

		ALDABRA 25 FEDERAL 2H				WEST UNRESTRICTED				
Directional Survey										
District DELAWARE BASIN		County EDDY		Field Name INGLE WELLS		Project Group DELAWARE BASIN REG		State/Province NM		
Surface Legal Location SEC25 T23S R31E		API/UWI 3001538613		Latitude (°) 32° 16' 7.914" N		Longitude (°) 103° 44' 16.294" W		Ground Elev... 3,484.70		
						KB - GL (ft) 28.00		Orig KB Elev (ft) 3,512.70		
								Tubing Head Elevation (ft)		
Wellbores										
Wellbore Name OH		Parent Wellbore OH		Kick Off Depth (ftKB)		Vertical Section Direction (°)				
Actual Deviation Survey GYRO/MWD, Proposed? No				Definitive? Yes		Proposed? No		Proposed Deviation Survey		
Deviation Survey										
Date 6/8/2014		Description GYRO/MWD								
MD Tie In (ftKB)		TVD Tie In (ftKB)		Inclination Tie In (°)		Azimuth Tie In (°)		NSTie In (ft)		
Survey Data										
Date	MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	VS (ft)	NS (ft)	EW (ft)	DLS (ft/100ft)	Survey Tool	Survey Company
6/8/2014	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	GYRO	VAUHG ENERGY SERVICES
6/8/2014	100.00	0.40	131.29	100.00	-0.22	-0.23	0.26	0.40	GYRO	VAUHG ENERGY SERVICES
6/8/2014	200.00	0.66	138.73	199.99	-0.85	-0.89	0.90	0.27	GYRO	VAUHG ENERGY SERVICES
6/8/2014	300.00	0.75	143.73	299.99	-1.78	-1.85	1.67	0.11	GYRO	VAUHG ENERGY SERVICES
6/8/2014	400.00	1.27	142.49	399.97	-3.14	-3.26	2.73	0.52	GYRO	VAUHG ENERGY SERVICES
6/8/2014	500.00	1.35	142.17	499.95	-4.89	-5.07	4.13	0.08	GYRO	VAUHG ENERGY SERVICES
6/8/2014	600.00	1.21	163.23	599.92	-6.78	-7.01	5.16	0.49	GYRO	VAUHG ENERGY SERVICES
6/8/2014	700.00	0.48	181.66	699.91	-8.20	-8.44	5.45	0.77	GYRO	VAUHG ENERGY SERVICES
6/8/2014	800.00	0.56	229.26	799.91	-8.95	-9.18	5.07	0.43	GYRO	VAUHG ENERGY SERVICES
6/8/2014	900.00	1.09	253.33	899.90	-9.60	-9.77	3.79	0.62	GYRO	VAUHG ENERGY SERVICES
6/8/2014	1,000.00	1.46	273.02	999.87	-9.90	-9.98	1.60	0.57	GYRO	VAUHG ENERGY SERVICES
6/8/2014	1,100.00	1.54	281.93	1,099.84	-9.67	-9.63	-0.98	0.25	GYRO	VAUHG ENERGY SERVICES
6/8/2014	1,200.00	1.44	285.70	1,199.80	-9.16	-9.01	-3.51	0.14	GYRO	VAUHG ENERGY SERVICES
