

Results of Directional Survey

API number:	30-025-40046		
OGRID:		Operator:	DEVON ENERGY PRODUCTION COMPANY, LP
		Property:	TRIONYX 6 FEDERAL # 6H

surface	ULSTR:	O	06	T	25S	R	32E
				200	FSL	2260	FEL

BH Loc	ULSTR:	B	06	T	25S	R	32E
12902	MD	8209.9	TVD	272	FNL	1717	FEL
				5008	FSL		

Top Perf/OH	ULSTR:	O	06	T	25S	R	32E
8475	MD	8213.0	TVD	587	FSL	1879	FEL

Bot Perf/OH	ULSTR:	B	06	T	25S	R	32E
12832	MD	8210.3	TVD	343	FNL	1718	FEL
				4937	FSL		

	MD	N/S	E/W	VD
	8464	376.36	381.01	8211.18
TOP PERFS/OH	8475	387.21	381.05	8212.98
	8496	407.93	381.12	8216.43
	12737	4643.17	540.19	8210.66
BOT PERFS/OH	12832	4737.25	541.85	8210.33
	12842	4747.15	542.02	8210.29

NEXT TO LAST	12842	4747.15	542.02	8210.29
LAST READING	12902	4808.14	543.28	8209.87
TD	12902	4808.14	543.28	8209.87

Surface Location	200	FS	2260	FE
Projected BHL	5008	FS	1717	FE
Location of				
Top Perfs/OH	587	FS	1879	FE
Bottom Perfs/OH	4937	FS	1718	FE

SUMMARY of Subsurface Locations

Surface Location	O-06-25S-32E	200	FS	2260	FE	Vert. Depth
Top Perfs/OH	O-06-25S-32E	587	FS	1879	FE	8212.98
Bottom Perfs/OH	B-06-25S-32E	4937	FS	1718	FE	8210.33
Projected TD	B-06-25S-32E	5008	FS	1717	FE	8209.87

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TRIONYX 6 FED 6H

WEST UNRESTRICTED

Directional Survey

District DELAWARE BASIN	County LEA	Field Name PADUCA	Project Group DELAWARE BASIN REG	State/Province NM
Surface Legal Location SEC 6 T25S R32E	API/UWI 3002540046	Latitude (°) 32° 9' 9.561" N	Longitude (°) 103° 42' 47.141" W	Ground Elev... 3,440.60
			KB - GL (ft) 28.00	Orig KB Elev (ft) 3,468.60
				Tubing Head Elevation (ft)

Wellbores

Wellbore Name OH	Parent Wellbore OH	Kick Off Depth (ftKB) 7,200.0	Vertical Section Direction (°) 6.47
Actual Deviation Survey MWD, Proposed? No	Definitive? No	Proposed? No	Proposed Deviation Survey

