

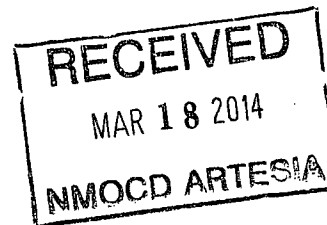
A GYRO TECHNOLOGIES INC. COMPANY

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

15-41240

February 5, 2014

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



Attn: David Cook

Re: **Lone Ranger 33 State No. 002H**

Please find enclosed a copy of the survey from 0.00' to 9190.00' 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

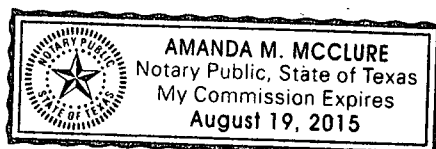
STATE OF TEXAS §

§

COUNTY OF NUECES §

This instrument was acknowledged before me on the 5 day of February, A.D., 2014, by Keith Havelka.

Amanda McClure
Notary Public, State of Texas





Company: Devon Energy
 Lease/Well: Lone Ranger 33 State/No. 002H
 Location: S33 T23s R27e
 Rig Name: Cactus 126
 State/County: New Mexico/Eddy
 Latitude: 32.26, Longitude: -104.19
 GRID North is 0.08 Degrees East of True North
 VS-Azi: 0.00 Degrees



