
2100.00	0.28	22.41	2099.85	16.96	7.16	7.13	18.41	22.89	0.24
2200.00	0.20	63.50	2199.85	17.26	7.41	7.38	18.78	23.23	0.19
2300.00	0.26	50.18	2299.85	17.48	7.74	7.71	19.12	23.87	0.09
2400.00	0.33	36.86	2399.85	17.86	8.09	8.06	19.61	24.36	0.10
2500.00	0.30	6.73	2499.85	18.35	8.29	8.26	20.14	24.32	0.17
2600.00	0.26	336.60	2599.85	18.82	8.23	8.20	20.54	23.63	0.15
2700.00	0.25	331.67	2699.85	19.22	8.04	8.00	20.84	22.69	0.02
2800.00	0.24	326.74	2799.85	19.59	7.82	7.79	21.10	21.76	0.02
2900.00	0.26	331.66	2899.84	19.97	7.60	7.56	21.36	20.83	0.03
3000.00	0.28	336.58	2999.84	20.40	7.39	7.35	21.69	19.92	0.03
3100.00	0.26	322.75	3099.84	20.80	7.16	7.12	22.00	18.98	0.07
3200.00	0.23	308.93	3199.84	21.11	6.86	6.82	22.19	18.01	0.06
3300.00	0.43	290.98	3299.84	21.37	6.35	6.31	22.29	16.55	0.22
3400.00	0.63	273.03	3399.84	21.53	5.45	5.41	22.21	14.20	0.26
3500.00	0.73	291.21	3499.83	21.79	4.30	4.26	22.22	11.17	0.24
3600.00	0.83	309.39	3599.82	22.49	3.15	3.11	22.70	7.97	0.27
3700.00	1.07	319.88	3699.81	23.66	1.98	1.94	23.74	4.79	0.30
3800.00	1.31	330.38	3799.78	25.37	0.81	0.77	25.39	1.84	0.32
3900.00	1.49	346.34	3899.75	27.64	-0.06	-0.11	27.64	359.88	0.43
4000.00	1.67	2.31	3999.72	30.35	-0.31	-0.36	30.36	359.42	0.47
4100.00	1.65	4.86	4099.68	33.24	-0.13	-0.19	33.24	359.78	0.08
4200.00	1.63	7.41	4199.63	36.08	0.18	0.11	36.08	0.28	0.08
4300.00	1.99	10.78	4299.58	39.19	0.68	0.62	39.20	1.00	0.38
4400.00	2.35	14.15	4399.51	42.88	1.51	1.44	42.91	2.02	0.38
4500.00	2.25	10.55	4499.43	46.80	2.37	2.29	46.86	2.90	0.18
4600.00	2.15	6.95	4599.36	50.59	2.96	2.87	50.68	3.35	0.17
4700.00	2.18	358.46	4699.29	54.35	3.13	3.04	54.44	3.30	0.32
4800.00	2.21	349.96	4799.21	58.15	2.75	2.64	58.22	2.70	0.33
4900.00	2.30	341.47	4899.14	61.95	1.77	1.66	61.98	1.64	0.35
5000.00	2.39	332.97	4999.05	65.71	0.19	0.07	65.71	0.16	0.36
5100.00	2.29	336.40	5098.97	69.39	-1.56	-1.68	69.41	358.72	0.17
5200.00	2.18	339.82	5198.89	73.01	-3.01	-3.14	73.07	357.64	0.17
5300.00	2.16	338.99	5298.82	76.55	-4.34	-4.48	76.67	356.75	0.04
5400.00	2.13	338.15	5398.75	80.03	-5.71	-5.85	80.23	355.92	0.04
5500.00	2.35	335.70	5498.68	83.62	-7.24	-7.39	83.94	355.05	0.24
5600.00	2.58	333.25	5598.58	87.50	-9.10	-9.25	87.97	354.06	0.25
5700.00	3.25	330.02	5698.45	91.96	-11.53	-11.69	92.68	352.86	0.69

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	3.91	326.80	5798.26	97.27	-14.81	-14.98	98.39	351.34	0.70
5900.00	4.26	321.41	5898.00	103.03	-19.00	-19.18	104.76	349.55	0.52
6000.00	4.61	316.02	5997.71	108.82	-24.10	-24.29	111.46	347.51	0.54
6100.00	4.36	313.20	6097.40	114.32	-29.67	-29.87	118.11	345.45	0.33
6200.00	4.12	310.37	6197.13	119.25	-35.18	-35.38	124.33	343.56	0.32
6300.00	3.34	306.91	6296.91	123.32	-40.24	-40.45	129.72	341.93	0.81
6400.00	2.56	303.44	6396.78	126.30	-44.43	-44.65	133.89	340.62	0.80
6500.00	2.16	285.38	6496.70	128.03	-48.11	-48.34	136.78	339.40	0.84
6600.00	1.76	267.32	6596.64	128.46	-51.47	-51.69	138.39	338.17	0.73
6700.00	2.05	269.46	6696.58	128.37	-54.79	-55.02	139.58	336.89	0.30
6800.00	2.35	271.60	6796.51	128.41	-58.63	-58.85	141.16	335.46	0.30
6900.00	2.21	265.70	6896.43	128.33	-62.60	-62.82	142.78	334.00	0.27
7000.00	2.07	259.80	6996.36	127.86	-66.30	-66.52	144.03	332.59	0.26
7100.00	2.12	246.80	7096.29	126.81	-69.78	-70.01	144.74	331.18	0.48
7200.00	2.17	233.79	7196.22	124.96	-73.01	-73.23	144.73	329.70	0.49



Vaughn Energy Services
Gardendale, Texas
432-563-5444
Surveyor: Chris Tallant
Onyx PWU 29 No. 002H / API 30-015-40423



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