Deviation Survey

Date 9/20/2013		Description MWD			
MD Tie In (ftKB)	TVD Tie In (ftKB)	Inclination Tie In (°)	Azimuth Tie In (°)	NSTie In (ft)	EWtie 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
9/20/2013	207.00	1.80	179.00	206.97	-3.22	-3.25	0.06	0.87	MS	NOV
9/20/2013	534.00	2.10	199.00	533.78	-14.16	-14.05	-1.80	0.23	MS	NOV
9/20/2013	759.00	2.40	192.00	758.61	-22.88	-22.56	-4.13	0.18	MS	NOV
9/20/2013	801.00	2.70	188.00	800.57	-24.74	-24.40	-4.45	0.83	MWD	LEAM DRILLING SYSTEMS
9/20/2013	1,016.00	3.60	150.20	1,015.26	-35.25	-35.27	-1.80	1.03	MWD	LEAM DRILLING SYSTEMS
9/20/2013	1,231.00	5.00	119.70	1,229.68	-44.39	-45.77	9.70	1.22	MWD	LEAM DRILLING SYSTEMS
9/20/2013	1,413.00	4.80	107.30	1,411.02	-48.95	-51.97	23.86	0.59	MWD	LEAM DRILLING SYSTEMS
9/20/2013	1,605.00	4.50	94.20	1,602.39	-50.16	-54.91	39.04	0.57	MWD	LEAM DRILLING SYSTEMS
9/23/2013	1,795.00	4.70	89.40	1,791.78	-48.90	-55.37	54.26	0.23	MWD	LEAM DRILLING SYSTEMS
9/23/2013	1,985.00	4.30	92.90	1,981.19	-47.50	-55.65	69.16	0.26	MWD	LEAM DRILLING SYSTEMS
9/23/2013	2,175.00	4.40	97.90	2,170.65	-47.24	-57.01	83.49	0.21	MWD	LEAM DRILLING SYSTEMS
9/23/2013	2,365.00	4.50	90.50	2,360.07	-46.65	-58.08	98.16	0.31	MWD	LEAM DRILLING SYSTEMS
9/23/2013	2,554.00	4.50	94.30	2,548.49	-45.60	-58.70	112.97	0.16	MWD	LEAM DRILLING SYSTEMS
9/24/2013	2,744.00	4.80	106.10	2,737.87	-46.64	-61.46	128.04	0.53	MWD	LEAM DRILLING SYSTEMS
9/24/2013	2,934.00	4.70	103.80	2,927.22	-48.97	-65.52	143.24	0.11	MWD	LEAM DRILLING SYSTEMS
9/24/2013	3,124.00	3.70	106.50	3,116.71	-51.03	-69.12	156.67	0.54	MWD	LEAM DRILLING SYSTEMS
9/24/2013	3,314.00	4.20	95.00	3,306.26	-51.92	-71.47	169.48	0.49	MWD	LEAM DRILLING SYSTEMS
9/24/2013	3,505.00	4.40	87.30	3,496.72	-50.57	-71.73	183.77	0.32	MWD	LEAM DRILLING SYSTEMS
9/24/2013	3,694.00	3.00	91.30	3,685.32	-48.97	-71.50	195.96	0.75	MWD	LEAM DRILLING SYSTEMS
9/24/2013	3,883.00	1.70	92.10	3,874.16	-48.31	-71.72	203.70	0.69	MWD	LEAM DRILLING SYSTEMS
9/25/2013	4,074.00	2.00	116.10	4,065.06	-49.21	-73.29	209.53	0.43	MWD	LEAM DRILLING SYSTEMS
9/25/2013	4,264.00	3.50	138.30	4,254.84	-54.19	-79.08	216.36	0.95	MWD	LEAM DRILLING SYSTEMS
9/25/2013	4,571.00	2.80	128.40	4,561.38	-64.41	-90.73	228.47	0.29	MWD	LEAM DRILLING SYSTEMS
