

A GYRO TECHNOLOGIES INC. COMPANY

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

30-015-41014

February 12, 2014

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

Attn: David Cook

Re: **Diamond PWU 22 No. 008H**

Please find enclosed a copy of the survey from 0.00' to 7700.00' 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.

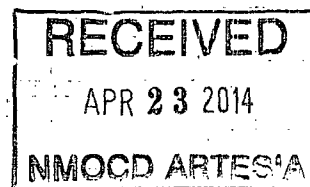
Sincerely,

Keith Havelka
Operations

STATE OF TEXAS §

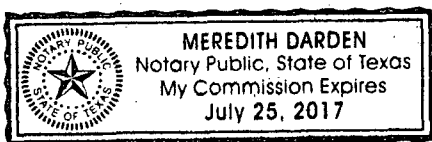
§

COUNTY OF NUECES §



This instrument was acknowledged before me on the 12th day of February A.D., 2014, by Keith Havelka.

Meredith Darden
Notary Public, State of Texas





Company: Devon Energy
 Lease/Well: Diamond PWU 22/No. 008H
 Location: S21 T18s R29e
 Rig Name: Scan Texas
 State/County: New Mexico/Eddy
 Latitude: 32.64, Longitude: -104.07
 GRID North is 0.14 Degrees East of True North
 VS-Azi: 0.00 Degrees



RKB : 26 Feet

DRILLOG HA GYRO SURVEY CALCULATIONS

Filename: ...ond pwu 22 #8h gyro survey.ut

Minimum Curvature Method

Report Date/Time: 2/12/2014 / 14:39

Vaughn Energy Services

Gardendale, TX 79758

(432) 563-5444

Surveyor: Dustin Wedel

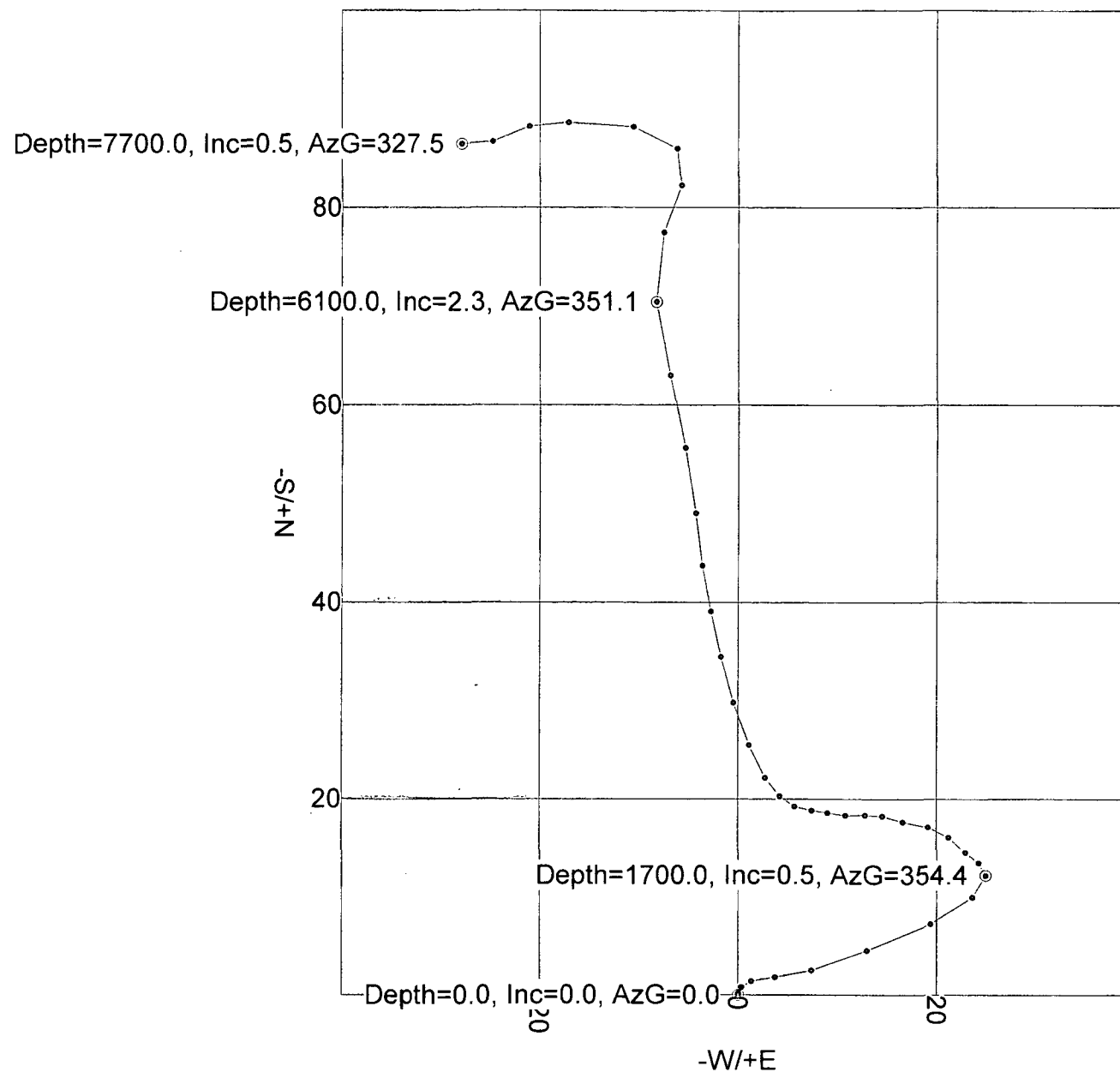
Diamond PWU 22 No. 008H / API 30-015-41014

