



February 5, 2015

30-025-42312

HOBBS OGD

MAY 28 2015

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

RECEIVED

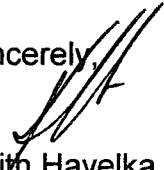
Attn: David Cook

Re: **Trionyx 6 Federal 11H**

Please find enclosed a copy of the survey from 0' to 4345.03' ran on the above referenced well.

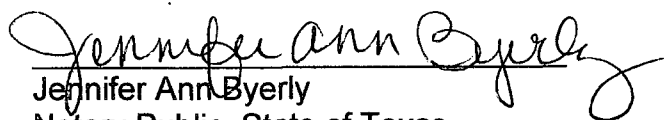
If I can be of any further service please do not hesitate to call me at 800-606-4976.

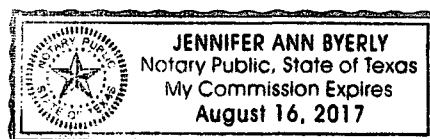
Sincerely,


Keith Havelka
Operations

STATE OF TEXAS §
 §
COUNTY OF NUECES §

This instrument was acknowledged before me on the 5 day of Feb,
A.D., 2015, by Keith Havelka.


Jennifer Ann Byerly
Notary Public, State of Texas



JUN 02 2015



Company: Devon
Lease/Well: Trionyx 6 Federal/11H

Rig Name: Cactus 126
State/County: New Mexico/Lea
Latitude: 32.15, Longitude: -103.72
GRID North is 0.33 Degrees East of True North
VS-Azi: 0.00 Degrees



Depth Reference : RKB = 25 feet

DRILLOG MS GYRO SURVEY CALCULATIONS

Filename: gyro survey 2.ut
Minimum Curvature Method
Report Date/Time: 2/5/2015 / 11:49

VES Survey International
Midland, Texas
432-563-5444

Surveyor: Adam Askew
Trionyx 6 Federal 11H / API 30-025-42312

HOBBS OCD

MAY 28 2015

RECEIVED

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	****
103.78	0.13	130.42	103.78	-0.07	0.09	-0.07	0.11	130.42	0.12
198.03	0.37	90.08	198.03	-0.14	0.47	-0.14	0.50	106.73	0.31
292.28	0.44	95.46	292.28	-0.18	1.14	-0.18	1.15	98.84	0.08
386.53	0.72	100.01	386.52	-0.31	2.07	-0.31	2.10	98.59	0.30
480.78	1.20	104.53	480.76	-0.66	3.61	-0.66	3.67	100.41	0.52
575.03	1.30	130.72	574.99	-1.61	5.37	-1.61	5.61	106.68	0.61
669.28	2.09	147.91	669.20	-3.76	7.10	-3.76	8.03	117.93	0.98
763.53	2.26	135.35	763.38	-6.54	9.31	-6.54	11.38	125.07	0.54
857.78	2.38	116.25	857.55	-8.72	12.37	-8.72	15.14	125.19	0.82
952.03	2.51	95.73	951.72	-9.79	16.17	-9.79	18.91	121.20	0.93
1046.28	2.72	108.86	1045.87	-10.72	20.34	-10.72	23.00	117.79	0.67
1140.53	2.69	112.12	1140.02	-12.28	24.51	-12.28	27.41	116.61	0.17
1234.78	2.71	104.32	1234.16	-13.66	28.71	-13.66	31.80	115.44	0.39
1329.03	2.66	105.75	1328.31	-14.80	32.97	-14.80	36.14	114.18	0.09
1423.28	2.51	94.63	1422.46	-15.56	37.13	-15.56	40.26	112.74	0.55
1517.53	2.29	107.18	1516.63	-16.29	40.99	-16.29	44.10	111.67	0.60
1611.78	2.14	108.04	1610.81	-17.39	44.46	-17.39	47.74	111.36	0.17
1706.03	1.53	101.06	1705.01	-18.17	47.37	-18.17	50.73	110.99	0.69

