

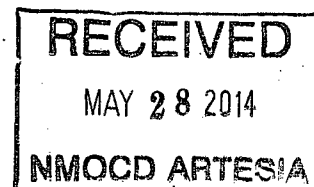


A GYRO TECHNOLOGIES INC. COMPANY

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

March 26, 2014

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



Attn: David Cook

Re: ONYX PWU 29 7H

Please find enclosed a copy of the survey from 0.00' to 6,200.00' 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 26th day of March, A.D., 2014, by Keith Havelka.



Meredith Darden
Notary Public, State of Texas





Company: Devon Energy

Well: Onyx PWU 29 7H

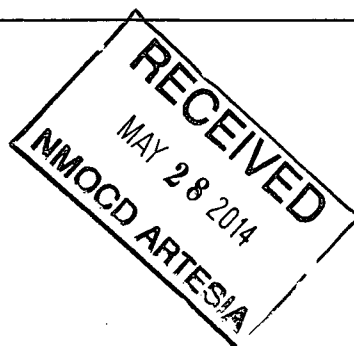
Rig Name: Scan Texas

State/County: New Mexico/Eddy

Latitude: 32.63, Longitude: -104.11

GRID North is 0.12 Degrees East of True North

VS-Azi: 89.48 Degrees



Depth Reference : RKB = 26 ft / Elev. = 3,316 ft.