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	0.20	8.58	100.00	0.18	0.03	0.18	0.18	8.58	0.20
300.00	0.22	39.92	300.00	0.82	0.32	0.82	0.88	21.53	0.06
500.00	0.49	66.64	499.99	1.45	1.35	1.45	1.98	42.99	0.16
700.00	0.91	88.64	699.98	1.82	3.73	1.82	4.15	63.94	0.25
900.00	1.22	72.07	899.94	2.52	7.35	2.52	7.77	71.10	0.22
1100.00	2.17	68.65	1099.85	4.56	12.92	4.56	13.70	70.57	0.48
1300.00	1.82	65.35	1299.73	7.26	19.34	7.26	20.66	69.42	0.18
1500.00	1.13	44.48	1499.67	10.00	23.62	10.00	25.64	67.05	0.43
1700.00	0.46	354.39	1699.65	12.20	24.92	12.20	27.74	63.90	0.45
1900.00	0.45	307.88	1899.64	13.49	24.22	13.49	27.72	60.90	0.18
2100.00	0.55	308.42	2099.64	14.56	22.86	14.56	27.10	57.51	0.05
2300.00	0.75	317.13	2299.62	16.11	21.22	16.11	26.64	52.79	0.11
2500.00	0.70	273.86	2499.61	17.16	19.11	17.16	25.68	48.07	0.27
2700.00	0.79	287.72	2699.59	17.66	16.57	17.66	24.22	43.18	0.10
2900.00	0.44	282.75	2899.58	18.25	14.51	18.25	23.31	38.48	0.17
3100.00	0.56	265.61	3099.57	18.35	12.78	18.35	22.36	34.86	0.09
3300.00	0.58	273.31	3299.56	18.33	10.79	18.33	21.27	30.49	0.04
3500.00	0.46	283.46	3499.55	18.58	8.99	18.58	20.64	25.82	0.08