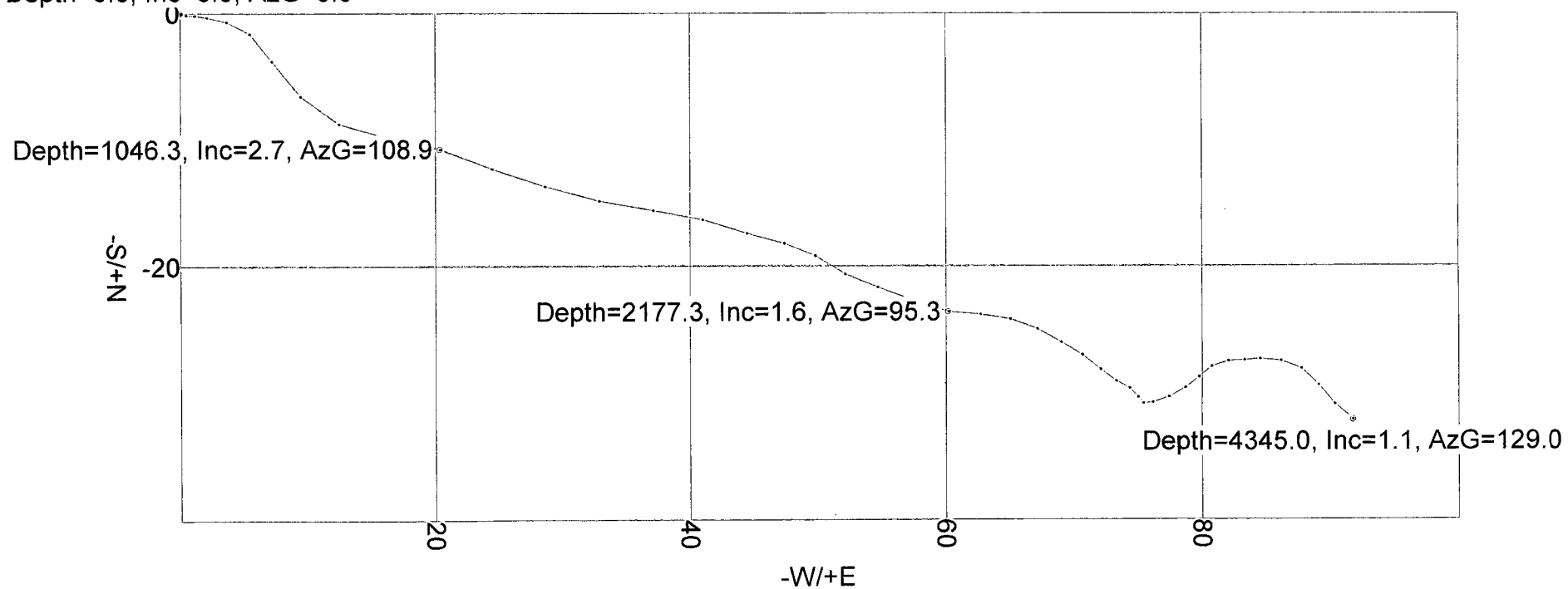
Measured Depth FT	Incl Angle Deg	Drift Direction Deg	TVD FT	+N/-S FT	+E/-W FT	Vertical Section FT	Closure Distance FT	Closure Direction Deg	Dogleg Severity Deg/100
1800.28	1.73	121.87	1799.23	-19.17	49.81	-19.17	53.37	111.05	0.66
1894.53	1.63	122.20	1893.43	-20.63	52.15	-20.63	56.09	111.58	0.10
1988.78	1.73	102.66	1987.64	-21.66	54.68	-21.66	58.81	111.61	0.61
2083.03	1.91	118.51	2081.85	-22.72	57.45	-22.72	61.78	111.58	0.57
2177.28	1.62	95.33	2176.05	-23.60	60.16	-23.60	64.62	111.42	0.81
2271.53	1.46	94.67	2270.27	-23.82	62.68	-23.82	67.05	110.81	0.17
2365.78	1.39	103.40	2364.49	-24.18	64.98	-24.18	69.34	110.41	0.24
2460.03	1.37	117.39	2458.71	-24.96	67.09	-24.96	71.59	110.41	0.36
2554.28	1.25	121.21	2552.94	-26.01	68.97	-26.01	73.71	110.66	0.16
2648.53	1.10	120.75	2647.17	-27.00	70.62	-27.00	75.60	110.93	0.16
2742.78	1.15	136.84	2741.40	-28.15	72.04	-28.15	77.34	111.34	0.34
2837.03	0.79	111.64	2835.64	-29.08	73.28	-29.08	78.84	111.64	0.58
2931.28	0.66	125.94	2929.88	-29.63	74.32	-29.63	80.01	111.74	0.23
3025.53	0.55	150.68	3024.13	-30.35	74.99	-30.35	80.89	112.03	0.30
3119.78	0.26	113.45	3118.37	-30.83	75.40	-30.83	81.46	112.24	0.40
3214.03	0.71	73.98	3212.62	-30.75	76.16	-30.75	82.13	111.99	0.57
3308.28	0.91	68.34	3306.86	-30.31	77.42	-30.31	83.14	111.38	0.23
3402.53	0.87	51.36	3401.10	-29.59	78.67	-29.59	84.05	110.61	0.28
3496.78	0.80	52.17	3495.34	-28.74	79.75	-28.74	84.77	109.81	0.07
3591.03	0.74	48.36	3589.58	-27.92	80.73	-27.92	85.43	109.08	0.08
3685.28	1.02	89.07	3683.82	-27.50	82.03	-27.50	86.52	108.54	0.71
3779.53	0.51	83.70	3778.06	-27.44	83.29	-27.44	87.69	108.24	0.54
3873.78	0.96	86.66	3872.30	-27.35	84.50	-27.35	88.81	107.94	0.48
3968.03	1.02	102.90	3966.54	-27.49	86.11	-27.49	90.39	107.71	0.30
4062.28	1.08	119.13	4060.77	-28.11	87.70	-28.11	92.10	107.77	0.32
4156.53	1.24	147.41	4155.01	-29.40	89.03	-29.40	93.76	108.28	0.62
4250.78	1.18	132.47	4249.24	-30.91	90.29	-30.91	95.43	108.90	0.34
4345.03	1.13	129.02	4343.47	-32.15	91.73	-32.15	97.20	109.32	0.09