DRILLOG HA GYRO SURVEY CALCULATIONS

Filename: onyxpwu29-7h_final.ut

Minimum Curvature Method

Report Date/Time: 3/26/2014 / 11:53

Vaughn Energy Services

Gardendale, TX

432-563-5444

Surveyor: Dustin Wentzler

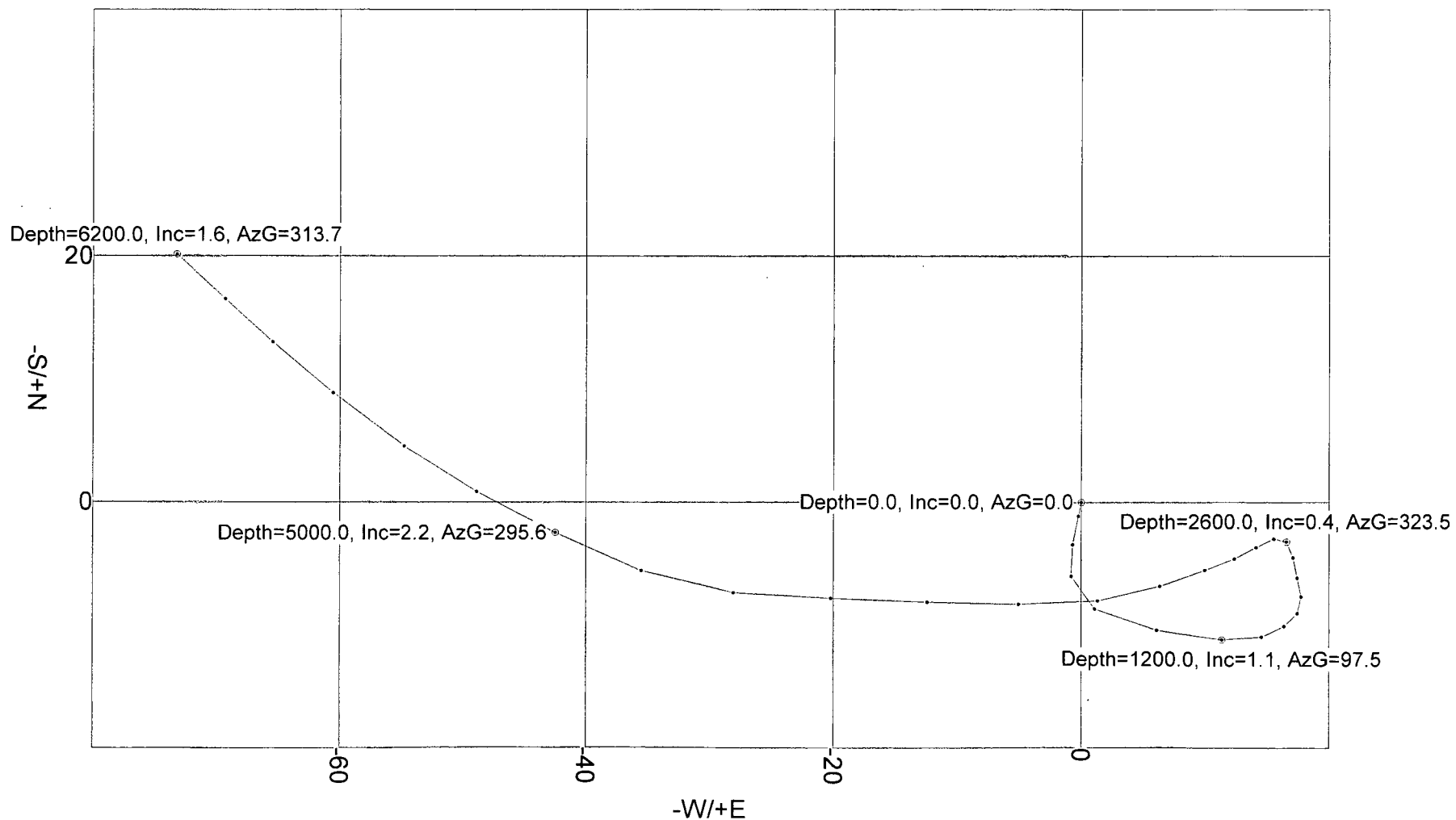
Onyx PWU 29 7H / API 30-015-41380

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	****
200.00	0.66	191.94	200.00	-1.13	-0.24	-0.25	1.15	191.94	0.33
400.00	0.69	190.26	399.98	-3.45	-0.69	-0.72	3.52	191.36	0.02
600.00	0.79	175.92	599.96	-6.02	-0.81	-0.86	6.07	187.66	0.11
800.00	1.25	125.39	799.94	-8.67	1.07	0.99	8.73	172.95	0.48
1000.00	1.88	98.56	999.86	-10.42	6.10	6.00	12.08	149.68	0.47
1200.00	1.14	97.51	1199.79	-11.17	11.31	11.21	15.90	134.65	0.37
1400.00	0.77	68.77	1399.77	-10.95	14.53	14.43	18.19	127.00	0.30
1600.00	0.40	56.14	1599.75	-10.07	16.35	16.26	19.21	121.63	0.19
1800.00	0.47	34.43	1799.75	-9.01	17.39	17.31	19.59	117.39	0.09
2000.00	0.39	349.30	1999.74	-7.66	17.73	17.66	19.31	113.38	0.17
2200.00	0.50	347.00	2199.74	-6.14	17.40	17.35	18.45	109.43	0.05
2400.00	0.46	349.26	2399.73	-4.50	17.06	17.01	17.64	104.77	0.02
2600.00	0.36	323.52	2599.73	-3.20	16.53	16.50	16.84	100.95	0.10
2800.00	0.40	247.18	2799.72	-2.96	15.51	15.48	15.79	100.81	0.24
3000.00	0.51	241.35	2999.72	-3.66	14.08	14.05	14.55	104.56	0.06
3200.00	0.64	242.65	3199.71	-4.60	12.32	12.27	13.15	110.47	0.07
3400.00	0.82	253.62	3399.69	-5.52	9.94	9.89	11.37	119.02	0.12
3600.00	1.38	248.07	3599.65	-6.82	6.33	6.27	9.31	137.11	0.28

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
3800.00	1.61	263.93	3799.59	-8.01	1.32	1.24	8.12	170.68	0.24
4000.00	2.07	269.84	3999.48	-8.32	-5.08	-5.16	9.75	211.43	0.25
4200.00	2.16	272.71	4199.35	-8.15	-12.46	-12.53	14.89	236.80	0.07
4400.00	2.28	271.97	4399.20	-7.84	-20.21	-20.28	21.67	248.81	0.06
4600.00	2.25	274.72	4599.04	-7.38	-28.11	-28.18	29.06	255.30	0.06
4800.00	2.17	292.62	4798.89	-5.59	-35.53	-35.58	35.97	261.05	0.35
5000.00	2.18	295.58	4998.75	-2.50	-42.45	-42.48	42.53	266.64	0.06
5200.00	1.96	299.88	5198.62	0.85	-48.84	-48.83	48.85	270.99	0.13
5400.00	2.02	304.41	5398.50	4.54	-54.72	-54.67	54.91	274.75	0.09
5600.00	2.16	308.33	5598.36	8.88	-60.58	-60.50	61.23	278.33	0.10
5800.00	1.52	312.42	5798.26	13.01	-65.50	-65.38	66.78	281.23	0.32
6000.00	1.46	311.78	5998.19	16.50	-69.37	-69.21	71.30	283.38	0.03
6200.00	1.61	313.66	6198.12	20.13	-73.29	-73.11	76.01	285.36	0.08