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
3700.00	0.45	273.87	3699.55	18.82	7.41	18.82	20.23	21.50	0.04
3900.00	0.58	291.58	3899.54	19.25	5.68	19.25	20.07	16.44	0.10
4100.00	0.50	322.40	4099.53	20.31	4.21	20.31	20.74	11.70	0.15
4300.00	0.85	321.61	4299.52	22.16	2.75	22.16	22.33	7.08	0.18
4500.00	1.31	341.79	4499.48	25.50	1.11	25.50	25.53	2.50	0.29
4700.00	1.32	337.81	4699.43	29.81	-0.47	29.81	29.82	359.09	0.05
4900.00	1.46	350.97	4899.37	34.46	-1.75	34.46	34.51	357.10	0.17
5100.00	1.26	343.49	5099.31	39.07	-2.77	39.07	39.17	355.95	0.13
5300.00	1.46	354.57	5299.26	43.70	-3.63	43.70	43.86	355.25	0.16
5500.00	1.61	351.57	5499.19	49.01	-4.28	49.01	49.19	355.01	0.09
5700.00	2.25	350.37	5699.07	55.66	-5.35	55.66	55.92	354.51	0.32
5900.00	2.03	346.81	5898.93	62.98	-6.82	62.98	63.35	353.82	0.13
6100.00	2.33	351.14	6098.79	70.44	-8.25	70.44	70.92	353.32	0.17
6300.00	1.90	24.58	6298.66	77.46	-7.49	77.46	77.82	354.47	0.64
6500.00	1.04	12.14	6498.59	82.24	-5.74	82.24	82.44	356.01	0.46
6700.00	1.20	338.36	6698.56	85.96	-6.13	85.96	86.18	355.92	0.34
6900.00	2.10	274.08	6898.48	88.17	-10.55	88.17	88.80	353.18	0.96
7100.00	1.66	273.30	7098.38	88.60	-17.09	88.60	90.23	349.08	0.22
7300.00	0.68	242.89	7298.33	88.22	-21.04	88.22	90.70	346.59	0.56
7500.00	1.60	249.32	7498.29	86.69	-24.72	86.69	90.15	344.09	0.46
7700.00	0.51	327.47	7698.26	86.45	-27.82	86.45	90.82	342.16	0.79



Vaughn Energy Services
Gardendale, TX 79758
(432) 563-5444
Surveyor: Dustin Wedel
Diamond PWU 22 No. 008H / API 30-015-41014



-W/+E
VES Survey Date: 01/17/2014



DIAMOND PWU 22-8H

WEST UNRESTRICTED

Directional Survey

District	County	Field Name		Project Group	State/Province		
PERMIAN BASIN	EDDY	PARKWAY WEST		DELAWARE BASIN	NM		
Surface Legal Location	API/UWI	Latitude (°)	Longitude (°)	Ground Elev...	KB - GL (ft)	Orig KB Elev (ft)	Tubing Head Elevation (ft)
SEC21 T19S R29E	3001541014	32° 38' 28.693" N	104° 4' 25.618" W	3,339.80	26.00	3,365.80	

Wellbores

Wellbore Name	Parent Wellbore	Kick Off Depth (ftKB)	Vertical Section Direction (°)
OH			89.79
Actual Deviation Survey	Definitive?	Proposed?	Proposed Deviation Survey

Deviation Survey

Date		Description			
MD Tie In (ftKB)	TVD Tie In (ftKB)	Inclination Tie In (°)	Azimuth Tie In (°)	NSTie In (ft)	EW Tie In (ft)

Survey Data

Date	MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	VS (ft)	N/S (ft)	E/W (ft)	DLS (°/100ft)	Survey Tool	Survey Company
Wellbore Name			Parent Wellbore		Kick Off Depth (ftKB)			Vertical Section Direction (°)		
ST01			OH		6,456.0			91.86		
Actual Deviation Survey					Definitive?	Proposed?	Proposed Deviation Survey			
GYRO/MWD, Proposed? No					No	No				

Deviation Survey

Date		Description									
1/18/2014		GYRO/MWD									
MD Tie In (ftKB)		TVD Tie In (ftKB)		Inclination Tie In (°)		Azimuth Tie In (°)		NSTie In (ft)		EW Tie In (ft)	
0.00		0.00		0.00		0.00		0.00		0.00	