RKB : 25 Feet

DRILLOG HA GYRO SURVEY CALCULATIONS

Filename: ...r 33 state #2h gyro survey.ut

Minimum Curvature Method

Report Date/Time: 2/5/2014 / 13:57

Vaughn Energy Services

Gardendale, TX

(432) 563-5444

Surveyor: Dustin Wedel

Lone Ranger 33 State No. 002H / API 30-015-41240

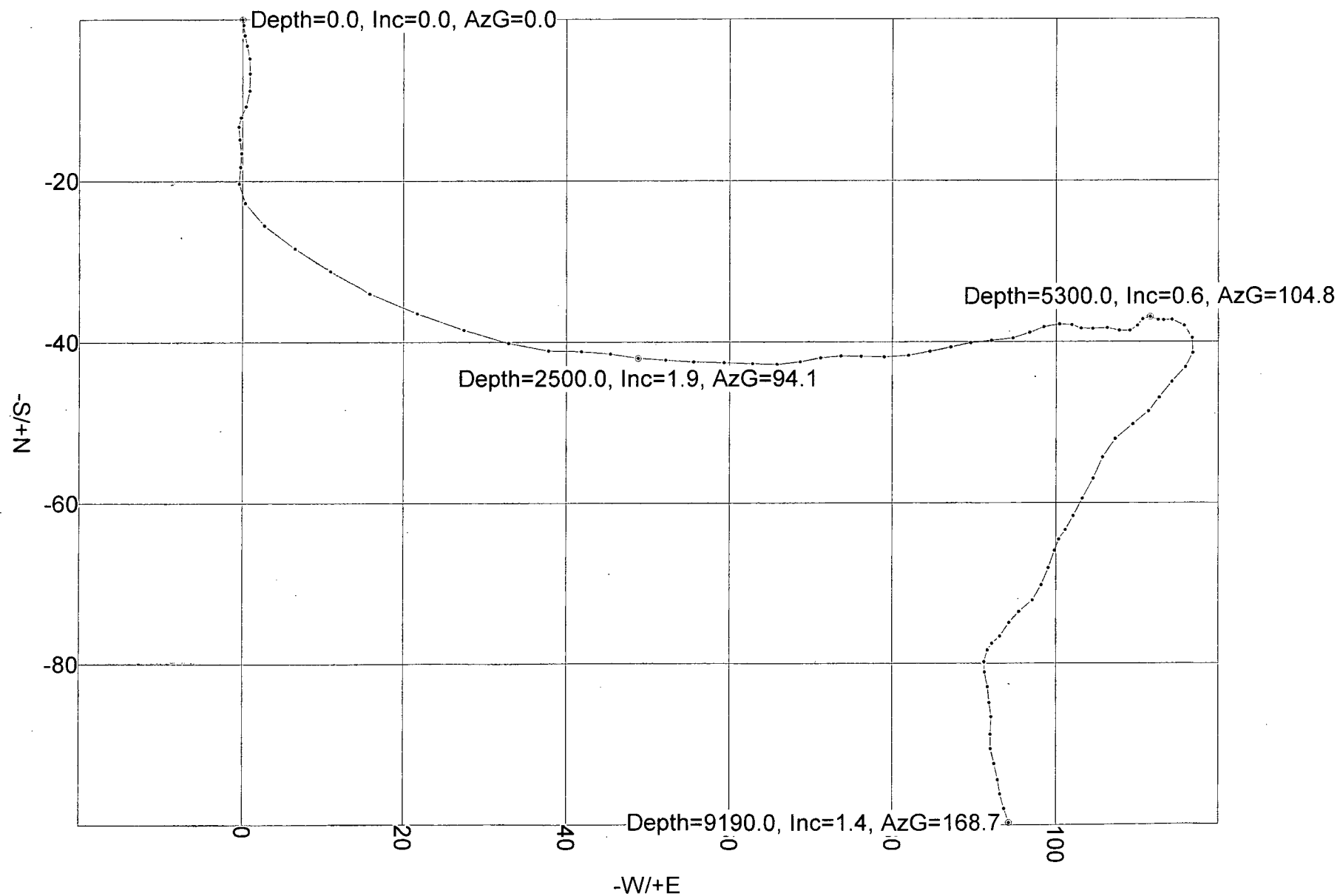
Measured Depth FT	Incl Angle Deg	Drift Direction Deg	TVD FT	+N/-S FT	+E/-W FT	Vertical Section FT	Closure Distance FT	Closure Direction Deg	Dogleg Severity Deg/100
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	****
100.00	0.83	169.15	100.00	-0.71	0.14	-0.71	0.72	169.15	0.83
200.00	0.64	177.59	199.99	-1.98	0.30	-1.98	2.00	171.51	0.21
300.00	0.86	160.19	299.98	-3.25	0.57	-3.25	3.30	169.99	0.31
400.00	1.03	175.30	399.97	-4.85	0.90	-4.85	4.93	169.48	0.30
500.00	1.11	180.49	499.95	-6.72	0.97	-6.72	6.79	171.81	0.12
600.00	1.32	182.12	599.93	-8.84	0.92	-8.84	8.89	174.08	0.21
700.00	1.03	207.68	699.91	-10.79	0.45	-10.79	10.80	177.59	0.59
800.00	0.69	201.54	799.89	-12.15	-0.19	-12.15	12.15	180.88	0.35
900.00	0.68	183.91	899.89	-13.31	-0.45	-13.31	13.32	181.93	0.21
1000.00	1.13	170.42	999.87	-14.88	-0.33	-14.88	14.88	181.25	0.50
1100.00	0.84	177.37	1099.86	-16.59	-0.13	-16.59	16.59	180.44	0.32
1200.00	1.11	188.27	1199.84	-18.28	-0.23	-18.28	18.28	180.73	0.33
1300.00	1.25	181.60	1299.82	-20.33	-0.40	-20.33	20.34	181.14	0.20
1400.00	1.77	149.50	1399.79	-22.75	0.35	-22.75	22.76	179.12	0.97
1500.00	2.50	132.28	1499.72	-25.55	2.75	-25.55	25.70	173.87	0.97
1600.00	2.99	122.21	1599.61	-28.41	6.57	-28.41	29.16	166.99	0.68
1700.00	2.99	123.44	1699.47	-31.23	10.94	-31.23	33.09	160.69	0.06