6/8/2014	1,300.00	1.21	295.35	1,299.78	-8.46	-8.22	-5.67	0.32	GYRO	VAUHG ENERGY SERVICES
6/8/2014	1,400.00	1.04	283.36	1,399.76	-7.88	-7.56	-7.51	0.29	GYRO	VAUHG ENERGY SERVICES
6/8/2014	1,500.00	0.79	302.18	1,499.74	-7.37	-6.98	-8.98	0.39	GYRO	VAUHG ENERGY SERVICES
6/8/2014	1,600.00	0.94	311.41	1,599.73	-6.51	-6.07	-10.17	0.20	GYRO	VAUHG ENERGY SERVICES
6/8/2014	1,700.00	0.77	298.69	1,699.72	-5.70	-5.21	-11.38	0.25	GYRO	VAUHG ENERGY SERVICES
6/8/2014	1,800.00	0.73	290.44	1,799.71	-5.20	-4.66	-12.57	0.12	GYRO	VAUHG ENERGY SERVICES
6/8/2014	1,900.00	0.59	296.40	1,899.71	-4.80	-4.21	-13.62	0.16	GYRO	VAUHG ENERGY SERVICES
6/8/2014	2,000.00	0.63	336.99	1,999.70	-4.09	-3.48	-14.30	0.42	GYRO	VAUHG ENERGY SERVICES
6/8/2014	2,100.00	0.65	1.31	2,099.70	-3.03	-2.40	-14.50	0.27	GYRO	VAUHG ENERGY SERVICES
6/8/2014	2,200.00	0.71	17.27	2,199.69	-1.87	-1.25	-14.30	0.20	GYRO	VAUHG ENERGY SERVICES
6/8/2014	2,300.00	0.95	20.93	2,299.68	-0.48	0.12	-13.82	0.25	GYRO	VAUHG ENERGY SERVICES
6/8/2014	2,400.00	0.99	16.52	2,399.66	1.14	1.72	-13.28	0.08	GYRO	VAUHG ENERGY SERVICES
6/8/2014	2,500.00	1.06	15.86	2,499.65	2.88	3.44	-12.78	0.07	GYRO	VAUHG ENERGY SERVICES
6/8/2014	2,600.00	0.98	24.52	2,599.63	4.58	5.11	-12.18	0.17	GYRO	VAUHG ENERGY SERVICES
6/8/2014	2,700.00	1.10	19.05	2,699.62	6.29	6.79	-11.51	0.16	GYRO	VAUHG ENERGY SERVICE
6/8/2014	2,800.00	1.11	10.93	2,799.60	8.17	8.65	-11.01	0.16	GYRO	VAUHG ENERGY SERVICE
6/8/2014	2,900.00	1.24	12.47	2,899.58	10.19	10.66	-10.59	0.13	GYRO	VAUHG ENERGY SERVICE
6/8/2014	3,000.00	1.29	13.57	2,999.55	12.36	12.81	-10.10	0.06	GYRO	VAUHG ENERGY SERVICE
6/8/2014	3,100.00	1.44	16.81	3,099.52	14.68	15.11	-9.47	0.17	GYRO	VAUHG ENERGY SERVICE
6/8/2014	3,200.00	1.62	18.12	3,199.49	17.26	17.65	-8.67	0.18	GYRO	VAUHG ENERGY SERVICE
6/8/2014	3,300.00	1.06	15.07	3,299.46	19.53	19.89	-7.99	0.56	GYRO	VAUHG ENERGY SERVICE
6/8/2014	3,400.00	0.64	12.78	3,399.45	20.98	21.33	-7.62	0.42	GYRO	VAUHG ENERGY SERVICE
6/8/2014	3,500.00	0.61	10.16	3,499.44	22.05	22.40	-7.40	0.04	GYRO	VAUHG ENERGY SERVICE