9/27/2013	4,760.00	3.10	123.50	4,750.13	-69.17	-96.42	236.35	0.21	MWD	LEAM DRILLING SYSTEMS
9/28/2013	4,949.00	3.00	122.60	4,938.86	-73.67	-101.91	244.78	0.06	MWD	LEAM DRILLING SYSTEMS
9/28/2013	5,140.00	4.40	99.80	5,129.47	-76.30	-105.85	256.21	1.05	MWD	LEAM DRILLING SYSTEMS
9/28/2013	5,330.00	4.80	92.80	5,318.86	-76.22	-107.48	271.34	0.36	MWD	LEAM DRILLING SYSTEMS
9/28/2013	5,520.00	4.00	99.60	5,508.30	-76.07	-108.97	285.81	0.50	MWD	LEAM DRILLING SYSTEMS
9/28/2013	5,709.00	3.90	102.60	5,696.85	-77.12	-111.47	298.58	0.12	MWD	LEAM DRILLING SYSTEMS
9/28/2013	5,899.00	4.20	103.10	5,886.38	-78.61	-114.46	311.66	0.16	MWD	LEAM DRILLING SYSTEMS
9/28/2013	6,089.00	3.80	109.60	6,075.91	-80.84	-118.15	324.37	0.32	MWD	LEAM DRILLING SYSTEMS
9/28/2013	6,278.00	3.30	110.20	6,264.55	-83.56	-122.13	335.38	0.27	MWD	LEAM DRILLING SYSTEMS
9/28/2013	6,469.00	3.20	117.00	6,455.24	-86.73	-126.44	345.29	0.21	MWD	LEAM DRILLING SYSTEMS
9/28/2013	6,659.00	3.40	116.10	6,644.93	-90.48	-131.33	355.07	0.11	MWD	LEAM DRILLING SYSTEMS
9/28/2013	6,848.00	3.30	116.80	6,833.60	-94.26	-136.25	364.96	0.06	MWD	LEAM DRILLING SYSTEMS
9/28/2013	7,039.00	2.90	114.90	7,024.33	-97.69	-140.76	374.25	0.22	MWD	LEAM DRILLING SYSTEMS
9/28/2013	7,229.00	2.60	110.00	7,214.11	-100.22	-144.26	382.66	0.20	MWD	LEAM DRILLING SYSTEMS
9/28/2013	7,419.00	2.30	103.10	7,403.93	-101.67	-146.60	390.42	0.22	MWD	LEAM DRILLING SYSTEMS
9/28/2013	7,610.00	2.30	20.50	7,594.82	-98.39	-143.87	395.50	1.59	MWD	LEAM DRILLING SYSTEMS
9/29/2013	7,672.00	3.20	13.50	7,656.75	-95.47	-141.03	396.34	1.55	MWD	LEAM DRILLING SYSTEMS
9/29/2013	7,702.00	4.20	5.20	7,686.69	-93.54	-139.12	396.63	3.77	MWD	LEAM DRILLING SYSTEMS
9/29/2013	7,736.00	5.90	7.70	7,720.56	-90.55	-136.15	396.98	5.04	MWD	LEAM DRILLING SYSTEMS
9/29/2013	7,767.00	7.90	7.70	7,751.33	-86.82	-132.46	397.48	6.45	MWD	LEAM DRILLING SYSTEMS
9/29/2013	7,799.00	9.40	8.90	7,782.96	-82.01	-127.69	398.18	4.72	MWD	LEAM DRILLING SYSTEMS
9/29/2013	7,830.00	11.10	11.70	7,813.47	-76.51	-122.27	399.17	5.71	MWD	LEAM DRILLING SYSTEMS
9/29/2013	7,861.00	12.80	15.20	7,843.80	-70.15	-116.03	400.68	5.96	MWD	LEAM DRILLING SYSTEMS
9/29/2013	7,893.00	14.40	19.60	7,874.90	-62.77	-108.86	402.94	5.95	MWD	LEAM DRILLING SYSTEMS