VES Survey International
Midland, Texas
432-563-5444
Surveyor: Adam Askew
Trionyx 6 Federal 11H / API 30-025-42312



Depth=0.0, Inc=0.0, AzG=0.0



VES Survey Date: 1/27/2015

Directional Survey

Sub-Division DELAWARE BASIN		County LEA	Field Name PADUCA		Region DELAWARE BASIN WEST		State/Province NM	
Surface Legal Location SEC6 T2S5 R32E		API/Well 3002542312	Latitude (°) 32° 9' 9.051" N		Longitude (°) 103° 43' 15.07" W		Ground Elev M. 3,438.80	Orig KB Elev (ft) 3,463.80
Wellbores Wellbore Name: OH Parent Wellbore: SAP Well ID: 37815 Vertical Section Direction (°): 0.00								
Kick Offs & Key Depths Date: 1/31/2015 Type: Kick Off Top Depth (ftKB): 7,583.0								
Actual Deviation Survey GYRO/MWD, Proposed? No			Definitive? Yes		Proposed? No		Proposed Deviation Survey	
Deviation Survey Date: 1/28/2015 Description: GYRO/MWD								
MD Tie In (ftKB) 0.00		TVD Tie In (ftKB) 0.00		Inclination Tie In (°) 0.00		Azimuth Tie In (°) 0.00		NS Tie In (ft) 0.00
								EW Tie In (ft) 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							
1/30/2015	81.00	1.40	0.00	80.99	0.99	0.99	0.00	1.73
1/28/2015	103.78	0.13	130.42	103.77	1.25	1.25	0.02	6.53
1/28/2015	198.03	0.37	90.08	198.02	1.18	1.18	0.41	0.30
1/28/2015	292.28	0.44	95.46	292.27	1.15	1.15	1.07	0.08
1/28/2015	386.53	0.72	100.01	386.51	1.01	1.01	2.01	0.30
1/28/2015	480.78	1.20	104.53	480.75	0.66	0.66	3.55	0.52
1/28/2015	575.03	1.30	130.72	574.98	-0.29	-0.29	5.32	0.61
1/28/2015	669.28	2.09	147.91	669.19	-2.44	-2.44	7.04	0.99
1/28/2015	763.53	2.26	135.35	763.37	-5.22	-5.22	9.26	0.54
1/28/2015	857.78	2.38	116.25	857.54	-7.41	-7.41	12.32	0.83
1/28/2015	952.03	2.51	95.73	951.71	-8.48	-8.48	16.13	0.93
1/28/2015	1,046.28	2.72	108.86	1,045.86	-9.41	-9.41	20.30	0.67
1/28/2015	1,140.53	2.69	112.12	1,140.01	-10.96	-10.96	24.46	0.17
1/28/2015	1,234.78	2.71	104.32	1,234.15	-12.35	-12.35	28.67	0.39
1/28/2015	1,329.03	2.66	105.75	1,328.30	-13.49	-13.49	32.94	0.09
1/28/2015	1,423.28	2.51	94.63	1,422.45	-14.25	-14.25	37.10	0.55