6/8/2014	3,600.00	0.60	15.49	3,599.44	23.09	23.43	-7.17	0.06	GYRO	VAUHG ENERGY SERVICE
6/8/2014	3,700.00	0.46	35.51	3,699.43	23.94	24.26	-6.80	0.23	GYRO	VAUHG ENERGY SERVICE
6/8/2014	3,800.00	0.96	77.15	3,799.43	24.50	24.77	-5.75	0.69	GYRO	VAUHG ENERGY SERVICE
6/8/2014	3,900.00	1.11	123.19	3,899.41	24.22	24.43	-4.12	0.82	GYRO	VAUHG ENERGY SERVICE
6/8/2014	4,000.00	1.00	125.92	3,999.39	23.25	23.38	-2.60	0.12	GYRO	VAUHG ENERGY SERVICE
6/8/2014	4,100.00	1.86	123.68	4,099.36	21.93	21.97	-0.55	0.86	GYRO	VAUHG ENERGY SERVICE
6/8/2014	4,200.00	2.52	127.80	4,199.29	19.82	19.72	2.54	0.68	GYRO	VAUHG ENERGY SERVICE
6/8/2014	4,300.00	2.53	125.54	4,299.19	17.34	17.09	6.08	0.10	GYRO	VAUHG ENERGY SERVICE
6/8/2014	4,400.00	2.37	129.88	4,399.10	14.88	14.49	9.46	0.24	GYRO	VAUHG ENERGY SERVICE
6/8/2014	4,500.00	1.67	136.26	4,499.04	12.62	12.11	12.05	0.73	GYRO	VAUHG ENERGY SERVICE
6/8/2014	4,600.00	1.18	138.70	4,599.01	10.87	10.28	13.74	0.49	GYRO	VAUHG ENERGY SERVICE



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Directional Survey

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Surface Legal Location SEC25 T23S R31E	API/UWI 3001538613	Latitude (°) 32° 16' 7.914" N	Longitude (°) 103° 44' 16.294" W	Ground Elev... 3,484.70
			KB - GL (ft) 28.00	Orig KB Elev (ft) 3,512.70
				Tubing Head Elevation (ft)

Survey Data										
Date	MDI (ftKB)	Ind (°)	Azm (°)	TVD (ftKB)	VS (ft)	N/S (ft)	E/W (ft)	DLS (°/100ft)	Survey Tool	Survey Company
6/8/2014	4,700.00	1.16	137.31	4,698.98	9.41	8.76	15.10	0.03	GYRO	VAUGHN ENERGY SERVICE
6/8/2014	4,800.00	1.26	134.55	4,798.96	7.96	7.25	16.57	0.12	GYRO	VAUGHN ENERGY SERVICE
6/8/2014	4,900.00	1.15	141.21	4,898.94	6.47	5.69	17.99	0.18	GYRO	VAUGHN ENERGY SERVICE
6/8/2014	5,000.00	0.90	146.32	4,998.92	5.08	4.26	19.05	0.27	GYRO	VAUGHN ENERGY SERVICE
6/8/2014	5,100.00	0.95	151.59	5,098.91	3.74	2.88	19.88	0.10	GYRO	VAUGHN ENERGY SERVICE
6/8/2014	5,200.00	0.72	157.08	5,198.90	2.46	1.57	20.52	0.24	GYRO	VAUGHN ENERGY SERVICE
6/8/2014	5,300.00	0.59	168.34	5,298.89	1.39	0.49	20.87	0.18	GYRO	VAUGHN ENERGY SERVICE