Survey Data

Date	MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	VS (ft)	N/S (ft)	E/W (ft)	DLS (°/100ft)	Survey Tool	Survey Company
1/26/2014				0.00	0.00	0.00	0.00	0.00	MWD	LEAM DRILLING SYSTEMS
1/18/2014	100.00	0.20	8.58	100.00	0.02	0.17	0.03	0.20	GYRO	VAUHGN ENERGY SERVICES
1/18/2014	300.00	0.22	39.92	300.00	0.30	0.81	0.32	0.06	GYRO	VAUHGN ENERGY SERVICES
1/18/2014	500.00	0.49	66.64	499.99	1.31	1.45	1.36	0.15	GYRO	VAUHGN ENERGY SERVICES
1/18/2014	700.00	0.91	88.64	699.98	3.67	1.82	3.73	0.25	GYRO	VAUHGN ENERGY SERVICES
1/18/2014	900.00	1.22	72.07	899.95	7.26	2.52	7.34	0.22	GYRO	VAUHGN ENERGY SERVICES
1/18/2014	1,100.00	2.17	68.65	1,099.86	12.74	4.55	12.89	0.48	GYRO	VAUHGN ENERGY SERVICES
1/18/2014	1,300.00	1.82	65.35	1,299.73	19.06	7.25	19.31	0.18	GYRO	VAUHGN ENERGY SERVICES
1/18/2014	1,500.00	1.13	44.48	1,499.67	23.24	9.98	23.58	0.43	GYRO	VAUHGN ENERGY SERVICES
1/18/2014	1,700.00	0.46	354.39	1,699.65	24.47	12.19	24.88	0.45	GYRO	VAUHGN ENERGY SERVICES
1/18/2014	1,900.00	0.45	307.88	1,899.64	23.73	13.47	24.18	0.18	GYRO	VAUHGN ENERGY SERVICES
1/18/2014	2,100.00	0.55	308.42	2,099.64	22.33	14.55	22.81	0.05	GYRO	VAUHGN ENERGY SERVICES
1/18/2014	2,300.00	0.75	317.13	2,299.62	20.63	16.11	21.17	0.11	GYRO	VAUHGN ENERGY SERVICES
1/18/2014	2,500.00	0.70	273.86	2,499.61	18.49	17.15	19.06	0.27	GYRO	VAUHGN ENERGY SERVICES
1/18/2014	2,700.00	0.79	287.72	2,699.59	15.94	17.65	16.52	0.10	GYRO	VAUHGN ENERGY SERVICES
1/18/2014	2,900.00	0.44	282.75	2,899.58	13.86	18.24	14.46	0.18	GYRO	VAUHGN ENERGY SERVICES
1/18/2014	3,100.00	0.56	265.61	3,099.57	12.14	18.33	12.74	0.10	GYRO	VAUHGN ENERGY SERVICES
1/18/2014	3,300.00	0.58	273.31	3,299.56	10.15	18.32	10.75	0.04	GYRO	VAUHGN ENERGY SERVICES