Vaughn Energy Services
Gardendale, TX
432-563-5444
Surveyor: Dustin Wentzler
Onyx PWU 29 7H / API 30-015-41380



VES Survey Date: 03/14/2014



Directional Survey

District	PERMIAN BASIN	County	EDDY	Field Name	HACKBERRY	Project Group	DELAWARE BASIN	State/Province	NM						
Surface Legal Location	SEC30 T19S R29E	API/UWI	3001541380	Latitude (°)	32° 37' 46.365" N	Longitude (°)	104° 6' 22.13" W	Ground Elev	3,304.00	KB - GL (ft)	26.00	Orig KB Elev (ft)	3,330.00	Tubing Head Elevation (ft)	

Wellbores

Wellbore Name	OH	Parent Wellbore		SAP Well ID	34653	Kick Off Depth (ftKB)		Vertical Section Direction (°)	88.06
Actual Deviation Survey	GYRO / MWD, Proposed? No	Definitive?	Yes	Proposed?	No	Proposed Deviation Survey			

Deviation Survey

Date: 3/14/2014		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	NSTie 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
3/14/2014	200.00	0.66	191.94	200.00	-0.28	-1.13	-0.24	0.33	GYRO	VAUHG.N.ENERGY.SERVICES
3/14/2014	400.00	0.69	190.26	399.98	-0.81	-3.44	-0.69	0.02	GYRO	VAUHG.N.ENERGY.SERVICES
3/14/2014	600.00	0.79	175.92	599.97	-1.01	-6.00	-0.81	0.10	GYRO	VAUHG.N.ENERGY.SERVICES
3/14/2014	800.00	1.25	125.39	799.94	0.78	-8.64	1.07	0.48	GYRO	VAUHG.N.ENERGY.SERVICES
3/14/2014	1,000.00	1.88	98.56	999.86	5.74	-10.39	6.09	0.48	GYRO	VAUHG.N.ENERGY.SERVICES
3/14/2014	1,200.00	1.14	97.51	1,199.79	10.92	-11.14	11.31	0.37	GYRO	VAUHG.N.ENERGY.SERVICES
3/14/2014	1,400.00	0.77	68.77	1,399.77	14.16	-10.91	14.53	0.30	GYRO	VAUHG.N.ENERGY.SERVICES
3/14/2014	1,600.00	0.40	56.14	1,599.75	16.02	-10.04	16.37	0.19	GYRO	VAUHG.N.ENERGY.SERVICES
3/14/2014	1,800.00	0.47	34.43	1,799.75	17.10	-8.97	17.41	0.09	GYRO	VAUHG.N.ENERGY.SERVICES
3/14/2014	2,000.00	0.39	349.30	1,999.74	17.48	-7.62	17.75	0.17	GYRO	VAUHG.N.ENERGY.SERVICES
3/14/2014	2,200.00	0.50	347.00	2,199.74	17.21	-6.11	17.42	0.06	GYRO	VAUHG.N.ENERGY.SERVICES
3/14/2014	2,400.00	0.46	349.26	2,399.73	16.92	-4.47	17.08	0.02	GYRO	VAUHG.N.ENERGY.SERVICES
3/14/2014	2,600.00	0.36	323.52	2,599.73	16.44	-3.17	16.56	0.10	GYRO	VAUHG.N.ENERGY.SERVICES
3/14/2014	2,800.00	0.40	247.18	2,799.72	15.43	-2.94	15.54	0.24	GYRO	VAUHG.N.ENERGY.SERVICES
3/14/2014	3,000.00	0.51	241.35	2,999.72	13.98	-3.64	14.11	0.06	GYRO	VAUHG.N.ENERGY.SERVICES
3/14/2014	3,200.00	0.64	242.65	3,199.71	12.18	-4.58	12.34	0.07	GYRO	VAUHG.N.ENERGY.SERVICES
3/14/2014	3,400.00	0.82	253.62	3,399.69	9.78	-5.49	9.97	0.11	GYRO	VAUHG.N.ENERGY.SERVICES
3/14/2014	3,600.00	1.38	248.07	3,599.65	6.13	-6.80	6.37	0.28	GYRO	VAUHG.N.ENERGY.SERVICES
3/14/2014	3,800.00	1.61	263.93	3,799.59	1.07	-7.99	1.34	0.24	GYRO	VAUHG.N.ENERGY.SERVICES