Directional Survey

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Surface Legal Location SEC 6 T25S R32E	API/UWI 3002540046	Latitude (°) 32° 9' 9.561" N	Longitude (°) 103° 42' 47.141" W	Ground Elev... 3,440.60
			KB - GL (ft) 28.00	Orig KB Elev (ft) 3,468.60
				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
9/29/2013	7,925.00	16.20	20.70	7,905.76	-54.56	-100.94	405.86	5.70	MWD	LEAM DRILLING SYSTEMS
9/29/2013	7,956.00	17.90	19.60	7,935.40	-45.73	-92.41	408.98	5.58	MWD	LEAM DRILLING SYSTEMS
9/29/2013	7,991.00	19.50	19.80	7,968.55	-34.81	-81.84	412.77	4.58	MWD	LEAM DRILLING SYSTEMS
9/29/2013	8,022.00	21.80	18.90	7,997.56	-24.15	-71.53	416.39	7.49	MWD	LEAM DRILLING SYSTEMS
9/30/2013	8,053.00	24.70	17.50	8,026.04	-12.17	-59.90	420.20	9.52	MWD	LEAM DRILLING SYSTEMS
9/30/2013	8,085.00	27.40	15.90	8,054.78	1.66	-46.44	424.23	8.72	MWD	LEAM DRILLING SYSTEMS
9/30/2013	8,116.00	30.80	15.10	8,081.87	16.55	-31.91	428.25	11.04	MWD	LEAM DRILLING SYSTEMS
9/30/2013	8,148.00	33.80	14.00	8,108.91	33.47	-15.36	432.54	9.55	MWD	LEAM DRILLING SYSTEMS
9/30/2013	8,180.00	36.70	12.10	8,135.04	51.82	2.63	436.70	9.69	MWD	LEAM DRILLING SYSTEMS
9/30/2013	8,212.00	39.40	11.00	8,160.24	71.46	21.95	440.64	8.70	MWD	LEAM DRILLING SYSTEMS
9/30/2013	8,244.00	42.60	11.40	8,184.39	92.38	42.54	444.72	10.03	MWD	LEAM DRILLING SYSTEMS
9/30/2013	8,276.00	45.40	10.00	8,207.41	114.55	64.38	448.84	9.26	MWD	LEAM DRILLING SYSTEMS
9/30/2013	8,307.00	49.10	9.60	8,228.45	137.27	86.81	452.71	11.97	MWD	LEAM DRILLING SYSTEMS
9/30/2013	8,339.00	52.50	8.60	8,248.67	162.04	111.29	456.63	10.90	MWD	LEAM DRILLING SYSTEMS
9/30/2013	8,371.00	55.60	8.70	8,267.45	187.92	136.90	460.52	9.69	MWD	LEAM DRILLING SYSTEMS
9/30/2013	8,402.00	59.10	9.80	8,284.17	213.99	162.66	464.72	11.68	MWD	LEAM DRILLING SYSTEMS
9/30/2013	8,434.00	61.60	9.80	8,300.00	241.75	190.06	469.46	7.81	MWD	LEAM DRILLING SYSTEMS
9/30/2013	8,465.00	64.50	10.00	8,314.05	269.33	217.28	474.21	9.37	MWD	LEAM DRILLING SYSTEMS
9/30/2013	8,497.00	67.50	10.00	8,327.07	298.50	246.06	479.28	9.38	MWD	LEAM DRILLING SYSTEMS
9/30/2013	8,528.00	71.10	9.80	8,338.02	327.44	274.62	484.27	11.63	MWD	LEAM DRILLING SYSTEMS
9/30/2013	8,560.00	73.70	10.00	8,347.70	357.89	304.67	489.51	8.15	MWD	LEAM DRILLING SYSTEMS
9/30/2013	8,591.00	75.40	10.50	8,355.95	387.70	334.07	494.83	5.70	MWD	LEAM DRILLING SYSTEMS
9/30/2013	8,623.00	77.50	11.20	8,363.45	418.72	364.62	500.69	6.90	MWD	LEAM DRILLING SYSTEMS
9/30/2013	8,655.00	80.00	11.00	8,369.69	450.00	395.42	506.73	7.84	MWD	LEAM DRILLING SYSTEMS
9/30/2013	8,686.00	82.70	10.70	8,374.36	480.55	425.52	512.49	8.76	MWD	LEAM DRILLING SYSTEMS
9/30/2013	8,718.00	84.80	10.30	8,377.84	512.28	456.79	518.29	6.68	MWD	LEAM DRILLING SYSTEMS
9/30/2013	8,749.00	86.40	9.80	8,380.22	543.13	487.22	523.68	5.41	MWD	LEAM DRILLING SYSTEMS
9/30/2013	8,781.00	88.50	7.90	8,381.64	575.07	518.81	528.60	8.85	MWD	LEAM DRILLING SYSTEMS
9/30/2013	8,813.00	89.30	7.50	8,382.26	607.05	550.51	532.89	2.79	MWD	LEAM DRILLING SYSTEMS
9/30/2013	8,845.00	89.50	7.50	8,382.59	639.05	582.24	537.07	0.62	MWD	LEAM DRILLING SYSTEMS
9/30/2013	8,941.00	90.00	4.00	8,383.01	735.02	677.74	546.68	3.68	MWD	LEAM DRILLING SYSTEMS
9/30/2013	9,036.00	90.30	1.50	8,382.76	829.82	772.62	551.24	2.65	MWD	LEAM DRILLING SYSTEMS
9/30/2013	9,090.00	90.30	1.50	8,382.48	883.61	826.60	552.65	0.00	BIT	LEAM DRILLING SYSTEMS