6/8/2014	5,400.00	0.69	178.15	5,398.89	0.29	-0.62	20.99	0.15	GYRO	VAUGHN ENERGY SERVICE
6/8/2014	5,500.00	0.61	178.39	5,498.88	-0.84	-1.75	21.03	0.08	GYRO	VAUGHN ENERGY SERVICE
6/8/2014	5,600.00	0.47	182.31	5,598.88	-1.78	-2.70	21.03	0.14	GYRO	VAUGHN ENERGY SERVICE
6/8/2014	5,700.00	0.59	189.74	5,698.87	-2.70	-3.61	20.92	0.14	GYRO	VAUGHN ENERGY SERVICE
6/8/2014	5,800.00	0.56	186.96	5,798.87	-3.70	-4.61	20.78	0.04	GYRO	VAUGHN ENERGY SERVICE
6/8/2014	5,900.00	0.20	190.93	5,898.87	-4.36	-5.26	20.68	0.36	GYRO	VAUGHN ENERGY SERVICE
6/8/2014	6,000.00	0.34	197.16	5,998.86	-4.82	-5.72	20.56	0.14	GYRO	VAUGHN ENERGY SERVICE
6/8/2014	6,100.00	0.43	181.86	6,098.86	-5.48	-6.38	20.46	0.14	GYRO	VAUGHN ENERGY SERVICE
6/8/2014	6,200.00	0.45	184.50	6,198.86	-6.25	-7.14	20.42	0.03	GYRO	VAUGHN ENERGY SERVICE
6/8/2014	6,300.00	0.73	190.24	6,298.85	-7.27	-8.16	20.28	0.29	GYRO	VAUGHN ENERGY SERVICE
6/8/2014	6,400.00	0.58	188.74	6,398.85	-8.41	-9.29	20.09	0.15	GYRO	VAUGHN ENERGY SERVICE
6/8/2014	6,500.00	0.42	196.26	6,498.84	-9.27	-10.14	19.91	0.17	GYRO	VAUGHN ENERGY SERVICE
6/8/2014	6,600.00	0.24	191.47	6,598.84	-9.83	-10.70	19.76	0.18	GYRO	VAUGHN ENERGY SERVICE
6/8/2014	6,700.00	0.39	174.47	6,698.84	-10.37	-11.24	19.75	0.18	GYRO	VAUGHN ENERGY SERVICE
6/8/2014	6,800.00	0.54	173.76	6,798.84	-11.18	-12.05	19.84	0.15	GYRO	VAUGHN ENERGY SERVICE
6/8/2014	6,900.00	0.60	179.54	6,898.83	-12.16	-13.04	19.89	0.08	GYRO	VAUGHN ENERGY SERVICE
6/8/2014	7,000.00	0.72	165.18	6,998.83	-13.29	-14.17	20.06	0.20	GYRO	VAUGHN ENERGY SERVICE
6/8/2014	7,100.00	0.53	162.45	7,098.82	-14.32	-15.22	20.36	0.19	GYRO	VAUGHN ENERGY SERVICE
6/8/2014	7,200.00	0.44	165.26	7,198.82	-15.12	-16.03	20.59	0.09	GYRO	VAUGHN ENERGY SERVICE
6/8/2014	7,300.00	0.46	157.16	7,298.81	-15.85	-16.77	20.85	0.07	GYRO	VAUGHN ENERGY SERVICE
6/8/2014	7,400.00	0.25	150.13	7,398.81	-16.40	-17.33	21.11	0.21	GYRO	VAUGHN ENERGY SERVICE
6/8/2014	7,500.00	0.45	151.28	7,498.81	-16.92	-17.87	21.41	0.20	GYRO	VAUGHN ENERGY SERVICE
6/8/2014	7,600.00	0.83	137.94	7,598.80	-17.77	-18.75	22.08	0.41	GYRO	VAUGHN ENERGY SERVICE...