1/28/2015	1,517.53	2.29	107.18	1,516.62	-14.97	-14.97	40.95	0.60
1/28/2015	1,611.78	2.14	108.04	1,610.80	-16.07	-16.07	44.43	0.16
1/28/2015	1,706.03	1.53	101.06	1,705.00	-16.86	-16.86	47.33	0.69
1/28/2015	1,800.28	1.73	121.87	1,799.21	-17.85	-17.85	49.78	0.66
1/28/2015	1,894.53	1.63	122.20	1,893.42	-19.32	-19.32	52.12	0.11
1/28/2015	1,988.78	1.73	102.66	1,987.63	-20.35	-20.35	54.64	0.61
1/28/2015	2,083.03	1.91	118.51	2,081.84	-21.41	-21.41	57.41	0.57
1/28/2015	2,177.28	1.62	95.33	2,176.04	-22.28	-22.28	60.12	0.81
1/28/2015	2,271.53	1.46	94.67	2,270.26	-22.50	-22.50	62.64	0.17
1/28/2015	2,365.78	1.39	103.40	2,364.48	-22.86	-22.86	64.95	0.24
1/28/2015	2,460.03	1.37	117.39	2,458.70	-23.65	-23.65	67.06	0.36
1/28/2015	2,554.28	1.25	121.21	2,552.93	-24.70	-24.70	68.94	0.16
1/28/2015	2,648.53	1.10	120.75	2,647.16	-25.69	-25.69	70.60	0.16
1/28/2015	2,742.78	1.15	136.84	2,741.39	-26.85	-26.85	72.02	0.34
1/28/2015	2,837.03	0.79	111.64	2,835.63	-27.78	-27.78	73.27	0.58
1/28/2015	2,931.28	0.66	125.94	2,929.87	-28.33	-28.33	74.32	0.24
1/28/2015	3,025.53	0.55	150.68	3,024.11	-29.05	-29.05	74.98	0.30
1/28/2015	3,119.78	0.26	113.45	3,118.36	-29.53	-29.53	75.40	0.40
1/28/2015	3,214.03	0.71	73.98	3,212.61	-29.45	-29.45	76.15	0.57
1/28/2015	3,308.28	0.91	68.34	3,306.85	-29.01	-29.01	77.41	0.23
1/28/2015	3,402.53	0.87	51.36	3,401.09	-28.29	-28.29	78.66	0.28
1/28/2015	3,496.78	0.80	52.17	3,495.33	-27.44	-27.44	79.74	0.08
1/28/2015	3,591.03	0.74	48.36	3,589.57	-26.63	-26.63	80.72	0.08
1/28/2015	3,685.28	1.02	89.07	3,683.81	-26.21	-26.21	82.01	0.71
1/28/2015	3,779.53	0.51	83.70	3,778.05	-26.15	-26.15	83.27	0.55
1/28/2015	3,873.78	0.96	86.66	3,872.29	-26.06	-26.06	84.47	0.48
1/28/2015	3,968.03	1.02	102.90	3,966.53	-26.20	-26.20	86.08	0.30
1/28/2015	4,062.28	1.08	119.13	4,060.76	-26.82	-26.82	87.67	0.32
1/28/2015	4,156.53	1.24	147.41	4,154.99	-28.11	-28.11	89.00	0.62
1/28/2015	4,250.78	1.18	132.47	4,249.22	-29.63	-29.63	90.26	0.34
1/28/2015	4,345.03	1.13	129.02	4,343.45	-30.87	-30.87	91.70	0.09