Wellbore Name ST01	Parent Wellbore OH	Kick Off Depth (ftKB) 7,200.0	Vertical Section Direction (°) 6.47
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



Directional Survey

District DELAWARE BASIN	County LEA	Field Name PADUCA	Project Group DELAWARE BASIN REG		State/Province NM		
Surface Legal Location SEC 6 T25S R32E	API/UWI 3002540046	Latitude (°) 32° 9' 9.561" N	Longitude (°) 103° 42' 47.141" W	Ground Elev... 3,440.60	KB - GL (ft) 28.00	Orig KB Elev (ft) 3,468.60	Tubing Head Elevation (ft)

Wellbores

Wellbore Name OH	Parent Wellbore OH	Kick Off Depth (ftKB) 7,200.0	Vertical Section Direction (°) 6.47
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 ST01			Parent Wellbore OH			Kick Off Depth (ftKB) 7,200.0			Vertical Section Direction (°) 6.47	
Actual Deviation Survey				Definitive?		Proposed?		Proposed Deviation Survey		
MWD SURVEY ST01, Proposed? No				Yes		No				

Deviation Survey

Date 10/5/2013		Description MWD SURVEY ST01			
MD Tie In (ftKB) 7,039.00	TVD Tie In (ftKB) 7,024.26	Inclination Tie In (°) 2.90	Azimuth Tie In (°) 114.90	NSTie In (ft) -141.16	EW Tie In (ft) 375.35