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
1800.00	3.54	115.56	1799.31	-34.00	15.91	-34.00	37.54	154.93	0.71
1900.00	3.66	110.77	1899.11	-36.46	21.67	-36.46	42.42	149.27	0.32
2000.00	3.30	108.32	1998.93	-38.50	27.39	-38.50	47.25	144.57	0.39
2100.00	3.30	104.92	2098.76	-40.14	32.90	-40.14	51.90	140.67	0.20
2200.00	2.45	95.52	2198.64	-41.09	37.80	-41.09	55.84	137.39	0.97
2300.00	2.16	86.84	2298.56	-41.19	41.81	-41.19	58.69	134.57	0.45
2400.00	2.01	103.08	2398.49	-41.49	45.40	-41.49	61.50	132.42	0.61
2500.00	1.94	94.11	2498.43	-42.00	48.79	-42.00	64.38	130.72	0.32
2600.00	1.94	94.26	2598.37	-42.25	52.17	-42.25	67.13	129.00	0.01
2700.00	1.97	93.35	2698.32	-42.48	55.58	-42.48	69.95	127.39	0.04
2800.00	2.32	89.95	2798.25	-42.58	59.31	-42.58	73.01	125.67	0.37
2900.00	1.74	94.78	2898.18	-42.70	62.84	-42.70	75.98	124.20	0.60
3000.00	1.70	89.17	2998.14	-42.81	65.84	-42.81	78.53	123.03	0.17
3100.00	1.55	77.95	3098.10	-42.50	68.64	-42.50	80.73	121.77	0.35
3200.00	1.44	79.10	3198.06	-41.98	71.19	-41.98	82.65	120.53	0.11
3300.00	1.47	90.77	3298.03	-41.76	73.71	-41.76	84.72	119.54	0.30
3400.00	1.35	91.24	3398.00	-41.81	76.17	-41.81	86.89	118.76	0.12
3500.00	1.90	91.58	3497.96	-41.88	79.01	-41.88	89.42	117.92	0.55
3600.00	1.51	79.69	3597.92	-41.69	81.96	-41.69	91.96	116.96	0.53
3700.00	1.50	79.00	3697.88	-41.20	84.55	-41.20	94.05	115.98	0.02
3800.00	1.46	77.71	3797.85	-40.68	87.08	-40.68	96.11	115.04	0.06
3900.00	1.42	78.14	3897.82	-40.16	89.53	-40.16	98.13	114.16	0.04
4000.00	1.59	87.80	3997.78	-39.85	92.13	-39.85	100.38	113.39	0.31
4100.00	1.41	79.63	4097.75	-39.57	94.73	-39.57	102.66	112.67	0.28
4200.00	1.08	60.09	4197.72	-38.88	96.76	-38.88	104.28	111.89	0.53
4300.00	1.08	76.73	4297.71	-38.19	98.49	-38.19	105.64	111.20	0.31
4400.00	1.15	81.47	4397.69	-37.83	100.41	-37.83	107.30	110.64	0.12
4500.00	0.69	114.74	4497.68	-37.93	101.96	-37.93	108.78	110.41	0.69
4600.00	0.70	107.12	4597.67	-38.36	103.09	-38.36	109.99	110.41	0.09
4700.00	1.00	80.00	4697.66	-38.39	104.53	-38.39	111.35	110.17	0.49
4800.00	1.05	93.38	4797.64	-38.29	106.30	-38.29	112.99	109.81	0.24
4900.00	0.73	114.62	4897.63	-38.61	107.79	-38.61	114.50	109.71	0.45
5000.00	0.86	71.81	4997.62	-38.64	109.09	-38.64	115.73	109.51	0.60
5100.00	0.52	32.99	5097.61	-38.02	110.05	-38.02	116.44	109.06	0.56
5200.00	0.66	43.88	5197.61	-37.23	110.70	-37.23	116.79	108.59	0.18
5300.00	0.58	104.83	5297.60	-36.94	111.59	-36.94	117.54	108.32	0.63
5400.00	0.60	115.95	5397.60	-37.30	112.55	-37.30	118.57	108.34	0.12
5500.00	0.34	44.49	5497.60	-37.32	113.23	-37.32	119.22	108.24	0.59