1/18/2014	3,500.00	0.46	283.46	3,499.55	8.36	18.56	8.96	0.08	GYRO	VAUHGN ENERGY SERVICES
1/18/2014	3,700.00	0.45	273.87	3,699.55	6.78	18.80	7.40	0.04	GYRO	VAUHGN ENERGY SERVICES
1/18/2014	3,900.00	0.58	291.58	3,899.54	5.05	19.23	5.67	0.10	GYRO	VAUHGN ENERGY SERVICES
1/18/2014	4,100.00	0.50	322.40	4,099.53	3.54	20.29	4.20	0.15	GYRO	VAUHGN ENERGY SERVICES
1/18/2014	4,300.00	0.85	321.61	4,299.52	2.03	22.15	2.75	0.18	GYRO	VAUHGN ENERGY SERVICES
1/18/2014	4,500.00	1.31	341.79	4,499.48	0.28	25.48	1.11	0.30	GYRO	VAUHGN ENERGY SERVICES
1/18/2014	4,700.00	1.32	337.81	4,699.43	-1.44	29.79	-0.47	0.05	GYRO	VAUHGN ENERGY SERVICES
1/18/2014	4,900.00	1.46	350.97	4,899.37	-2.86	34.43	-1.74	0.17	GYRO	VAUHGN ENERGY SERVICES
1/18/2014	5,100.00	1.26	343.49	5,099.31	-4.04	39.06	-2.77	0.13	GYRO	VAUHGN ENERGY SERVICES
1/18/2014	5,300.00	1.46	354.57	5,299.26	-5.05	43.70	-3.64	0.16	GYRO	VAUHGN ENERGY SERVICES
1/18/2014	5,500.00	1.61	351.57	5,499.19	-5.88	49.02	-4.29	0.09	GYRO	VAUHGN ENERGY SERVICES
1/18/2014	5,700.00	2.25	350.37	5,699.07	-7.16	55.67	-5.36	0.32	GYRO	VAUHGN ENERGY SERVICES
1/18/2014	5,900.00	2.03	346.81	5,898.93	-8.86	62.99	-6.82	0.13	GYRO	VAUHGN ENERGY SERVICES
1/18/2014	6,100.00	2.33	351.14	6,098.79	-10.54	70.45	-8.26	0.17	GYRO	VAUHGN ENERGY SERVICES
1/18/2014	6,300.00	1.90	24.58	6,298.66	-10.01	77.49	-7.50	0.64	GYRO	VAUHGN ENERGY SERVICES
1/23/2014	6,416.00	1.60	21.80	6,414.60	-8.72	80.74	-6.10	0.27	MWD	LEAM DRILLING SYSTEMS
1/23/2014	6,479.00	6.20	111.80	6,477.47	-5.22	80.29	-2.61	10.16	MWD	LEAM DRILLING SYSTEMS
1/23/2014	6,511.00	9.10	91.00	6,509.19	-1.06	79.61	1.52	12.39	MWD	LEAM DRILLING SYSTEMS