6/8/2014	7,700.00	0.76	146.14	7,698.79	-18.82	-19.84	22.94	0.13	GYRO	VAUGHN ENERGY SERVICE
6/8/2014	7,800.00	0.85	160.38	7,798.78	-20.04	-21.09	23.56	0.22	GYRO	VAUGHN ENERGY SERVICE
6/8/2014	7,900.00	0.82	164.31	7,898.77	-21.41	-22.47	24.00	0.06	GYRO	VAUGHN ENERGY SERVICE
6/8/2014	8,000.00	0.93	155.55	7,998.76	-22.81	-23.90	24.53	0.17	GYRO	VAUGHN ENERGY SERVICE
6/8/2014	8,100.00	1.08	159.74	8,098.75	-24.41	-25.52	25.19	0.17	GYRO	VAUGHN ENERGY SERVICE
6/8/2014	8,200.00	1.02	167.44	8,198.73	-26.13	-27.28	25.71	0.15	GYRO	VAUGHN ENERGY SERVICE
6/8/2014	8,300.00	0.90	179.19	8,298.71	-27.78	-28.93	25.92	0.23	GYRO	VAUGHN ENERGY SERVICE
6/8/2014	8,400.00	1.20	173.94	8,398.70	-29.60	-30.76	26.04	0.31	GYRO	VAUGHN ENERGY SERVICE
6/8/2014	8,500.00	1.93	180.13	8,498.66	-32.32	-33.48	26.14	0.75	GYRO	VAUGHN ENERGY SERVICE
6/8/2014	8,600.00	3.10	185.68	8,598.56	-36.70	-37.86	25.87	1.19	GYRO	VAUGHN ENERGY SERVICE
6/8/2014	8,700.00	3.48	193.38	8,698.40	-42.38	-43.50	24.90	0.58	GYRO	VAUGHN ENERGY SERVICE
6/8/2014	8,800.00	2.83	198.54	8,798.25	-47.73	-48.79	23.42	0.71	GYRO	VAUGHN ENERGY SERVICE
6/8/2014	8,900.00	1.98	209.49	8,898.16	-51.64	-52.64	21.78	0.96	GYRO	VAUGHN ENERGY SERVICE
6/8/2014	9,000.00	2.23	235.67	8,998.09	-54.35	-55.24	19.32	0.98	GYRO	VAUGHN ENERGY SERVICE
6/8/2014	9,100.00	2.37	257.02	9,098.01	-56.07	-56.80	15.70	0.86	GYRO	VAUGHN ENERGY SERVICE
6/8/2014	9,200.00	2.25	270.28	9,197.93	-56.69	-57.26	11.72	0.55	GYRO	VAUGHN ENERGY SERVICE
6/8/2014	9,300.00	2.19	278.73	9,297.86	-56.56	-56.96	7.87	0.33	GYRO	VAUGHN ENERGY SERVICE
6/8/2014	9,400.00	2.06	278.93	9,397.79	-56.15	-56.39	4.21	0.13	GYRO	VAUGHN ENERGY SERVICE
6/8/2014	9,500.00	1.63	273.02	9,497.74	-55.94	-56.03	1.01	0.47	GYRO	VAUGHN ENERGY SERVICE
6/8/2014	9,600.00	1.45	286.01	9,597.70	-55.63	-55.61	-1.62	0.39	GYRO	VAUGHN ENERGY SERVICE
6/8/2014	9,700.00	1.23	304.90	9,697.67	-54.76	-54.65	-3.72	0.49	GYRO	VAUGHN ENERGY SERVICE
6/8/2014	9,809.00	0.89	335.66	9,806.66	-53.37	-53.21	-5.03	0.60	GYRO	VAUGHN ENERGY SERVICE
6/9/2014	9,945.00	0.70	24.40	9,942.64	-51.66	-51.49	-5.12	0.50	MWD	LEAM DRILLING SYSTEMS
6/9/2014	9,977.00	1.90	14.90	9,974.64	-50.96	-50.80	-4.90	3.80	MWD	LEAM DRILLING SYSTEMS
6/9/2014	10,009.00	5.00	4.70	10,006.57	-49.05	-48.89	-4.65	9.84	MWD	LEAM DRILLING SYSTEMS



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WEST UNRESTRICTED

Directional Survey

District	County	Field Name	Project Group	State/Province
DELAWARE BASIN	EDDY	INGLE WELLS	DELAWARE BASIN REG	NM
Surface Legal Location	API/UWI	Latitude (°)	Longitude (°)	Ground Elev...