Directional Survey

Sub-Division DELAWARE BASIN	County LEA	Field Name PADUCA	Region DELAWARE BASIN WEST	State/Province NM
Surface Legal Location SEC6 T25S R32E	API/UMI 3002542312	Latitude (°) 32° 9' 9.051" N	Longitude (°) 103° 43' 15.07" W	Ground Elev M. 3,438.80
				Orig KB Elev (ft) 3,463.80
				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
1/29/2015	4,457.00	1.40	123.60	4,455.40	-32.32	32.32	93.70	0.26	MWD	LEAM DRILLING SYSTEMS
1/29/2015	4,552.00	1.50	121.10	4,550.37	-33.61	33.61	95.73	0.12	MWD	LEAM DRILLING SYSTEMS
1/29/2015	4,646.00	1.50	114.10	4,644.33	-34.74	34.74	97.91	0.19	MWD	LEAM DRILLING SYSTEMS
1/29/2015	4,741.00	1.50	119.60	4,739.30	-35.87	35.87	100.12	0.15	MWD	LEAM DRILLING SYSTEMS
1/29/2015	4,836.00	1.50	114.60	4,834.27	-37.00	37.00	102.33	0.14	MWD	LEAM DRILLING SYSTEMS
1/29/2015	4,931.00	1.40	112.70	4,929.24	-37.96	37.96	104.53	0.12	MWD	LEAM DRILLING SYSTEMS
1/29/2015	5,025.00	1.40	116.20	5,023.21	-38.91	38.91	106.62	0.09	MWD	LEAM DRILLING SYSTEMS
1/29/2015	5,120.00	1.50	116.60	5,118.18	-39.98	39.98	108.78	0.11	MWD	LEAM DRILLING SYSTEMS
1/29/2015	5,215.00	1.50	109.50	5,213.15	-40.95	40.95	111.06	0.20	MWD	LEAM DRILLING SYSTEMS
1/29/2015	5,310.00	0.90	101.10	5,308.13	-41.51	41.51	112.97	0.66	MWD	LEAM DRILLING SYSTEMS
1/29/2015	5,404.00	0.40	3.70	5,402.12	-41.33	41.33	113.71	1.10	MWD	LEAM DRILLING SYSTEMS
1/29/2015	5,500.00	1.20	342.80	5,498.11	-40.03	40.03	113.44	0.87	MWD	LEAM DRILLING SYSTEMS
1/29/2015	5,594.00	1.40	341.40	5,592.09	-38.00	38.00	112.78	0.22	MWD	LEAM DRILLING SYSTEMS
1/29/2015	5,689.00	1.40	352.10	5,687.06	-35.76	35.76	112.25	0.27	MWD	LEAM DRILLING SYSTEMS
1/29/2015	5,784.00	2.20	343.70	5,782.01	-32.86	32.86	111.58	0.88	MWD	LEAM DRILLING SYSTEMS
1/29/2015	5,878.00	2.30	327.70	5,875.94	-29.53	29.53	110.06	0.67	MWD	LEAM DRILLING SYSTEMS
1/29/2015	5,973.00	3.10	304.10	5,970.84	-26.48	26.48	106.92	1.42	MWD	LEAM DRILLING SYSTEMS
1/30/2015	6,067.00	4.40	285.00	6,064.64	-24.12	24.12	101.33	1.90	MWD	LEAM DRILLING SYSTEMS
1/30/2015	6,163.00	4.90	292.20	6,160.32	-21.62	21.62	93.98	0.80	MWD	LEAM DRILLING SYSTEMS
1/30/2015	6,258.00	3.50	294.10	6,255.07	-18.90	18.90	87.57	1.48	MWD	LEAM DRILLING SYSTEMS
1/30/2015	6,353.00	2.50	290.80	6,349.93	-16.98	16.98	82.99	1.07	MWD	LEAM DRILLING SYSTEMS
1/30/2015	6,447.00	1.50	276.00	6,443.88	-16.12	16.12	79.85	1.19	MWD	LEAM DRILLING SYSTEMS
1/30/2015	6,543.00	0.50	298.00	6,539.86	-15.80	15.80	78.23	1.10	MWD	LEAM DRILLING SYSTEMS
1/30/2015	6,638.00	0.40	105.30	6,634.86	-15.69	15.69	78.18	0.94	MWD	LEAM DRILLING SYSTEMS
1/30/2015	6,733.00	0.60	94.60	6,729.86	-15.82	15.82	79.00	0.23	MWD	LEAM DRILLING SYSTEMS
1/30/2015	6,828.00	1.00	94.10	6,824.85	-15.91	15.91	80.32	0.42	MWD	LEAM DRILLING SYSTEMS
1/30/2015	6,923.00	1.10	100.40	6,919.83	-16.14	16.14	82.04	0.16	MWD	LEAM DRILLING SYSTEMS