DIAMOND PWU 22-8H

WEST UNRESTRICTED

Directional Survey

District PERMIAN BASIN	County EDDY	Field Name PARKWAY WEST	Project Group DELAWARE BASIN	State/Province NM
Surface Legal Location SEC21 T19S R29E	API/UWI 3001541014	Latitude (") 32° 38' 28.693" N	Longitude (") 104° 4' 25.618" W	Ground Elev... 3,339.80
			KB - GL (ft) 26.00	Orig KB Elev (ft) 3,365.80
				Tubing Head Elevation (ft)

Survey Data

Date	MD (ftKB)	Incl (")	Azm (")	TVD (ftKB)	VS (ft)	N/S (ft)	E/W (ft)	DLS ("/100ft)	Survey Tool	Survey Company
1/23/2014	6,542.00	12.10	97.00	6,539.66	4.63	79.17	7.20	10.30	MWD	LEAM DRILLING SYSTEMS
1/23/2014	6,574.00	15.50	94.70	6,570.73	12.24	78.41	14.79	10.76	MWD	LEAM DRILLING SYSTEMS
1/23/2014	6,605.00	18.80	93.80	6,600.35	21.37	77.74	23.91	10.68	MWD	LEAM DRILLING SYSTEMS
1/23/2014	6,637.00	22.70	94.20	6,630.27	32.70	76.94	35.22	12.20	MWD	LEAM DRILLING SYSTEMS
1/23/2014	6,668.00	25.70	96.60	6,658.54	45.38	75.73	47.86	10.18	MWD	LEAM DRILLING SYSTEMS
1/23/2014	6,700.00	27.30	98.80	6,687.18	59.58	73.81	62.01	5.87	MWD	LEAM DRILLING SYSTEMS
1/23/2014	6,731.00	29.10	102.60	6,714.50	74.04	71.08	76.39	8.20	MWD	LEAM DRILLING SYSTEMS
1/25/2014	6,766.00	31.90	104.90	6,744.66	91.42	66.84	93.64	8.67	MWD	LEAM DRILLING SYSTEMS
1/25/2014	6,797.00	34.40	107.00	6,770.61	107.86	62.18	109.93	8.87	MWD	LEAM DRILLING SYSTEMS
1/25/2014	6,828.00	36.30	108.20	6,795.89	125.12	56.75	127.02	6.53	MWD	LEAM DRILLING SYSTEMS
1/25/2014	6,858.00	39.80	108.80	6,819.51	142.83	50.88	144.56	11.73	MWD	LEAM DRILLING SYSTEMS
1/25/2014	6,889.00	43.40	108.40	6,842.69	162.53	44.32	164.06	11.64	MWD	LEAM DRILLING SYSTEMS
1/25/2014	6,920.00	47.10	107.70	6,864.51	183.67	37.50	184.99	12.04	MWD	LEAM DRILLING SYSTEMS
1/25/2014	6,949.00	51.20	107.90	6,883.48	204.76	30.80	205.87	14.15	MWD	LEAM DRILLING SYSTEMS
1/25/2014	6,980.00	53.50	106.30	6,902.41	228.44	23.59	229.33	8.47	MWD	LEAM DRILLING SYSTEMS
1/25/2014	7,010.00	56.50	105.30	6,919.62	252.29	16.90	252.97	10.37	MWD	LEAM DRILLING SYSTEMS
1/25/2014	7,041.00	59.20	105.40	6,936.11	277.81	9.95	278.28	8.71	MWD	LEAM DRILLING SYSTEMS
1/25/2014	7,071.00	61.90	104.70	6,950.86	303.24	3.17	303.51	9.23	MWD	LEAM DRILLING SYSTEMS
1/25/2014	7,102.00	65.30	104.90	6,964.64	330.30	-3.92	330.35	10.98	MWD	LEAM DRILLING SYSTEMS
1/25/2014	7,133.00	69.70	105.30	6,976.50	358.17	-11.38	357.99	14.24	MWD	LEAM DRILLING SYSTEMS
1/25/2014	7,163.00	72.50	105.60	6,986.22	385.76	-18.94	385.35	9.38	MWD	LEAM DRILLING SYSTEMS
1/25/2014	7,193.00	75.10	106.00	6,994.59	413.71	-26.79	413.06	8.76	MWD	LEAM DRILLING SYSTEMS
1/25/2014	7,224.00	77.40	106.00	7,001.96	442.91	-35.09	442.01	7.42	MWD	LEAM DRILLING SYSTEMS
1/25/2014	7,255.00	79.40	105.80	7,008.19	472.37	-43.40	471.21	6.48	MWD	LEAM DRILLING SYSTEMS
1/25/2014	7,286.00	80.90	106.00	7,013.49	502.00	-51.77	500.58	4.88	MWD	LEAM DRILLING SYSTEMS