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
5600.00	0.95	102.20	5597.59	-37.28	114.25	-37.28	120.18	108.07	0.82
5700.00	1.03	129.77	5697.58	-38.03	115.75	-38.03	121.84	108.19	0.48
5800.00	1.14	161.84	5797.56	-39.55	116.75	-39.55	123.26	108.71	0.61
5900.00	1.10	193.95	5897.54	-41.43	116.83	-41.43	123.95	109.52	0.62
6000.00	1.22	220.65	5997.52	-43.16	115.90	-43.16	123.68	110.43	0.55
6100.00	1.63	223.54	6097.49	-45.00	114.23	-45.00	122.78	111.50	0.42
6200.00	1.23	210.95	6197.46	-46.94	112.71	-46.94	122.09	112.61	0.51
6300.00	1.24	223.34	6297.44	-48.65	111.41	-48.65	121.57	113.59	0.27
6400.00	1.63	235.62	6397.40	-50.24	109.49	-50.24	120.47	114.65	0.49
6500.00	1.64	224.42	6497.36	-52.07	107.32	-52.07	119.28	115.88	0.32
6600.00	1.58	203.91	6597.33	-54.35	105.76	-54.35	118.91	117.20	0.58
6700.00	1.69	203.98	6697.28	-56.96	104.60	-56.96	119.10	118.57	0.11
6800.00	1.57	212.68	6797.24	-59.46	103.26	-59.46	119.15	119.94	0.27
6900.00	1.23	201.69	6897.21	-61.62	102.12	-61.62	119.27	121.11	0.44
7000.00	1.06	216.65	6997.19	-63.35	101.17	-63.35	119.37	122.05	0.34
7100.00	0.59	213.01	7097.18	-64.52	100.34	-64.52	119.30	122.74	0.47
7200.00	1.16	192.34	7197.17	-65.95	99.84	-65.95	119.66	123.45	0.65
7300.00	1.48	205.44	7297.15	-68.10	99.07	-68.10	120.22	124.51	0.43
7400.00	1.16	198.40	7397.12	-70.23	98.20	-70.23	120.73	125.57	0.36
7500.00	1.37	218.68	7497.09	-72.12	97.13	-72.12	120.98	126.59	0.49
7600.00	1.16	240.22	7597.07	-73.55	95.51	-73.55	120.55	127.60	0.52
7700.00	1.08	202.45	7697.05	-74.92	94.28	-74.92	120.42	128.47	0.73
7800.00	1.25	222.01	7797.03	-76.60	93.19	-76.60	120.63	129.42	0.43
7900.00	0.32	250.59	7897.02	-77.51	92.20	-77.51	120.45	130.05	0.99
8000.00	0.91	201.06	7997.02	-78.34	91.65	-78.34	120.57	130.52	0.75
8100.00	0.80	191.51	8097.01	-79.76	91.23	-79.76	121.18	131.16	0.18
8200.00	0.76	160.31	8197.00	-81.07	91.32	-81.07	122.11	131.60	0.42
8300.00	1.39	173.46	8296.98	-82.89	91.68	-82.89	123.60	132.12	0.67
8400.00	0.87	175.54	8396.96	-84.85	91.87	-84.85	125.06	132.73	0.52
8500.00	1.18	169.33	8496.94	-86.62	92.12	-86.62	126.45	133.24	0.32
8600.00	1.35	193.80	8596.92	-88.78	92.03	-88.78	127.87	133.97	0.56
8700.00	0.80	155.95	8696.90	-90.56	92.04	-90.56	129.12	134.54	0.87
8800.00	1.43	172.04	8796.88	-92.43	92.49	-92.43	130.76	134.98	0.70
8900.00	0.90	161.29	8896.86	-94.41	92.92	-94.41	132.46	135.46	0.58
9000.00	1.18	177.59	8996.85	-96.17	93.21	-96.17	133.93	135.90	0.40
9100.00	1.00	151.11	9096.83	-97.97	93.68	-97.97	135.55	136.28	0.53
9190.00	1.39	168.69	9186.81	-99.73	94.27	-99.73	137.23	136.61	0.59



Vaughn Energy Services
Gardendale, TX
(432) 563-5444
Surveyor: Dustin Wedel
Lone Ranger 33 State No. 002H / API 30-015-41240



VES Survey Date: 01/13/2014



LONE RANGER 33 STATE 2H

WEST UNRESTRICTED

Directional Survey

District	County	Field Name		Project Group		State/Province	
PERMIAN BASIN	EDDY	BLACK RIVER NORTH		DELAWARE BASIN		NM	
Surface Legal Location	API/UWI	Latitude (°)	Longitude (°)	Ground Elev...	KB - GL (ft)	Orig KB Elev (ft)	Tubing Head Elevation (ft)
SEC33 T23S R27E	3001541240	32° 15' 33.007" N	104° 11' 12.467" W	3,192.70	25.00	3,217.70	

Wellbores

Wellbore Name	Parent Wellbore	Kick Off Depth (ftKB)	Vertical Section Direction (°)
OH			270.78
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

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 ST01			Parent Wellbore OH			Kick Off Depth (ftKB) 6,939.0			Vertical Section Direction (°) 270.78	
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 ST02			Parent Wellbore ST01			Kick Off Depth (ftKB) 7,015.0			Vertical Section Direction (°) 270.78	
Actual Deviation Survey Actual ST02, Proposed? No				Definitive? No		Proposed? No		Proposed Deviation Survey		