1/30/2015	7,018.00	0.80	111.10	7,014.82	-16.54	16.54	83.56	0.37	MWD	LEAM DRILLING SYSTEMS
1/30/2015	7,113.00	0.50	113.60	7,109.81	-16.95	16.95	84.56	0.32	MWD	LEAM DRILLING SYSTEMS
1/30/2015	7,209.00	0.60	135.90	7,205.81	-17.48	17.48	85.29	0.24	MWD	LEAM DRILLING SYSTEMS
1/30/2015	7,304.00	0.60	143.60	7,300.80	-18.23	18.23	85.93	0.08	MWD	LEAM DRILLING SYSTEMS
1/30/2015	7,399.00	0.50	143.50	7,395.80	-18.97	18.97	86.47	0.11	MWD	LEAM DRILLING SYSTEMS
1/30/2015	7,494.00	0.70	163.20	7,490.79	-19.86	19.86	86.89	0.30	MWD	LEAM DRILLING SYSTEMS
1/30/2015	7,589.00	0.30	342.80	7,585.79	-20.17	20.17	86.98	1.05	MWD	LEAM DRILLING SYSTEMS
1/30/2015	7,621.00	2.30	2.30	7,617.78	-19.45	19.45	86.98	6.31	MWD	LEAM DRILLING SYSTEMS
1/30/2015	7,653.00	4.30	359.50	7,649.73	-17.61	17.61	87.00	6.27	MWD	LEAM DRILLING SYSTEMS
1/30/2015	7,684.00	6.40	0.60	7,680.59	-14.72	14.72	87.01	6.78	MWD	LEAM DRILLING SYSTEMS
1/30/2015	7,716.00	9.40	359.70	7,712.28	-10.32	10.32	87.01	9.38	MWD	LEAM DRILLING SYSTEMS
1/30/2015	7,748.00	12.40	359.10	7,743.70	-4.27	4.27	86.94	9.38	MWD	LEAM DRILLING SYSTEMS
1/30/2015	7,779.00	15.30	359.30	7,773.80	3.15	3.15	86.84	9.36	MWD	LEAM DRILLING SYSTEMS
1/30/2015	7,811.00	18.60	359.10	7,804.40	12.47	12.47	86.71	10.31	MWD	LEAM DRILLING SYSTEMS
1/30/2015	7,843.00	21.50	358.80	7,834.46	23.44	23.44	86.51	9.07	MWD	LEAM DRILLING SYSTEMS
1/30/2015	7,874.00	24.10	358.30	7,863.03	35.45	35.45	86.20	8.41	MWD	LEAM DRILLING SYSTEMS
1/30/2015	7,906.00	26.70	357.90	7,891.94	49.17	49.17	85.74	8.14	MWD	LEAM DRILLING SYSTEMS
1/30/2015	7,938.00	29.10	357.60	7,920.22	64.13	64.13	85.15	7.51	MWD	LEAM DRILLING SYSTEMS
1/30/2015	7,969.00	32.10	357.90	7,946.90	79.89	79.89	84.54	9.69	MWD	LEAM DRILLING SYSTEMS
1/30/2015	8,001.00	35.40	358.80	7,973.50	97.66	97.66	84.03	10.43	MWD	LEAM DRILLING SYSTEMS
1/30/2015	8,032.00	38.30	359.30	7,998.30	116.25	116.25	83.73	9.40	MWD	LEAM DRILLING SYSTEMS
1/30/2015	8,063.00	41.20	0.40	8,022.14	136.07	136.07	83.68	9.63	MWD	LEAM DRILLING SYSTEMS
1/30/2015	8,095.00	44.00	359.90	8,045.69	157.73	157.73	83.73	8.81	MWD	LEAM DRILLING SYSTEMS
1/30/2015	8,127.00	47.90	0.00	8,067.93	180.72	180.72	83.71	12.19	MWD	LEAM DRILLING SYSTEMS
1/30/2015	8,158.00	51.80	0.00	8,087.92	204.41	204.41	83.71	12.58	MWD	LEAM DRILLING SYSTEMS
1/30/2015	8,190.00	56.50	0.90	8,106.66	230.34	230.34	83.92	14.86	MWD	LEAM DRILLING SYSTEMS
1/30/2015	8,222.00	60.90	0.90	8,123.28	257.67	257.67	84.35	13.75	MWD	LEAM DRILLING SYSTEMS
1/30/2015	8,254.00	64.40	2.00	8,137.98	286.08	286.08	85.08	11.36	MWD	LEAM DRILLING SYSTEMS
1/30/2015	8,286.00	68.50	2.00	8,150.76	315.39	315.39	86.10	12.81	MWD	LEAM DRILLING SYSTEMS
1/30/2015	8,318.00	73.20	1.40	8,161.25	345.60	345.60	86.99	14.79	MWD	LEAM DRILLING SYSTEMS
1/30/2015	8,349.00	78.10	1.60	8,168.93	375.61	375.61	87.78	15.82	MWD	LEAM DRILLING SYSTEMS