1/25/2014	7,316.00	82.00	106.00	7,017.95	530.77	-59.95	529.10	3.67	MWD	LEAM DRILLING SYSTEMS
1/25/2014	7,347.00	83.10	105.30	7,021.97	560.62	-68.24	558.70	4.20	MWD	LEAM DRILLING SYSTEMS
1/25/2014	7,378.00	84.10	103.80	7,025.43	590.67	-75.98	588.52	5.79	MWD	LEAM DRILLING SYSTEMS
1/25/2014	7,470.00	85.60	99.30	7,033.69	680.97	-94.32	678.26	5.14	MWD	LEAM DRILLING SYSTEMS
1/26/2014	7,562.00	87.50	99.10	7,039.23	772.04	-109.00	768.91	2.08	MWD	LEAM DRILLING SYSTEMS
1/26/2014	7,654.00	87.80	99.60	7,043.00	863.18	-123.93	859.61	0.63	MWD	LEAM DRILLING SYSTEMS
1/26/2014	7,747.00	87.10	100.70	7,047.14	955.12	-140.30	951.07	1.40	MWD	LEAM DRILLING SYSTEMS
1/26/2014	7,838.00	87.10	100.00	7,051.74	1,045.00	-156.63	1,040.47	0.77	MWD	LEAM DRILLING SYSTEMS
1/26/2014	7,933.00	87.40	99.50	7,056.30	1,139.00	-172.70	1,133.99	0.61	MWD	LEAM DRILLING SYSTEMS
1/26/2014	8,027.00	87.90	99.10	7,060.15	1,232.13	-187.88	1,226.67	0.68	MWD	LEAM DRILLING SYSTEMS
1/26/2014	8,122.00	87.50	98.80	7,063.96	1,326.32	-202.65	1,320.44	0.53	MWD	LEAM DRILLING SYSTEMS
1/26/2014	8,216.00	86.80	97.50	7,068.64	1,419.64	-215.96	1,413.37	1.57	MWD	LEAM DRILLING SYSTEMS
1/26/2014	8,310.00	86.50	95.60	7,074.13	1,513.16	-226.66	1,506.60	2.04	MWD	LEAM DRILLING SYSTEMS
1/26/2014	8,405.00	87.20	92.40	7,079.35	1,607.94	-233.28	1,601.21	3.44	MWD	LEAM DRILLING SYSTEMS
1/26/2014	8,499.00	87.70	88.90	7,083.54	1,701.81	-234.34	1,695.10	3.76	MWD	LEAM DRILLING SYSTEMS
1/26/2014	8,594.00	89.20	87.10	7,086.11	1,796.55	-231.03	1,790.00	2.47	MWD	LEAM DRILLING SYSTEMS
1/26/2014	8,689.00	91.00	86.80	7,085.94	1,891.20	-225.97	1,884.86	1.92	MWD	LEAM DRILLING SYSTEMS
1/26/2014	8,783.00	90.50	87.90	7,084.71	1,984.90	-221.63	1,978.75	1.29	MWD	LEAM DRILLING SYSTEMS
1/26/2014	8,877.00	89.60	87.10	7,084.63	2,078.62	-217.53	2,072.66	1.28	MWD	LEAM DRILLING SYSTEMS
1/26/2014	8,971.00	89.40	87.00	7,085.45	2,172.29	-212.69	2,166.53	0.24	MWD	LEAM DRILLING SYSTEMS
1/27/2014	9,066.00	87.20	85.60	7,088.27	2,266.79	-206.56	2,261.28	2.74	MWD	LEAM DRILLING SYSTEMS
1/27/2014	9,160.00	90.00	88.20	7,090.56	2,360.40	-201.48	2,355.10	4.06	MWD	LEAM DRILLING SYSTEMS
1/27/2014	9,255.00	90.70	88.20	7,089.98	2,455.20	-198.50	2,450.05	0.74	MWD	LEAM DRILLING SYSTEMS
1/27/2014	9,349.00	90.50	88.20	7,089.00	2,549.00	-195.55	2,544.00	0.21	MWD	LEAM DRILLING SYSTEMS
1/27/2014	9,443.00	89.70	88.60	7,088.84	2,642.83	-192.92	2,637.96	0.95	MWD	LEAM DRILLING SYSTEMS
1/27/2014	9,537.00	89.30	89.40	7,089.66	2,736.71	-191.28	2,731.94	0.95	MWD	LEAM DRILLING SYSTEMS
1/27/2014	9,632.00	87.80	89.80	7,092.06	2,831.60	-190.62	2,826.90	1.63	MWD	LEAM DRILLING SYSTEMS
1/27/2014	9,726.00	87.20	90.50	7,096.16	2,925.47	-190.86	2,920.81	0.98	MWD	LEAM DRILLING SYSTEMS
1/27/2014	9,820.00	88.30	91.00	7,099.85	3,019.38	-192.09	3,014.73	1.29	MWD	LEAM DRILLING SYSTEMS
1/27/2014	9,915.00	87.70	91.00	7,103.17	3,114.31	-193.75	3,109.66	0.63	MWD	LEAM DRILLING SYSTEMS