SEC25 T23S R31E	3001538613	32° 16' 7.914" N	103° 44' 16.294" W	3,484.70
				KB - GL (ft)
				28.00
				Orig KB Elev (ft)
				3,512.70
				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
6/9/2014	10,040.00	8.90	2.70	10,037.34	-45.30	-45.15	-4.43	12.60	MWD	LEAM DRILLING SYSTEMS
6/9/2014	10,072.00	12.80	3.30	10,068.76	-39.28	-39.14	-4.11	12.19	MWD	LEAM DRILLING SYSTEMS
6/9/2014	10,104.00	17.00	5.20	10,099.68	-31.06	-30.94	-3.48	13.21	MWD	LEAM DRILLING SYSTEMS
6/9/2014	10,135.00	21.00	6.40	10,128.98	-20.98	-20.90	-2.45	12.96	MWD	LEAM DRILLING SYSTEMS
6/9/2014	10,167.00	25.30	5.00	10,158.40	-8.43	-8.38	-1.21	13.55	MWD	LEAM DRILLING SYSTEMS
6/9/2014	10,199.00	29.40	2.70	10,186.82	6.27	6.28	-0.25	13.23	MWD	LEAM DRILLING SYSTEMS
6/9/2014	10,230.00	33.00	0.30	10,213.33	22.32	22.33	0.15	12.28	MWD	LEAM DRILLING SYSTEMS
6/9/2014	10,262.00	37.50	0.30	10,239.46	40.77	40.79	0.25	14.06	MWD	LEAM DRILLING SYSTEMS
6/9/2014	10,293.00	42.00	0.60	10,263.29	60.57	60.61	0.41	14.53	MWD	LEAM DRILLING SYSTEMS
6/9/2014	10,325.00	45.10	0.50	10,286.48	82.60	82.65	0.62	9.69	MWD	LEAM DRILLING SYSTEMS
6/9/2014	10,357.00	48.30	359.70	10,308.42	105.87	105.94	0.66	10.16	MWD	LEAM DRILLING SYSTEMS
6/9/2014	10,388.00	51.40	359.20	10,328.41	129.53	129.63	0.43	10.08	MWD	LEAM DRILLING SYSTEMS
6/9/2014	10,420.00	53.10	359.70	10,348.00	154.79	154.93	0.19	5.45	MWD	LEAM DRILLING SYSTEMS
6/9/2014	10,451.00	54.60	359.20	10,366.28	179.79	179.96	-0.06	5.01	MWD	LEAM DRILLING SYSTEMS
6/9/2014	10,483.00	58.20	359.20	10,383.99	206.39	206.61	-0.43	11.25	MWD	LEAM DRILLING SYSTEMS
6/10/2014	10,515.00	61.30	358.50	10,400.11	233.98	234.24	-0.99	9.87	MWD	LEAM DRILLING SYSTEMS
6/10/2014	10,546.00	64.50	357.10	10,414.23	261.48	261.81	-2.05	11.08	MWD	LEAM DRILLING SYSTEMS
6/10/2014	10,577.00	68.40	356.10	10,426.61	289.74	290.17	-3.74	12.92	MWD	LEAM DRILLING SYSTEMS
6/10/2014	10,609.00	72.10	357.10	10,437.42	319.69	320.23	-5.52	11.93	MWD	LEAM DRILLING SYSTEMS
6/10/2014	10,640.00	76.30	358.30	10,445.86	349.41	350.03	-6.71	14.05	MWD	LEAM DRILLING SYSTEMS
6/10/2014	10,672.00	81.10	359.90	10,452.13	380.72	381.40	-7.20	15.78	MWD	LEAM DRILLING SYSTEMS
6/10/2014	10,703.00	84.80	0.50	10,455.94	411.46	412.16	-7.10	12.09	MWD	LEAM DRILLING SYSTEMS
6/10/2014	10,735.00	87.50	1.70	10,458.08	443.37	444.07	-6.48	9.23	MWD	LEAM DRILLING SYSTEMS
6/11/2014	10,893.00	94.80	6.30	10,454.91	601.14	601.51	4.52	5.46	MWD	LEAM DRILLING SYSTEMS