Survey Data

Date	MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	VS (ft)	N/S (ft)	E/W (ft)	DLS (°/100ft)	Survey Tool	Survey Company
10/6/2013	7,230.00	1.20	286.60	7,215.20	-99.14	-142.62	377.82	2.14	MWD	LEAM DRILLING SYSTEMS
10/7/2013	7,325.00	5.50	272.80	7,310.01	-99.26	-142.12	372.31	4.57	MWD	LEAM DRILLING SYSTEMS
10/7/2013	7,420.00	4.30	230.90	7,404.69	-102.09	-144.14	365.00	3.87	MWD	LEAM DRILLING SYSTEMS
10/7/2013	7,515.00	4.60	28.20	7,499.59	-101.10	-143.03	364.03	9.19	MWD	LEAM DRILLING SYSTEMS
10/7/2013	7,610.00	6.10	14.40	7,594.18	-92.56	-134.78	367.09	2.07	MWD	LEAM DRILLING SYSTEMS
10/8/2013	7,641.00	8.70	7.90	7,624.92	-88.58	-130.86	367.82	8.80	MWD	LEAM DRILLING SYSTEMS
10/8/2013	7,673.00	12.90	3.80	7,656.34	-82.59	-124.90	368.39	13.33	MWD	LEAM DRILLING SYSTEMS
10/8/2013	7,705.00	15.20	2.60	7,687.39	-74.84	-117.14	368.82	7.24	MWD	LEAM DRILLING SYSTEMS
10/8/2013	7,737.00	17.10	2.40	7,718.12	-65.96	-108.25	369.21	5.94	MWD	LEAM DRILLING SYSTEMS
10/8/2013	7,768.00	19.90	1.00	7,747.52	-56.16	-98.42	369.49	9.14	MWD	LEAM DRILLING SYSTEMS
10/8/2013	7,800.00	22.10	0.10	7,777.39	-44.75	-86.95	369.59	6.95	MWD	LEAM DRILLING SYSTEMS
10/8/2013	7,832.00	22.80	359.80	7,806.96	-32.61	-74.73	369.58	2.22	MWD	LEAM DRILLING SYSTEMS
10/8/2013	7,863.00	24.30	359.10	7,835.38	-20.32	-62.35	369.46	4.92	MWD	LEAM DRILLING SYSTEMS
10/8/2013	7,895.00	26.70	359.40	7,864.26	-6.65	-48.57	369.28	7.51	MWD	LEAM DRILLING SYSTEMS
10/8/2013	7,927.00	28.20	359.40	7,892.66	7.99	-33.82	369.13	4.69	MWD	LEAM DRILLING SYSTEMS
10/8/2013	7,958.00	30.10	359.20	7,919.73	22.97	-18.73	368.94	6.14	MWD	LEAM DRILLING SYSTEMS
10/8/2013	7,990.00	32.80	357.50	7,947.03	39.49	-2.04	368.45	8.88	MWD	LEAM DRILLING SYSTEMS
10/8/2013	8,021.00	34.70	358.00	7,972.80	56.51	15.17	367.78	6.19	MWD	LEAM DRILLING SYSTEMS
10/8/2013	8,052.00	37.80	359.20	7,997.80	74.67	33.49	367.34	10.26	MWD	LEAM DRILLING SYSTEMS
10/8/2013	8,084.00	41.30	0.10	8,022.47	94.90	53.86	367.22	11.08	MWD	LEAM DRILLING SYSTEMS
10/8/2013	8,115.00	45.60	0.30	8,044.97	116.09	75.18	367.30	13.88	MWD	LEAM DRILLING SYSTEMS
10/8/2013	8,147.00	49.20	1.00	8,066.63	139.52	98.73	367.57	11.36	MWD	LEAM DRILLING SYSTEMS
10/8/2013	8,179.00	51.20	1.90	8,087.11	164.01	123.30	368.19	6.61	MWD	LEAM DRILLING SYSTEMS
10/8/2013	8,211.00	53.50	3.30	8,106.66	189.28	148.61	369.35	7.98	MWD	LEAM DRILLING SYSTEMS
10/8/2013	8,243.00	55.90	7.92	8,125.15	215.38	174.58	371.91	13.96	MWD	LEAM DRILLING SYSTEMS
10/8/2013	8,275.00	59.60	3.50	8,142.23	242.43	201.50	374.58	16.43	MWD	LEAM DRILLING SYSTEMS
10/8/2013	8,306.00	62.40	3.30	8,157.26	269.50	228.56	376.19	9.05	MWD	LEAM DRILLING SYSTEMS
10/8/2013	8,338.00	65.10	2.90	8,171.41	298.15	257.22	377.74	8.51	MWD	LEAM DRILLING SYSTEMS
10/8/2013	8,369.00	67.60	2.80	8,183.84	326.48	285.58	379.15	8.07	MWD	LEAM DRILLING SYSTEMS
10/8/2013	8,401.00	71.20	1.50	8,195.10	356.35	315.51	380.27	11.88	MWD	LEAM DRILLING SYSTEMS
10/9/2013	8,432.00	75.20	0.50	8,204.06	385.88	345.17	380.79	13.27	MWD	LEAM DRILLING SYSTEMS
10/9/2013	8,464.00	79.10	0.30	8,211.18	416.90	376.36	381.01	12.20	MWD	LEAM DRILLING SYSTEMS
10/9/2013	8,496.00	82.00	0.10	8,216.43	448.27	407.93	381.12	9.08	MWD	LEAM DRILLING SYSTEMS
10/9/2013	8,561.00	86.90	2.90	8,222.72	512.70	472.57	382.81	8.67	MWD	LEAM DRILLING SYSTEMS
10/9/2013	8,656.00	90.10	5.20	8,225.20	607.56	567.28	389.52	4.15	MWD	LEAM DRILLING SYSTEMS
10/9/2013	8,751.00	90.80	4.70	8,224.46	702.53	661.93	397.72	0.91	MWD	LEAM DRILLING SYSTEMS



