

30-025-43057

SURVEY REPORT



Job #: 160033
 Well: LEA SOUTH 25 FED 8H PILOT
 Field: Bone Springs
 County & State: LEA COUNTY, NEW MEXICO

North Type: GRID
 Total Correction: 6.63°
 Target TVD: 12000.00 ft
 Vertical Section Azm: 89.53°

SURVEY DATA

Date	No.	MD	INC	AZM	C.L	TVD	VS	N/-S	E/-W	DLS	BHA
6/29/16	0	0	0.00	0.00	0	0.00	0.00	0.00	0.00	0.00	Surface
6/30/16	1	148	0.33	153.67	148	148.00	0.19	-0.38	0.19	0.22	1
6/30/16	2	330	0.37	161.67	182	330.00	0.59	-1.41	0.61	0.03	1
7/1/16	3	536	0.73	172.22	206	535.99	0.97	-3.34	0.99	0.18	1
7/1/16	4	720	0.44	192.78	184	719.98	0.95	-5.19	1.00	0.19	1
7/1/16	5	904	0.48	224.33	184	903.97	0.25	-6.43	0.30	0.14	1
7/1/16	6	1084	0.68	235.32	180	1083.96	-1.17	-7.58	-1.10	0.13	1
7/1/16	7	1266	1.21	257.12	182	1265.94	-3.94	-8.62	-3.87	0.35	1
7/1/16	8	1448	0.84	229.70	182	1447.91	-6.84	-9.91	-6.76	0.33	1
7/1/16	9	1667	1.25	225.74	219	1666.87	-9.80	-12.62	-9.69	0.19	1
7/2/16	10	1862	1.85	217.65	195	1861.80	-13.27	-16.60	-13.14	0.33	1
7/4/16	11	1989	1.63	225.57	127	1988.74	-15.84	-19.48	-15.68	0.26	2
7/4/16	12	2177	1.10	220.12	188	2176.69	-18.94	-22.73	-18.75	0.29	2
7/4/16	13	2366	0.66	243.69	189	2365.66	-21.10	-24.60	-20.90	0.30	2
7/4/16	14	2554	0.31	224.63	188	2553.66	-22.43	-25.45	-22.22	0.20	2
7/4/16	15	2743	0.29	177.21	189	2742.66	-22.78	-26.29	-22.56	0.13	2
7/4/16	16	2931	0.46	62.76	188	2930.65	-22.08	-26.42	-21.87	0.34	2
7/5/16	17	3120	1.16	66.20	189	3119.63	-19.65	-25.30	-19.44	0.37	2
7/5/16	18	3309	1.41	69.53	189	3308.59	-15.71	-23.71	-15.51	0.14	2
7/5/16	19	3498	1.45	31.49	189	3497.53	-12.26	-20.86	-12.09	0.49	2
7/5/16	20	3687	1.03	42.41	189	3686.49	-9.83	-17.57	-9.69	0.25	2
7/5/16	21	3876	0.66	18.64	189	3875.47	-8.32	-15.28	-8.20	0.27	2
7/5/16	22	4065	0.68	300.00	189	4064.46	-8.93	-13.69	-8.82	0.45	2
7/5/16	23	4253	1.36	49.76	188	4252.44	-8.18	-11.69	-8.08	0.91	2
7/5/16	24	4442	1.76	56.02	189	4441.37	-4.03	-8.62	-3.96	0.23	2
7/5/16	25	4630	1.69	47.68	188	4629.28	0.44	-5.14	0.48	0.14	2
7/5/16	26	4819	1.80	38.82	189	4818.20	4.39	-0.95	4.40	0.15	2
7/5/16	27	5007	1.80	34.23	188	5006.10	7.94	3.79	7.91	0.08	2
7/5/16	28	5196	1.27	356.47	189	5195.04	9.52	8.34	9.45	0.59	2
7/6/16	29	5385	0.90	39.79	189	5384.01	10.37	11.57	10.27	0.46	2
7/6/16	30	5574	0.84	60.33	189	5572.99	12.54	13.39	12.43	0.17	2
7/6/16	31	5687	0.90	82.46	113	5685.97	14.14	13.92	14.03	0.30	2
7/10/16	32	5851	0.86	66.31	164	5849.95	16.55	14.58	16.43	0.15	3
7/10/16	33	6040	0.75	59.28	189	6038.94	18.92	15.79	18.79	0.08	3
7/10/16	34	6229	0.64	60.68	189	6227.92	20.92	16.93	20.78	0.06	3
7/10/16	35	6417	0.68	60.51	188	6415.91	22.81	18.00	22.66	0.02	3
7/10/16	36	6606	0.73	56.02	189	6604.89	24.80	19.22	24.64	0.04	3
7/10/16	37	6795	0.55	54.44	189	6793.88	26.54	20.42	26.38	0.10	3
7/10/16	38	6984	0.59	92.50	189	6982.87	28.26	20.91	28.09	0.20	3
7/10/16	39	7173	0.70	121.68	189	7171.86	30.21	20.26	30.04	0.18	3
7/10/16	40	7361	0.68	170.19	188	7359.85	31.36	18.56	31.21	0.30	3
7/10/16	41	7550	0.94	205.35	189	7548.83	30.87	16.05	30.73	0.29	3
7/10/16	42	7738	1.27	223.98	188	7736.80	28.73	13.16	28.63	0.26	3
7/11/16	43	7927	0.24	215.11	189	7925.78	27.04	11.33	26.95	0.55	3
7/11/16	44	8115	0.26	223.54	188	8113.78	26.51	10.70	26.43	0.02	3
7/11/16	45	8304	0.70	239.36	189	8302.77	25.22	9.80	25.14	0.24	3
7/11/16	46	8399	0.64	84.24	95	8397.77	25.24	9.55	25.17	1.38	3
7/11/16	47	8493	2.55	77.29	94	8491.73	27.81	10.07	27.73	2.04	3
7/11/16	48	8587	3.78	74.22	94	8585.58	32.84	11.37	32.75	1.32	3
7/11/16	49	8681	5.47	83.62	94	8679.27	40.29	12.71	40.18	1.96	3
7/11/16	50	8776	3.69	87.75	95	8773.97	47.85	13.33	47.74	1.90	3
7/11/16	51	8870	3.45	100.23	94	8867.79	53.65	12.95	53.55	0.86	3
7/11/16	52	8965	4.90	99.18	95	8962.53	60.46	11.80	60.36	1.53	3
7/11/16	53	9059	6.15	94.08	94	9056.09	69.44	10.80	69.35	1.43	3
7/12/16	54	9153	7.76	92.32	94	9149.40	80.79	10.18	80.71	1.73	3
7/12/16	55	9248	6.99	85.38	95	9243.61	92.97	10.39	92.88	1.24	3
7/12/16	56	9342	7.01	77.38	94	9336.92	104.28	12.10	104.18	1.04	3
7/12/16	57	9437	5.96	85.20	95	9431.31	114.86	13.78	114.76	1.44	3
7/12/16	58	9531	4.31	76.33	94	9524.93	123.17	15.02	123.05	1.94	3
7/12/16	59	9625	3.71	107.88	94	9618.71	129.50	14.92	129.38	2.40	3
7/12/16	60	9720	4.18	127.04	95	9713.49	135.16	11.90	135.07	1.46	3

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[illegible]