3/14/2014	4,000.00	2.07	269.84	3,999.48	-5.34	-8.30	-5.07	0.25	GYRO	VAUHG.N.ENERGY.SERVICES
3/14/2014	4,200.00	2.16	272.71	4,199.35	-12.71	-8.13	-12.44	0.07	GYRO	VAUHG.N.ENERGY.SERVICES
3/14/2014	4,400.00	2.28	271.97	4,399.20	-20.44	-7.82	-20.18	0.06	GYRO	VAUHG.N.ENERGY.SERVICES
3/14/2014	4,600.00	2.25	274.72	4,599.04	-28.31	-7.36	-28.07	0.06	GYRO	VAUHG.N.ENERGY.SERVICES
3/14/2014	4,800.00	2.17	292.62	4,798.89	-35.65	-5.58	-35.48	0.35	GYRO	VAUHG.N.ENERGY.SERVICES
3/14/2014	5,000.00	2.18	295.58	4,998.75	-42.47	-2.48	-42.41	0.06	GYRO	VAUHG.N.ENERGY.SERVICES
3/14/2014	5,200.00	1.96	299.88	5,198.62	-48.75	0.87	-48.80	0.13	GYRO	VAUHG.N.ENERGY.SERVICES
3/14/2014	5,400.00	2.02	304.41	5,398.50	-54.49	4.56	-54.68	0.08	GYRO	VAUHG.N.ENERGY.SERVICES
3/14/2014	5,600.00	2.16	308.33	5,598.36	-60.21	8.89	-60.54	0.10	GYRO	VAUHG.N.ENERGY.SERVICES
3/14/2014	5,800.00	1.52	312.42	5,798.26	-64.98	13.02	-65.46	0.33	GYRO	VAUHG.N.ENERGY.SERVICES
3/14/2014	6,000.00	1.46	311.78	5,998.19	-68.72	16.51	-69.31	0.03	GYRO	VAUHG.N.ENERGY.SERVICES
3/14/2014	6,200.00	1.61	313.66	6,198.12	-72.52	20.14	-73.25	0.08	GYRO	VAUHG.N.ENERGY.SERVICES
3/15/2014	6,335.00	1.10	3.70	6,333.09	-73.72	22.75	-74.54	0.92	MWD	LEAM DRILLING SYSTEMS
3/15/2014	6,366.00	3.70	83.00	6,364.06	-72.70	23.17	-73.52	11.80	MWD	LEAM DRILLING SYSTEMS
3/15/2014	6,397.00	8.10	89.10	6,394.89	-69.52	23.32	-70.34	14.32	MWD	LEAM DRILLING SYSTEMS
3/15/2014	6,429.00	12.70	89.50	6,426.36	-63.74	23.39	-64.57	14.38	MWD	LEAM DRILLING SYSTEMS
3/15/2014	6,460.00	17.00	88.40	6,456.31	-55.80	23.54	-56.63	13.90	MWD	LEAM DRILLING SYSTEMS
3/15/2014	6,492.00	19.60	87.20	6,486.69	-45.75	23.94	-46.59	8.21	MWD	LEAM DRILLING SYSTEMS
3/15/2014	6,523.00	22.10	84.90	6,515.66	-34.73	24.71	-35.59	8.48	MWD	LEAM DRILLING SYSTEMS
3/15/2014	6,554.00	25.60	83.50	6,544.01	-22.23	25.99	-23.12	11.44	MWD	LEAM DRILLING SYSTEMS
3/15/2014	6,586.00	29.00	83.10	6,572.44	-7.60	27.70	-8.55	10.64	MWD	LEAM DRILLING SYSTEMS
3/15/2014	6,617.00	31.80	84.20	6,599.18	8.04	29.43	7.04	9.21	MWD	LEAM DRILLING SYSTEMS
3/15/2014	6,648.00	34.10	85.20	6,625.19	24.87	30.98	23.83	7.62	MWD	LEAM DRILLING SYSTEMS
3/15/2014	6,680.00	36.80	86.50	6,651.26	43.41	32.32	42.34	8.76	MWD	LEAM DRILLING SYSTEMS
3/15/2014	6,711.00	39.70	88.20	6,675.60	62.60	33.20	61.51	9.95	MWD	LEAM DRILLING SYSTEMS
3/15/2014	6,742.00	42.60	87.50	6,698.94	82.99	33.97	81.89	9.47	MWD	LEAM DRILLING SYSTEMS
3/15/2014	6,774.00	45.70	85.80	6,721.90	105.27	35.28	104.14	10.37	MWD	LEAM DRILLING SYSTEMS
3/15/2014	6,805.00	49.50	84.50	6,742.80	128.13	37.22	126.94	12.64	MWD	LEAM DRILLING SYSTEMS