6/11/2014	10,988.00	92.20	6.30	10,449.11	695.74	695.75	14.92	2.74	MWD	LEAM DRILLING SYSTEMS
6/11/2014	11,083.00	91.20	5.20	10,446.30	790.55	790.23	24.44	1.56	MWD	LEAM DRILLING SYSTEMS
6/11/2014	11,178.00	89.50	3.10	10,445.72	885.49	884.97	31.31	2.84	MWD	LEAM DRILLING SYSTEMS
6/11/2014	11,273.00	89.90	3.30	10,446.21	980.49	979.82	36.61	0.47	MWD	LEAM DRILLING SYSTEMS
6/11/2014	11,368.00	88.70	2.90	10,447.37	1,075.47	1,074.67	41.75	1.33	MWD	LEAM DRILLING SYSTEMS
6/11/2014	11,462.00	89.00	3.40	10,449.26	1,169.45	1,168.51	46.91	0.62	MWD	LEAM DRILLING SYSTEMS
6/11/2014	11,557.00	89.80	3.60	10,450.25	1,264.42	1,263.33	52.71	0.87	MWD	LEAM DRILLING SYSTEMS
6/11/2014	11,651.00	88.40	3.80	10,451.73	1,358.39	1,357.12	58.78	1.50	MWD	LEAM DRILLING SYSTEMS
6/11/2014	11,746.00	88.60	3.60	10,454.22	1,453.34	1,451.89	64.91	0.30	MWD	LEAM DRILLING SYSTEMS
6/11/2014	11,841.00	89.30	4.10	10,455.96	1,548.29	1,546.66	71.29	0.91	MWD	LEAM DRILLING SYSTEMS
6/11/2014	11,936.00	89.90	5.40	10,456.62	1,643.21	1,641.32	79.15	1.51	MWD	LEAM DRILLING SYSTEMS
6/11/2014	12,030.00	88.40	3.10	10,458.02	1,737.15	1,735.05	86.12	2.92	MWD	LEAM DRILLING SYSTEMS
6/12/2014	12,125.00	88.60	3.40	10,460.50	1,832.11	1,829.86	91.50	0.38	MWD	LEAM DRILLING SYSTEMS
6/12/2014	12,220.00	88.90	3.10	10,462.58	1,927.08	1,924.69	96.89	0.45	MWD	LEAM DRILLING SYSTEMS
6/12/2014	12,315.00	89.50	1.50	10,463.90	2,022.06	2,019.60	100.70	1.80	MWD	LEAM DRILLING SYSTEMS
6/12/2014	12,410.00	90.60	2.20	10,463.82	2,117.06	2,114.55	103.76	1.37	MWD	LEAM DRILLING SYSTEMS
6/12/2014	12,505.00	90.00	2.00	10,463.32	2,212.05	2,209.48	107.24	0.67	MWD	LEAM DRILLING SYSTEMS
6/12/2014	12,600.00	91.50	2.20	10,462.08	2,307.04	2,304.40	110.73	1.59	MWD	LEAM DRILLING SYSTEMS
6/13/2014	12,720.00	92.80	3.30	10,457.58	2,426.95	2,424.18	116.48	1.42	MWD	LEAM DRILLING SYSTEMS
6/13/2014	12,814.00	92.30	2.40	10,453.39	2,520.85	2,517.97	121.15	1.09	MWD	LEAM DRILLING SYSTEMS
6/13/2014	12,909.00	92.00	2.00	10,449.83	2,615.78	2,612.83	124.79	0.53	MWD	LEAM DRILLING SYSTEMS
6/13/2014	13,004.00	91.50	1.30	10,446.93	2,710.73	2,707.75	127.53	0.91	MWD	LEAM DRILLING SYSTEMS
6/13/2014	13,098.00	90.70	1.30	10,445.12	2,804.69	2,801.70	129.66	0.85	MWD	LEAM DRILLING SYSTEMS
6/14/2014	13,193.00	89.80	1.30	10,444.71	2,899.67	2,896.68	131.81	0.95	MWD	LEAM DRILLING SYSTEMS