Deviation Survey

Date		Description			
1/19/2014		Actual ST02			
MD Tie In (ftKB)	TVD Tie In (ftKB)	Inclination Tie In (°)	Azimuth Tie In (°)	NSTie In (ft)	EW Tie In (ft)
7,015.00	7,011.53	11.30	273.40	-63.67	91.89

Survey Data

Date	MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	VS (ft)	N/S (ft)	E/W (ft)	DLS (°/100ft)	Survey Tool	Survey Company
1/20/2014	6,952.00	4.60	220.60	7,011.53	-92.75	-63.67	91.89		MWD	LEAM DRILLING SYSTEMS
1/20/2014	6,984.00	8.20	270.20	7,043.35	-89.64	-64.64	88.77	19.62	MWD	LEAM DRILLING SYSTEMS
1/20/2014	7,015.00	11.30	273.40	7,073.90	-84.40	-64.45	83.53	10.15	MWD	LEAM DRILLING SYSTEMS
1/20/2014	7,046.00	11.20	288.90	7,104.31	-78.50	-63.29	77.64	9.73	MWD	LEAM DRILLING SYSTEMS
1/20/2014	7,077.00	16.20	289.70	7,134.42	-71.54	-60.86	70.72	16.14	MWD	LEAM DRILLING SYSTEMS
1/20/2014	7,109.00	20.90	290.60	7,164.74	-61.94	-57.34	61.17	14.71	MWD	LEAM DRILLING SYSTEMS
1/20/2014	7,140.00	25.20	291.00	7,193.26	-50.54	-53.03	49.83	13.88	MWD	LEAM DRILLING SYSTEMS
1/20/2014	7,172.00	28.80	290.60	7,221.77	-36.90	-47.88	36.25	11.26	MWD	LEAM DRILLING SYSTEMS
1/20/2014	7,203.00	32.20	290.30	7,248.48	-22.08	-42.38	21.51	10.98	MWD	LEAM DRILLING SYSTEMS
1/20/2014	7,235.00	35.50	290.60	7,275.05	-5.30	-36.15	4.81	10.33	MWD	LEAM DRILLING SYSTEMS
1/20/2014	7,267.00	39.20	289.00	7,300.48	13.05	-29.59	-13.46	11.95	MWD	LEAM DRILLING SYSTEMS
1/20/2014	7,298.00	43.30	287.40	7,323.79	32.55	-23.22	-32.87	13.66	MWD	LEAM DRILLING SYSTEMS
1/20/2014	7,330.00	47.60	284.60	7,346.23	54.55	-16.96	-54.79	14.81	MWD	LEAM DRILLING SYSTEMS
1/20/2014	7,361.00	50.60	280.20	7,366.53	77.50	-11.95	-77.67	14.44	MWD	LEAM DRILLING SYSTEMS
1/20/2014	7,393.00	54.30	277.20	7,386.03	102.62	-8.13	-102.74	13.74	MWD	LEAM DRILLING SYSTEMS
1/20/2014	7,424.00	59.00	274.80	7,403.07	128.40	-5.44	-128.48	16.48	MWD	LEAM DRILLING SYSTEMS
1/20/2014	7,456.00	63.50	273.20	7,418.46	156.40	-3.49	-156.46	14.73	MWD	LEAM DRILLING SYSTEMS
1/20/2014	7,487.00	67.50	271.40	7,431.32	184.59	-2.36	-184.64	13.94	MWD	LEAM DRILLING SYSTEMS
1/20/2014	7,519.00	70.60	271.30	7,442.76	214.47	-1.66	-214.51	9.69	MWD	LEAM DRILLING SYSTEMS
1/20/2014	7,551.00	74.30	270.70	7,452.40	244.97	-1.13	-245.01	11.70	MWD	LEAM DRILLING SYSTEMS
1/20/2014	7,582.00	77.20	270.70	7,460.03	275.02	-0.76	-275.05	9.35	MWD	LEAM DRILLING SYSTEMS
1/20/2014	7,614.00	79.10	270.70	7,466.60	306.33	-0.38	-306.37	5.94	MWD	LEAM DRILLING SYSTEMS
1/20/2014	7,645.00	80.50	270.40	7,472.09	336.84	-0.09	-336.88	4.62	MWD	LEAM DRILLING SYSTEMS
1/20/2014	7,676.00	83.50	271.10	7,476.41	367.54	0.32	-367.57	9.93	MWD	LEAM DRILLING SYSTEMS
1/20/2014	7,729.00	89.80	271.40	7,479.50	420.42	1.47	-420.44	11.90	MWD	LEAM DRILLING SYSTEMS
1/20/2014	7,761.00	90.10	271.80	7,479.53	452.42	2.36	-452.43	1.56	MWD	LEAM DRILLING SYSTEMS