ONYX PWU 29-7H

WEST UNRESTRICTED

Directional Survey

District PERMIAN BASIN	County EDDY	Field Name HACKBERRY	Project Group DELAWARE BASIN	State/Province NM
Surface Legal Location SEC30 T19S R29E	API/UWI 3001541380	Latitude (°) 32° 37' 46.365" N	Longitude (°) 104° 6' 22.13" W	Ground Elev... 3,304.00
			KB - GL (ft) 26.00	Orig KB Elev (ft) 3,330.00
				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
3/15/2014	6,837.00	53.80	84.20	6,762.65	153.17	39.69	151.91	13.46	MWD	LEAM DRILLING SYSTEMS
3/15/2014	6,868.00	58.20	84.70	6,779.98	178.81	42.17	177.48	14.26	MWD	LEAM DRILLING SYSTEMS
3/15/2014	6,900.00	62.20	86.10	6,795.88	206.54	44.39	205.15	13.06	MWD	LEAM DRILLING SYSTEMS
3/15/2014	6,931.00	66.70	87.30	6,809.25	234.49	46.00	233.07	14.93	MWD	LEAM DRILLING SYSTEMS
3/15/2014	6,962.00	70.50	87.90	6,820.56	263.35	47.20	261.90	12.39	MWD	LEAM DRILLING SYSTEMS
3/15/2014	6,994.00	73.10	88.40	6,830.55	293.75	48.19	292.28	8.26	MWD	LEAM DRILLING SYSTEMS
3/15/2014	7,025.00	74.70	88.80	6,839.15	323.53	48.91	322.06	5.31	MWD	LEAM DRILLING SYSTEMS
3/15/2014	7,057.00	78.00	88.20	6,846.70	354.62	49.73	353.14	10.47	MWD	LEAM DRILLING SYSTEMS
3/15/2014	7,088.00	81.50	87.20	6,852.21	385.12	50.95	383.61	11.73	MWD	LEAM DRILLING SYSTEMS
3/15/2014	7,103.00	83.70	87.20	6,854.14	399.99	51.68	398.47	14.67	MWD	LEAM DRILLING SYSTEMS
3/16/2014	7,129.00	86.40	86.50	6,856.39	425.88	53.10	424.33	10.73	MWD	LEAM DRILLING SYSTEMS
3/17/2014	7,160.00	89.60	86.10	6,857.47	456.85	55.10	455.24	10.40	MWD	LEAM DRILLING SYSTEMS
3/17/2014	7,191.00	90.00	85.60	6,857.58	487.82	57.35	486.16	2.07	MWD	LEAM DRILLING SYSTEMS
3/17/2014	7,286.00	88.80	84.50	6,858.57	582.68	65.54	580.80	1.71	MWD	LEAM DRILLING SYSTEMS
3/17/2014	7,381.00	88.00	84.00	6,861.22	677.44	75.06	675.28	0.99	MWD	LEAM DRILLING SYSTEMS
3/17/2014	7,476.00	88.00	83.10	6,864.54	772.08	85.72	769.62	0.95	MWD	LEAM DRILLING SYSTEMS
3/17/2014	7,570.00	87.80	83.30	6,867.98	865.68	96.84	862.90	0.30	MWD	LEAM DRILLING SYSTEMS
3/17/2014	7,665.00	91.10	84.20	6,868.90	960.40	107.18	957.32	3.60	MWD	LEAM DRILLING SYSTEMS
3/17/2014	7,759.00	91.50	84.00	6,866.76	1,054.15	116.84	1,050.79	0.48	MWD	LEAM DRILLING SYSTEMS
3/17/2014	7,854.00	89.30	87.30	6,866.10	1,149.04	124.05	1,145.50	4.17	MWD	LEAM DRILLING SYSTEMS
3/17/2014	7,948.00	88.30	86.50	6,868.07	1,243.00	129.13	1,239.34	1.36	MWD	LEAM DRILLING SYSTEMS
3/17/2014	8,043.00	89.60	87.50	6,869.81	1,337.96	134.10	1,334.19	1.73	MWD	LEAM DRILLING SYSTEMS
3/17/2014	8,137.00	89.30	87.70	6,870.71	1,431.96	138.04	1,428.10	0.38	MWD	LEAM DRILLING SYSTEMS
3/17/2014	8,231.00	89.10	88.00	6,872.02	1,525.95	141.56	1,522.03	0.38	MWD	LEAM DRILLING SYSTEMS
3/17/2014	8,326.00	88.30	88.80	6,874.18	1,620.92	144.21	1,616.96	1.19	MWD	LEAM DRILLING SYSTEMS
3/17/2014	8,420.00	87.90	88.90	6,877.30	1,714.86	146.10	1,710.89	0.44	MWD	LEAM DRILLING SYSTEMS