Directional Survey

District DELAWARE BASIN	County LEA	Field Name PADUCA	Project Group DELAWARE BASIN REG	State/Province NM
Surface Legal Location SEC 6 T25S R32E	API/UWI 3002540046	Latitude (°) 32° 9' 9.561" N	Longitude (°) 103° 42' 47.141" W	Ground Elev... 3,440.60
			KB - GL (ft) 28.00	Orig KB Elev (ft) 3,468.60
				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
10/9/2013	8,846.00	90.70	2.60	8,223.21	797.40	756.72	403.77	2.21	MWD	LEAM DRILLING SYSTEMS
10/10/2...	8,941.00	89.30	3.10	8,223.21	892.20	851.60	408.49	1.56	MWD	LEAM DRILLING SYSTEMS
10/10/2...	9,035.00	91.10	4.90	8,222.88	986.11	945.36	415.05	2.71	MWD	LEAM DRILLING SYSTEMS
10/10/2...	9,129.00	89.30	4.90	8,222.56	1,080.07	1,039.01	423.07	1.91	MWD	LEAM DRILLING SYSTEMS
10/10/2...	9,224.00	89.50	4.00	8,223.55	1,175.00	1,133.72	430.44	0.97	MWD	LEAM DRILLING SYSTEMS
10/10/2...	9,319.00	89.50	2.70	8,224.38	1,269.86	1,228.55	436.00	1.37	MWD	LEAM DRILLING SYSTEMS
10/10/2...	9,414.00	91.40	2.20	8,223.63	1,364.62	1,323.46	440.06	2.07	MWD	LEAM DRILLING SYSTEMS
10/10/2...	9,509.00	91.90	2.00	8,220.90	1,459.30	1,418.36	443.54	0.57	MWD	LEAM DRILLING SYSTEMS
10/10/2...	9,604.00	91.80	0.80	8,217.83	1,553.88	1,513.28	445.86	1.27	MWD	LEAM DRILLING SYSTEMS
10/10/2...	9,699.00	92.00	1.20	8,214.68	1,648.39	1,608.21	447.51	0.47	MWD	LEAM DRILLING SYSTEMS
10/10/2...	9,794.00	88.80	0.80	8,214.02	1,742.95	1,703.18	449.17	3.39	MWD	LEAM DRILLING SYSTEMS
10/10/2...	9,889.00	90.90	2.40	8,214.27	1,837.59	1,798.13	451.82	2.78	MWD	LEAM DRILLING SYSTEMS
10/10/2...	9,983.00	89.60	1.50	8,213.86	1,931.30	1,892.08	455.02	1.68	MWD	LEAM DRILLING SYSTEMS
10/10/2...	10,078.00	88.50	0.30	8,215.43	2,025.83	1,987.05	456.51	1.71	MWD	LEAM DRILLING SYSTEMS
10/11/2...	10,174.00	89.70	359.80	8,216.94	2,121.22	2,083.03	456.60	1.35	MWD	LEAM DRILLING SYSTEMS
10/11/2...	10,269.00	90.70	359.20	8,216.61	2,215.51	2,178.03	455.77	1.23	MWD	LEAM DRILLING SYSTEMS
10/11/2...	10,363.00	88.70	359.60	8,217.10	2,308.79	2,272.02	454.78	2.17	MWD	LEAM DRILLING SYSTEMS
10/11/2...	10,458.00	87.80	359.80	8,220.00	2,403.08	2,366.97	454.29	0.97	MWD	LEAM DRILLING SYSTEMS
10/11/2...	10,553.00	88.50	0.30	8,223.07	2,497.44	2,461.92	454.37	0.91	MWD	LEAM DRILLING SYSTEMS
10/11/2...	10,648.00	88.50	0.60	8,225.56	2,591.88	2,556.88	455.12	0.32	MWD	LEAM DRILLING SYSTEMS