Directional Survey

Sub-Division DELAWARE BASIN	County LEA	Field Name PADUCA	Region DELAWARE BASIN WEST	State/Province NM
Surface Legal Location SEC6 T25S R32E	API/ULI 3002542312	Latitude (°) 32° 9' 9.051" N	Longitude (°) 103° 43' 15.07" W	Ground Elev M... 3,438.80
				Orig KB Elev (ft) 3,463.80
				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
1/30/2015	8,381.00	82.30	1.60	8,174.38	407.13	407.13	88.66	13.12	MWD	LEAM DRILLING SYSTEMS
1/30/2015	8,413.00	86.10	2.30	8,177.61	438.94	438.94	89.74	12.07	MWD	LEAM DRILLING SYSTEMS
1/30/2015	8,445.00	89.10	2.10	8,178.95	470.88	470.88	90.97	9.40	MWD	LEAM DRILLING SYSTEMS
1/30/2015	8,464.00	90.30	2.80	8,179.05	489.87	489.87	91.78	7.31	MWD	LEAM DRILLING SYSTEMS
1/30/2015	8,558.00	91.90	3.40	8,177.25	583.71	583.71	96.87	1.82	MWD	LEAM DRILLING SYSTEMS
1/30/2015	8,653.00	90.90	2.00	8,174.93	678.57	678.57	101.34	1.81	MWD	LEAM DRILLING SYSTEMS
1/30/2015	8,748.00	90.40	0.60	8,173.85	773.54	773.54	103.49	1.56	MWD	LEAM DRILLING SYSTEMS
1/30/2015	8,843.00	89.30	359.90	8,174.10	868.53	868.53	103.91	1.37	MWD	LEAM DRILLING SYSTEMS
1/30/2015	8,938.00	89.30	0.40	8,175.26	963.53	963.53	104.16	0.53	MWD	LEAM DRILLING SYSTEMS
1/30/2015	9,032.00	90.30	1.40	8,175.59	1,057.51	1,057.51	105.63	1.50	MWD	LEAM DRILLING SYSTEMS
1/30/2015	9,127.00	89.80	1.60	8,175.50	1,152.48	1,152.48	108.12	0.57	MWD	LEAM DRILLING SYSTEMS
1/30/2015	9,222.00	89.00	1.60	8,176.50	1,247.44	1,247.44	110.77	0.84	MWD	LEAM DRILLING SYSTEMS
1/30/2015	9,316.00	89.60	0.40	8,177.65	1,341.41	1,341.41	112.41	1.43	MWD	LEAM DRILLING SYSTEMS
1/30/2015	9,411.00	91.00	0.70	8,177.15	1,436.40	1,436.40	113.33	1.51	MWD	LEAM DRILLING SYSTEMS
1/30/2015	9,505.00	91.30	0.70	8,175.26	1,530.38	1,530.38	114.47	0.32	MWD	LEAM DRILLING SYSTEMS
1/30/2015	9,600.00	90.90	1.40	8,173.44	1,625.34	1,625.34	116.21	0.85	MWD	LEAM DRILLING SYSTEMS
1/30/2015	9,695.00	90.10	0.70	8,172.61	1,720.32	1,720.32	117.96	1.12	MWD	LEAM DRILLING SYSTEMS
1/30/2015	9,790.00	88.50	359.10	8,173.77	1,815.31	1,815.31	117.79	2.38	MWD	LEAM DRILLING SYSTEMS
1/30/2015	9,885.00	89.80	0.70	8,175.18	1,910.29	1,910.29	117.62	2.17	MWD	LEAM DRILLING SYSTEMS
1/30/2015	9,979.00	89.20	1.40	8,176.00	2,004.27	2,004.27	119.35	0.98	MWD	LEAM DRILLING SYSTEMS
1/30/2015	10,074.00	88.50	0.40	8,177.91	2,099.24	2,099.24	120.84	1.28	MWD	LEAM DRILLING SYSTEMS
1/30/2015	10,169.00	88.50	0.60	8,180.39	2,194.20	2,194.20	121.67	0.21	MWD	LEAM DRILLING SYSTEMS