3/18/2014	8,515.00	87.80	89.80	6,880.86	1,809.77	147.18	1,805.82	0.95	MWD	LEAM DRILLING SYSTEMS
3/18/2014	8,609.00	88.00	90.90	6,884.31	1,903.63	146.60	1,899.75	1.19	MWD	LEAM DRILLING SYSTEMS
3/18/2014	8,704.00	86.80	90.30	6,888.61	1,998.43	145.61	1,994.65	1.41	MWD	LEAM DRILLING SYSTEMS
3/18/2014	8,798.00	86.40	91.20	6,894.19	2,092.16	144.38	2,088.47	1.05	MWD	LEAM DRILLING SYSTEMS
3/18/2014	8,892.00	84.80	89.60	6,901.40	2,185.80	143.73	2,182.19	2.40	MWD	LEAM DRILLING SYSTEMS
3/18/2014	8,987.00	84.80	90.50	6,910.01	2,280.35	143.64	2,276.80	0.94	MWD	LEAM DRILLING SYSTEMS
3/18/2014	9,081.00	84.90	91.40	6,918.45	2,373.85	142.09	2,370.40	0.96	MWD	LEAM DRILLING SYSTEMS
3/18/2014	9,175.00	84.90	92.30	6,926.81	2,467.28	139.07	2,463.98	0.95	MWD	LEAM DRILLING SYSTEMS
3/18/2014	9,269.00	84.80	91.70	6,935.24	2,560.67	135.80	2,557.54	0.64	MWD	LEAM DRILLING SYSTEMS
3/18/2014	9,363.00	84.10	90.70	6,944.33	2,654.09	133.84	2,651.08	1.29	MWD	LEAM DRILLING SYSTEMS
3/18/2014	9,458.00	84.90	89.80	6,953.44	2,748.58	133.43	2,745.64	1.26	MWD	LEAM DRILLING SYSTEMS
3/18/2014	9,552.00	85.50	88.90	6,961.31	2,842.23	134.49	2,839.30	1.15	MWD	LEAM DRILLING SYSTEMS
3/19/2014	9,647.00	86.60	87.70	6,967.85	2,937.00	137.30	2,934.03	1.71	MWD	LEAM DRILLING SYSTEMS
3/20/2014	9,741.00	87.30	87.20	6,972.85	3,030.86	141.48	3,027.81	0.91	MWD	LEAM DRILLING SYSTEMS
3/20/2014	9,835.00	88.30	88.40	6,976.46	3,124.79	145.09	3,121.66	1.66	MWD	LEAM DRILLING SYSTEMS
3/20/2014	9,929.00	87.90	89.30	6,979.58	3,218.72	146.97	3,215.59	1.05	MWD	LEAM DRILLING SYSTEMS
3/20/2014	10,024.00	88.00	89.50	6,982.98	3,313.64	147.97	3,310.53	0.24	MWD	LEAM DRILLING SYSTEMS
3/20/2014	10,118.00	87.10	89.80	6,986.99	3,407.51	148.54	3,404.44	1.01	MWD	LEAM DRILLING SYSTEMS
3/20/2014	10,213.00	87.70	91.10	6,991.30	3,502.33	147.79	3,499.33	1.51	MWD	LEAM DRILLING SYSTEMS
3/20/2014	10,307.00	87.50	91.60	6,995.24	3,596.09	145.58	3,593.23	0.57	MWD	LEAM DRILLING SYSTEMS
3/20/2014	10,401.00	87.10	91.60	6,999.67	3,689.81	142.96	3,687.08	0.43	MWD	LEAM DRILLING SYSTEMS
3/20/2014	10,495.00	85.80	90.30	7,005.49	3,783.51	141.40	3,780.89	1.95	MWD	LEAM DRILLING SYSTEMS
3/20/2014	10,589.00	85.90	89.30	7,012.29	3,877.22	141.73	3,874.64	1.07	MWD	LEAM DRILLING SYSTEMS
3/20/2014	10,684.00	87.40	87.90	7,017.84	3,972.04	144.05	3,969.44	2.16	MWD	LEAM DRILLING SYSTEMS
3/20/2014	10,779.00	88.60	88.20	7,021.16	4,066.98	147.28	4,064.33	1.30	MWD	LEAM DRILLING SYSTEMS
3/20/2014	10,873.00	89.60	87.70	7,022.63	4,160.97	150.64	4,158.26	1.19	MWD	LEAM DRILLING SYSTEMS
3/20/2014	10,968.00	88.60	88.40	7,024.13	4,255.96	153.87	4,253.19	1.28	MWD	LEAM DRILLING SYSTEMS
3/20/2014	11,062.00	90.20	88.60	7,025.11	4,349.95	156.33	4,347.15	1.72	MWD	LEAM DRILLING SYSTEMS
3/20/2014	11,157.00	90.00	88.90	7,024.95	4,444.94	158.41	4,442.12	0.38	MWD	LEAM DRILLING SYSTEMS