6/14/2014	13,288.00	91.90	1.20	10,443.30	2,994.63	2,991.64	133.89	2.21	MWD	LEAM DRILLING SYSTEMS
6/14/2014	13,382.00	90.20	0.80	10,441.58	3,088.58	3,085.60	135.53	1.86	MWD	LEAM DRILLING SYSTEMS
6/14/2014	13,477.00	90.10	0.50	10,441.33	3,183.53	3,180.60	136.60	0.33	MWD	LEAM DRILLING SYSTEMS
6/14/2014	13,572.00	90.70	0.80	10,440.67	3,278.48	3,275.59	137.68	0.71	MWD	LEAM DRILLING SYSTEMS
6/14/2014	13,667.00	90.00	1.70	10,440.09	3,373.45	3,370.56	139.75	1.20	MWD	LEAM DRILLING SYSTEMS
6/14/2014	13,762.00	90.20	2.20	10,439.92	3,468.45	3,465.51	142.99	0.57	MWD	LEAM DRILLING SYSTEMS
6/14/2014	13,856.00	88.00	3.10	10,441.40	3,562.43	3,559.39	147.33	2.53	MWD	LEAM DRILLING SYSTEMS



ALDABRA 25 FEDERAL 2H

WEST UNRESTRICTED

Directional Survey

District DELAWARE BASIN	County EDDY	Field Name INGLE WELLS	Project Group DELAWARE BASIN REG	State/Province NM
Surface Legal Location SEC25 T23S R31E	API/UWI 3001538613	Latitude (°) 32° 16' 7.914" N	Longitude (°) 103° 44' 16.294" W	Ground Elev... 3,484.70
			KB - GL (ft) 28.00	Orig KB Elev (ft) 3,512.70
				Tubing Head Elevation (ft)

Survey Data										
Date	MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	VS (ft)	N/S (ft)	EW (ft)	DLS (%/100ft)	Survey Tool	Survey Company
6/14/2014	13,951.00	89.90	3.10	10,443.14	3,657.40	3,654.23	152.47	2.00	MWD	LEAM DRILLING SYSTEMS
6/14/2014	14,046.00	89.80	3.30	10,443.39	3,752.40	3,749.08	157.77	0.24	MWD	LEAM DRILLING SYSTEMS
6/14/2014	14,140.00	90.00	2.70	10,443.55	3,846.39	3,842.95	162.69	0.67	MWD	LEAM DRILLING SYSTEMS
6/14/2014	14,235.00	89.20	2.40	10,444.21	3,941.39	3,937.85	166.92	0.90	MWD	LEAM DRILLING SYSTEMS
6/15/2014	14,330.00	90.00	2.00	10,444.88	4,036.38	4,032.78	170.56	0.94	MWD	LEAM DRILLING SYSTEMS
6/15/2014	14,424.00	91.30	2.40	10,443.81	4,130.37	4,126.70	174.17	1.45	MWD	LEAM DRILLING SYSTEMS
6/15/2014	14,519.00	90.10	2.60	10,442.65	4,225.37	4,221.60	178.31	1.28	MWD	LEAM DRILLING SYSTEMS
6/15/2014	14,614.00	89.70	3.10	10,442.82	4,320.36	4,316.49	183.04	0.67	MWD	LEAM DRILLING SYSTEMS
6/15/2014	14,709.00	89.10	2.90	10,443.81	4,415.35	4,411.35	188.01	0.67	MWD	LEAM DRILLING SYSTEMS
6/15/2014	14,804.00	89.90	2.90	10,444.64	4,510.35	4,506.22	192.82	0.84	MWD	LEAM DRILLING SYSTEMS
6/15/2014	14,898.00	91.40	3.30	10,443.57	4,604.33	4,600.08	197.90	1.65	MWD	LEAM DRILLING SYSTEMS
6/15/2014	15,047.00	91.40	3.30	10,439.93	4,753.27	4,748.79	206.47	0.00	BIT	LEAM DRILLING SYSTEMS