10/11/2...	10,743.00	88.70	1.20	8,227.88	2,686.41	2,651.84	456.61	0.67	MWD	LEAM DRILLING SYSTEMS
10/11/2...	10,839.00	88.50	1.90	8,230.22	2,782.02	2,747.78	459.20	0.76	MWD	LEAM DRILLING SYSTEMS
10/11/2...	10,934.00	88.10	2.00	8,233.04	2,876.68	2,842.68	462.43	0.43	MWD	LEAM DRILLING SYSTEMS
10/11/2...	11,029.00	90.70	3.30	8,234.04	2,971.46	2,937.56	466.83	3.06	MWD	LEAM DRILLING SYSTEMS
10/11/2...	11,123.00	90.50	3.30	8,233.05	3,065.31	3,031.40	472.24	0.21	MWD	LEAM DRILLING SYSTEMS
10/11/2...	11,218.00	88.50	2.70	8,233.88	3,160.13	3,126.26	477.21	2.20	MWD	LEAM DRILLING SYSTEMS
10/11/2...	11,312.00	90.50	3.80	8,234.70	3,253.97	3,220.10	482.54	2.43	MWD	LEAM DRILLING SYSTEMS
10/11/2...	11,408.00	89.38	4.30	8,234.80	3,349.88	3,315.86	489.32	1.28	MWD	LEAM DRILLING SYSTEMS
10/12/2...	11,504.00	89.60	4.30	8,235.66	3,445.81	3,411.59	496.51	0.23	MWD	LEAM DRILLING SYSTEMS
10/12/2...	11,598.00	91.00	4.20	8,235.16	3,539.73	3,505.33	503.48	1.49	MWD	LEAM DRILLING SYSTEMS
10/13/2...	11,692.00	92.50	4.20	8,232.29	3,633.61	3,599.03	510.36	1.60	MWD	LEAM DRILLING SYSTEMS
10/13/2...	11,787.00	92.10	3.60	8,228.48	3,728.44	3,693.73	516.82	0.76	MWD	LEAM DRILLING SYSTEMS
10/13/2...	11,882.00	91.50	1.70	8,225.50	3,823.18	3,788.58	521.21	2.10	MWD	LEAM DRILLING SYSTEMS
10/13/2...	11,977.00	92.20	0.60	8,222.43	3,917.72	3,883.51	523.11	1.37	MWD	LEAM DRILLING SYSTEMS
10/13/2...	12,072.00	91.40	1.70	8,219.44	4,012.26	3,978.44	525.02	1.43	MWD	LEAM DRILLING SYSTEMS
10/13/2...	12,168.00	90.90	1.70	8,217.52	4,107.91	4,074.38	527.87	0.52	MWD	LEAM DRILLING SYSTEMS
10/13/2...	12,263.00	89.90	1.30	8,216.85	4,202.55	4,169.34	530.35	1.13	MWD	LEAM DRILLING SYSTEMS
10/13/2...	12,358.00	91.30	1.90	8,215.86	4,297.20	4,264.29	533.01	1.60	MWD	LEAM DRILLING SYSTEMS
10/14/2...	12,452.00	90.60	1.70	8,214.30	4,390.87	4,358.23	535.96	0.77	MWD	LEAM DRILLING SYSTEMS
10/14/2...	12,547.00	90.50	0.50	8,213.39	4,485.45	4,453.21	537.78	1.27	MWD	LEAM DRILLING SYSTEMS
10/14/2...	12,641.00	91.40	0.80	8,211.83	4,578.95	4,547.19	538.85	1.01	MWD	LEAM DRILLING SYSTEMS
10/14/2...	12,737.00	90.00	0.80	8,210.66	4,674.47	4,643.17	540.19	1.46	MWD	LEAM DRILLING SYSTEMS
10/14/2...	12,842.00	90.40	1.20	8,210.29	4,778.99	4,748.15	542.02	0.54	MWD	LEAM DRILLING SYSTEMS
10/14/2...	12,902.00	90.40	1.20	8,209.87	4,838.74	4,808.14	543.28	0.00	BIT	LEAM DRILLING SYSTEMS