Directional Survey

District	County	Field Name	Project Group	State/Province			
PERMIAN BASIN	EDDY	HACKBERRY	DELAWARE BASIN	NM			
Surface Legal Location	API/UWI	Latitude (°)	Longitude (°)	Ground Elev...	KB - GL (ft)	Orig KB Elev (ft)	Tubing Head Elevation (ft)
SEC30 T19S R29E	3001541380	32° 37' 46.365" N	104° 6' 22.13" W	3,304.00	26.00	3,330.00	

Survey Data

Date	MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	VS (ft)	N/S (ft)	E/W (ft)	DLS (°/100ft)	Survey Tool	Survey Company
3/20/2014	11,251.00	87.60	89.10	7,026.91	4,538.90	160.05	4,536.08	2.56	MWD	LEAM DRILLING SYSTEMS
3/20/2014	11,346.00	88.50	89.10	7,030.15	4,633.83	161.54	4,631.01	0.95	MWD	LEAM DRILLING SYSTEMS
3/20/2014	11,440.00	88.80	90.00	7,032.36	4,727.77	162.28	4,724.98	1.01	MWD	LEAM DRILLING SYSTEMS
3/20/2014	11,534.00	88.70	90.30	7,034.41	4,821.68	162.03	4,818.96	0.34	MWD	LEAM DRILLING SYSTEMS
3/20/2014	11,628.00	89.60	90.50	7,035.81	4,915.59	161.37	4,912.95	0.98	MWD	LEAM DRILLING SYSTEMS
3/20/2014	11,723.00	88.90	91.20	7,037.05	5,010.47	159.96	5,007.93	1.04	MWD	LEAM DRILLING SYSTEMS
3/20/2014	11,845.00	88.90	91.20	7,039.39	5,132.27	157.41	5,129.88	0.00	BIT	LEAM DRILLING SYSTEMS