LONE RANGER 33 STATE 2H

WEST UNRESTRICTED

Directional Survey

District PERMIAN BASIN	County EDDY	Field Name BLACK RIVER NORTH	Project Group DELAWARE BASIN	State/Province NM
Surface Legal Location SEC33 T23S R27E	API/UWI 3001541240	Latitude (°) 32° 15' 33.007" N	Longitude (°) 104° 11' 12.467" W	Ground Elev... 3,192.70
			KB - GL (ft) 25.00	Orig KB Elev (ft) 3,217.70
				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
1/20/2014	7,792.00	90.40	272.30	7,479.40	483.41	3.47	-483.40	1.88	MWD	LEAM DRILLING SYSTEMS
1/20/2014	7,886.00	91.20	272.70	7,478.08	577.35	7.57	-577.31	0.95	MWD	LEAM DRILLING SYSTEMS
1/20/2014	7,981.00	92.10	273.20	7,475.35	672.25	12.46	-672.14	1.08	MWD	LEAM DRILLING SYSTEMS
1/20/2014	8,074.00	92.00	272.30	7,472.02	765.13	16.92	-764.97	0.97	MWD	LEAM DRILLING SYSTEMS
1/20/2014	8,169.00	92.00	272.00	7,468.71	860.05	20.48	-859.85	0.32	MWD	LEAM DRILLING SYSTEMS
1/20/2014	8,264.00	91.50	271.10	7,465.81	954.99	23.05	-954.77	1.08	MWD	LEAM DRILLING SYSTEMS
1/20/2014	8,358.00	91.10	270.00	7,463.67	1,048.96	23.95	-1,048.74	1.24	MWD	LEAM DRILLING SYSTEMS
1/20/2014	8,453.00	91.60	270.40	7,461.43	1,143.93	24.28	-1,143.71	0.67	MWD	LEAM DRILLING SYSTEMS
1/20/2014	8,548.00	92.40	270.40	7,458.12	1,238.87	24.95	-1,238.65	0.84	MWD	LEAM DRILLING SYSTEMS
1/20/2014	8,643.00	93.00	270.90	7,453.64	1,333.77	26.02	-1,333.54	0.82	MWD	LEAM DRILLING SYSTEMS
1/20/2014	8,737.00	93.60	271.40	7,448.23	1,427.61	27.90	-1,427.36	0.83	MWD	LEAM DRILLING SYSTEMS
1/20/2014	8,832.00	91.90	271.39	7,443.67	1,522.49	30.21	-1,522.22	1.79	MWD	LEAM DRILLING SYSTEMS
1/20/2014	8,927.00	90.70	270.60	7,441.52	1,617.46	31.86	-1,617.18	1.51	MWD	LEAM DRILLING SYSTEMS
1/20/2014	9,020.00	90.30	270.20	7,440.71	1,710.46	32.51	-1,710.17	0.61	MWD	LEAM DRILLING SYSTEMS
1/20/2014	9,114.00	90.60	270.70	7,439.97	1,804.45	33.25	-1,804.17	0.62	MWD	LEAM DRILLING SYSTEMS
1/20/2014	9,210.00	90.90	271.30	7,438.71	1,900.44	34.93	-1,900.14	0.70	MWD	LEAM DRILLING SYSTEMS
1/20/2014	9,304.00	90.20	270.40	7,437.81	1,994.44	36.32	-1,994.13	1.21	MWD	LEAM DRILLING SYSTEMS
1/20/2014	9,399.00	90.70	270.20	7,437.06	2,089.43	36.82	-2,089.12	0.57	MWD	LEAM DRILLING SYSTEMS
1/20/2014	9,494.00	91.10	271.40	7,435.57	2,184.41	38.14	-2,184.10	1.33	MWD	LEAM DRILLING SYSTEMS
1/20/2014	9,589.00	91.40	272.00	7,433.50	2,279.38	40.96	-2,279.03	0.71	MWD	LEAM DRILLING SYSTEMS
1/20/2014	9,684.00	91.30	270.70	7,431.26	2,374.35	43.20	-2,373.98	1.37	MWD	LEAM DRILLING SYSTEMS