1/30/2015	10,264.00	90.20	0.90	8,181.47	2,289.19	2,289.19	122.91	1.82	MWD	LEAM DRILLING SYSTEMS
1/30/2015	10,359.00	88.50	357.60	8,182.55	2,384.16	2,384.16	121.67	3.91	MWD	LEAM DRILLING SYSTEMS
1/30/2015	10,454.00	88.60	356.30	8,184.95	2,478.99	2,478.99	116.61	1.37	MWD	LEAM DRILLING SYSTEMS
1/30/2015	10,548.00	90.30	357.60	8,185.86	2,572.85	2,572.85	111.61	2.28	MWD	LEAM DRILLING SYSTEMS
1/30/2015	10,642.00	91.20	357.00	8,184.62	2,666.73	2,666.73	107.19	1.15	MWD	LEAM DRILLING SYSTEMS
1/30/2015	10,737.00	92.90	356.30	8,181.23	2,761.50	2,761.50	101.64	1.94	MWD	LEAM DRILLING SYSTEMS
1/30/2015	10,832.00	92.80	357.60	8,176.50	2,856.25	2,856.25	96.59	1.37	MWD	LEAM DRILLING SYSTEMS
1/30/2015	10,927.00	91.90	358.80	8,172.61	2,951.12	2,951.12	93.61	1.58	MWD	LEAM DRILLING SYSTEMS
1/30/2015	11,117.00	90.20	1.40	8,169.13	3,141.07	3,141.07	93.94	1.63	MWD	LEAM DRILLING SYSTEMS
1/30/2015	11,212.00	90.70	1.60	8,168.38	3,236.03	3,236.03	96.43	0.57	MWD	LEAM DRILLING SYSTEMS
1/30/2015	11,307.00	88.40	0.20	8,169.13	3,331.01	3,331.01	97.92	2.83	MWD	LEAM DRILLING SYSTEMS
1/30/2015	11,402.00	88.30	0.70	8,171.86	3,425.96	3,425.96	98.67	0.54	MWD	LEAM DRILLING SYSTEMS
1/30/2015	11,497.00	90.60	359.90	8,172.77	3,520.95	3,520.95	99.16	2.56	MWD	LEAM DRILLING SYSTEMS
1/30/2015	11,592.00	89.00	1.40	8,173.10	3,615.94	3,615.94	100.24	2.31	MWD	LEAM DRILLING SYSTEMS
1/30/2015	11,687.00	90.70	3.40	8,173.35	3,710.85	3,710.85	104.22	2.76	MWD	LEAM DRILLING SYSTEMS
1/30/2015	11,783.00	89.30	3.00	8,173.35	3,806.69	3,806.69	109.58	1.52	MWD	LEAM DRILLING SYSTEMS
1/30/2015	11,878.00	89.30	3.70	8,174.51	3,901.52	3,901.52	115.13	0.74	MWD	LEAM DRILLING SYSTEMS
1/30/2015	11,973.00	89.00	3.00	8,175.92	3,996.35	3,996.35	120.68	0.80	MWD	LEAM DRILLING SYSTEMS
1/30/2015	12,068.00	89.00	2.80	8,177.58	4,091.21	4,091.21	125.49	0.21	MWD	LEAM DRILLING SYSTEMS
1/30/2015	12,164.00	90.00	2.80	8,178.42	4,187.10	4,187.10	130.18	1.04	MWD	LEAM DRILLING SYSTEMS
1/30/2015	12,258.00	89.90	1.10	8,178.50	4,281.04	4,281.04	133.37	1.81	MWD	LEAM DRILLING SYSTEMS
1/30/2015	12,354.00	90.30	1.30	8,178.33	4,377.02	4,377.02	135.38	0.47	MWD	LEAM DRILLING SYSTEMS
1/30/2015	12,543.00	94.40	2.00	8,170.58	4,565.74	4,565.74	140.82	2.20	MWD	LEAM DRILLING SYSTEMS
1/30/2015	12,638.00	93.90	2.00	8,163.71	4,660.43	4,660.43	144.13	0.53	MWD	LEAM DRILLING SYSTEMS
1/30/2015	12,708.00	93.90	2.00	8,158.95	4,730.23	4,730.23	146.56	0.00	BIT	LEAM DRILLING SYSTEMS