DIAMOND PWU 22-8H

WEST UNRESTRICTED

Directional Survey

District PERMIAN BASIN	County EDDY	Field Name PARKWAY WEST	Project Group DELAWARE BASIN	State/Province NM
Surface Legal Location SEC21 T19S R29E	API/UWI 3001541014	Latitude (") 32° 38' 28.693" N	Longitude (") 104° 4' 25.618" W	Ground Elev... 3,339.80
			KB - GL (ft) 26.00	Orig KB Elev (ft) 3,365.80
				Tubing Head Elevation (ft)

Survey Data

Date	MD (ftKB)	Incl (")	Azm (")	TVD (ftKB)	VS (ft)	N/S (ft)	E/W (ft)	DLS (°/100ft)	Survey Tool	Survey Company
1/27/2014	10,009.00	89.30	91.00	7,105.63	3,208.26	-195.39	3,203.61	1.70	MWD	LEAM DRILLING SYSTEMS
1/27/2014	10,104.00	89.00	90.50	7,107.04	3,303.23	-196.63	3,298.59	0.61	MWD	LEAM DRILLING SYSTEMS
1/27/2014	10,198.00	88.50	90.70	7,109.09	3,397.19	-197.62	3,392.56	0.57	MWD	LEAM DRILLING SYSTEMS
1/27/2014	10,293.00	90.00	90.80	7,110.33	3,492.16	-198.86	3,487.54	1.58	MWD	LEAM DRILLING SYSTEMS
1/27/2014	10,387.00	87.70	89.30	7,112.22	3,586.09	-198.94	3,581.52	2.92	MWD	LEAM DRILLING SYSTEMS
1/27/2014	10,482.00	89.40	89.30	7,114.62	3,680.96	-197.78	3,676.47	1.79	MWD	LEAM DRILLING SYSTEMS
1/27/2014	10,576.00	87.10	89.30	7,117.49	3,774.81	-196.63	3,770.42	2.45	MWD	LEAM DRILLING SYSTEMS
1/27/2014	10,671.00	88.40	89.40	7,121.22	3,869.65	-195.56	3,865.34	1.37	MWD	LEAM DRILLING SYSTEMS
1/29/2014	10,766.00	88.50	90.00	7,123.79	3,964.54	-195.06	3,960.30	0.64	MWD	LEAM DRILLING SYSTEMS
1/29/2014	10,860.00	90.00	90.10	7,125.02	4,058.49	-195.14	4,054.29	1.60	MWD	LEAM DRILLING SYSTEMS
1/29/2014	10,954.00	91.00	90.10	7,124.20	4,152.44	-195.31	4,148.28	1.06	MWD	LEAM DRILLING SYSTEMS
1/29/2014	11,049.00	89.30	90.30	7,123.95	4,247.39	-195.64	4,243.28	1.80	MWD	LEAM DRILLING SYSTEMS
1/29/2014	11,144.00	88.20	90.80	7,126.02	4,342.34	-196.55	4,338.25	1.27	MWD	LEAM DRILLING SYSTEMS
1/29/2014	11,238.00	88.90	91.00	7,128.40	4,436.30	-198.03	4,432.21	0.77	MWD	LEAM DRILLING SYSTEMS
1/29/2014	11,333.00	89.10	91.20	7,130.06	4,531.28	-199.85	4,527.18	0.30	MWD	LEAM DRILLING SYSTEMS
1/29/2014	11,427.00	89.50	90.70	7,131.21	4,625.26	-201.41	4,621.16	0.68	MWD	LEAM DRILLING SYSTEMS
1/29/2014	11,522.00	88.40	88.90	7,132.95	4,720.17	-201.08	4,716.13	2.22	MWD	LEAM DRILLING SYSTEMS
1/29/2014	11,616.00	88.90	89.60	7,135.16	4,814.05	-199.85	4,810.10	0.91	MWD	LEAM DRILLING SYSTEMS
1/29/2014	11,710.00	87.80	88.90	7,137.87	4,907.91	-198.62	4,904.05	1.39	MWD	LEAM DRILLING SYSTEMS
1/29/2014	11,804.00	88.00	89.30	7,141.31	5,001.74	-197.14	4,997.97	0.48	MWD	LEAM DRILLING SYSTEMS
1/30/2014	11,898.00	88.00	89.40	7,144.60	5,095.59	-196.08	5,091.91	0.11	MWD	LEAM DRILLING SYSTEMS
1/30/2014	11,993.00	88.00	88.90	7,147.91	5,190.43	-194.67	5,186.84	0.53	MWD	LEAM DRILLING SYSTEMS
1/30/2014	12,087.00	89.00	88.90	7,150.37	5,284.27	-192.86	5,280.79	1.06	MWD	LEAM DRILLING SYSTEMS
1/30/2014	12,181.00	90.00	89.30	7,151.19	5,378.16	-191.39	5,374.78	1.15	MWD	LEAM DRILLING SYSTEMS
1/30/2014	12,276.00	90.70	89.60	7,150.61	5,473.07	-190.47	5,469.77	0.80	MWD	LEAM DRILLING SYSTEMS
1/30/2014	12,370.00	91.00	90.00	7,149.22	5,567.00	-190.15	5,563.76	0.53	MWD	LEAM DRILLING SYSTEMS
1/30/2014	12,462.00	91.60	90.30	7,147.13	5,658.93	-190.39	5,655.73	0.73	MWD	LEAM DRILLING SYSTEMS
1/30/2014	12,528.00	91.60	90.30	7,145.29	5,724.88	-190.73	5,721.71	0.00	BIT	LEAM DRILLING SYSTEMS