1/20/2014	9,779.00	92.10	271.10	7,428.44	2,469.30	44.69	-2,468.92	0.94	MWD	LEAM DRILLING SYSTEMS
1/20/2014	9,874.00	93.20	271.10	7,424.05	2,564.20	46.51	-2,563.80	1.16	MWD	LEAM DRILLING SYSTEMS
1/20/2014	9,969.00	92.00	270.70	7,419.74	2,659.10	48.00	-2,658.69	1.33	MWD	LEAM DRILLING SYSTEMS
1/20/2014	10,064.00	92.20	271.10	7,416.26	2,754.03	49.49	-2,753.62	0.47	MWD	LEAM DRILLING SYSTEMS
1/20/2014	10,159.00	92.00	271.60	7,412.78	2,848.97	51.73	-2,848.53	0.57	MWD	LEAM DRILLING SYSTEMS
1/20/2014	10,252.00	91.90	272.20	7,409.61	2,941.89	54.81	-2,941.42	0.65	MWD	LEAM DRILLING SYSTEMS
1/20/2014	10,347.00	91.60	270.90	7,406.71	3,036.84	57.38	-3,036.34	1.40	MWD	LEAM DRILLING SYSTEMS
1/20/2014	10,536.00	92.00	269.00	7,400.78	3,225.72	57.22	-3,225.24	1.03	MWD	LEAM DRILLING SYSTEMS
1/20/2014	10,724.00	93.30	267.90	7,392.08	3,413.35	52.14	-3,412.96	0.91	MWD	LEAM DRILLING SYSTEMS
1/20/2014	10,819.00	93.80	268.30	7,386.20	3,508.07	48.99	-3,507.73	0.67	MWD	LEAM DRILLING SYSTEMS
1/20/2014	10,913.00	94.40	268.60	7,379.48	3,601.75	46.46	-3,601.45	0.71	MWD	LEAM DRILLING SYSTEMS
1/20/2014	11,008.00	92.50	268.80	7,373.76	3,696.51	44.31	-3,696.25	2.01	MWD	LEAM DRILLING SYSTEMS
1/20/2014	11,102.00	91.50	269.70	7,370.48	3,790.42	43.08	-3,790.18	1.43	MWD	LEAM DRILLING SYSTEMS
1/20/2014	11,197.00	89.80	270.00	7,369.41	3,885.39	42.83	-3,885.17	1.82	MWD	LEAM DRILLING SYSTEMS
1/20/2014	11,292.00	90.40	270.00	7,369.24	3,980.38	42.83	-3,980.17	0.63	MWD	LEAM DRILLING SYSTEMS
1/20/2014	11,387.00	90.70	270.20	7,368.33	4,075.37	42.99	-4,075.17	0.38	MWD	LEAM DRILLING SYSTEMS
1/20/2014	11,576.00	91.50	270.90	7,364.70	4,264.33	44.81	-4,264.12	0.56	MWD	LEAM DRILLING SYSTEMS
1/20/2014	11,670.00	91.70	271.30	7,362.08	4,358.30	46.61	-4,358.07	0.48	MWD	LEAM DRILLING SYSTEMS
1/20/2014	11,765.00	91.60	271.10	7,359.34	4,453.25	48.60	-4,453.01	0.24	MWD	LEAM DRILLING SYSTEMS
1/20/2014	11,860.00	91.50	271.30	7,356.77	4,548.22	50.59	-4,547.95	0.24	MWD	LEAM DRILLING SYSTEMS
1/20/2014	11,954.00	91.60	271.40	7,354.23	4,642.18	52.80	-4,641.89	0.15	MWD	LEAM DRILLING SYSTEMS
1/20/2014	12,049.00	91.80	271.60	7,351.41	4,737.13	55.29	-4,736.81	0.30	MWD	LEAM DRILLING SYSTEMS
1/20/2014	12,143.00	92.20	272.20	7,348.13	4,831.05	58.40	-4,830.71	0.77	MWD	LEAM DRILLING SYSTEMS
1/20/2014	12,152.00	92.20	272.30	7,347.78	4,840.04	58.76	-4,839.69	1.11	MWD	LEAM DRILLING SYSTEMS
1/20/2014	12,219.00	92.20	272.30	7,345.21	4,906.97	61.44	-4,906.59	0.00	BIT	LEAM DRILLING SYSTEMS